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United States Environmental Protection Agency
Region 9 Laboratory

MAR 2 8 2007

1337 S. 46th Street Building 201
Richmond, CA 94804

Subject: **Analytical Testing Results - Project R07S28**
SDG: 07080B

From: **Brenda Bettencourt, Director** (for)
EPA Region 9 Laboratory
MTS-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 Winter 2007 IDW Profiling** 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 Eugenia McNaughton 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

Mercury	Metals, ICP

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Region 9 Laboratory

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Project Manager: Chris Lichens	**Site Cleanup Section 4**	**SDG:** 07080B	
Project Number: R07S28	**75 Hawthorne Street**	**Reported:** 03/28/07 10:53	
Project: Omega Chemical OU2 Winter 2007 IDW Profiling	**San Francisco CA, 94105**		

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
OC2-HPIDW-W-0-446	0703050-01	Water	03/20/07 13:00	03/21/07 09:40

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Project Number:	R07S28	**75 Hawthorne Street**		**Reported:**	03/28/07 10:53
Project:	Omega Chemical OU2 Winter 2007 IDW Profiling	**San Francisco CA, 94105**			

Sample Results

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 0703050-01								Water - Sampled: 03/20/07 13:00
Sample ID: OC2-HPIDW-W-0-446								Metals by EPA 200 Series Methods
Mercury	**0.017**	**C1, J**	**0.030**	ug/L	B7C0138	03/22/07	03/23/07	245.1/SOP515
Aluminum	**45000**		**100**	"	B7C0126	03/21/07	03/22/07	200.7/SOP505
Antimony	**27**		**20**	"	"	"	"	200.7/SOP505
Arsenic	**230**		**20**	"	"	"	"	200.7/SOP505
Barium	**710**		**10**	"	"	"	"	200.7/SOP505
Beryllium	**2.0**		**1.0**	"	"	"	"	200.7/SOP505
Boron	**150**		**100**	"	"	"	"	200.7/SOP505
Cadmium	**ND**	**U**	**5.0**	"	"	"	"	200.7/SOP505
Calcium	**1300000**		**1000**	"	"	"	03/22/07	200.7/SOP505
Chromium	**220**		**10**	"	"	"	03/22/07	200.7/SOP505
Cobalt	**20**		**10**	"	"	"	"	200.7/SOP505
Copper	**300**		**10**	"	"	"	"	200.7/SOP505
Iron	**65000**		**100**	"	"	"	"	200.7/SOP505
Lead	**160**		**20**	"	"	"	"	200.7/SOP505
Magnesium	**15000**		**500**	"	"	"	"	200.7/SOP505
Manganese	**1200**		**5.0**	"	"	"	"	200.7/SOP505
Molybdenum	**110**		**20**	"	"	"	"	200.7/SOP505
Nickel	**22**		**10**	"	"	"	"	200.7/SOP505
Potassium	**140000**		**2000**	"	"	"	"	200.7/SOP505
Selenium	**ND**	**U**	**20**	"	"	"	"	200.7/SOP505
Silver	**ND**	**U**	**10**	"	"	"	"	200.7/SOP505
Sodium	**87000**		**500**	"	"	"	"	200.7/SOP505
Thallium	**44**		**20**	"	"	"	"	200.7/SOP505
Vanadium	**72**		**10**	"	"	"	"	200.7/SOP505
Zinc	**410**		**10**	"	"	"	"	200.7/SOP505

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Quality Control

Prepared: 03/21/07 Analyzed: 03/22/07
Metals by EPA 200 Series Methods - Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B7C0126 - 200 Series Digest - Metals, ICP										
Blank (B7C0126-BLK1)										
Aluminum	ND	U	100	ug/L						
Antimony	ND	U	20	"						
Arsenic	ND	U	20	"						
Barium	ND	U	10	"						
Beryllium	ND	U	1.0	"						
Boron	ND	U	100	"						
Cadmium	ND	U	5.0	"						
Calcium	ND	U	100	"						
Chromium	ND	U	10	"						
Cobalt	ND	U	10	"						
Copper	ND	U	10	"						
Iron	ND	U	100	"						
Lead	ND	U	20	"						
Magnesium	ND	U	500	"						
Manganese	ND	U	5.0	"						
Molybdenum	ND	U	20	"						
Nickel	ND	U	10	"						
Potassium	ND	U	2000	"						
Selenium	ND	U	20	"						
Silver	ND	U	10	"						
Sodium	ND	U	500	"						
Thallium	ND	U	20	"						
Vanadium	ND	U	10	"						
Zinc	ND	U	10	"						
LCS (B7C0126-BS1)										
Aluminum	1990		100	ug/L	2000		100	85-115		
Antimony	823		20	"	800		103	85-115		
Arsenic	840		20	"	800		105	85-115		
Barium	196		10	"	200		98	85-115		
Beryllium	206		1.0	"	200		103	85-115		
Boron	282		100	"	300		94	85-115		
Cadmium	201		5.0	"	200		100	85-115		
Calcium	1020		100	"	1000		102	85-115		
Chromium	403		10	"	400		101	85-115		
Cobalt	198		10	"	200		99	85-115		
Copper	302		10	"	300		101	85-115		
Iron	3110		100	"	3000		104	85-115		
Lead	1020		20	"	1000		102	85-115		
Magnesium	2030		500	"	2000		102	85-115		
Manganese	198		5.0	"	200		99	85-115		
Molybdenum	401		20	"	400		100	85-115		
Nickel	514		10	"	500		103	85-115		
Potassium	10400		2000	"	10000		104	85-115		

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Project Manager: Chris Lichens	**Site Cleanup Section 4**	**SDG:** 07080B	
Project Number: R07S28	**75 Hawthorne Street**	**Reported:** 03/28/07 10:53	
Project: Omega Chemical OU2 Winter 2007 IDW Profiling	**San Francisco CA, 94105**		

Quality Control

Prepared: 03/21/07 Analyzed: 03/22/07

Batch B7C0126 - 200 Series Digest - Metals, ICP — Metals by EPA 200 Series Methods - Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
LCS (B7C0126-BS1)										
Selenium	2110		20	"	2000		106	85-115		
Silver	75.1		10	"	75.0		100	85-115		
Sodium	3180		500	"	3000		106	85-115		
Thallium	1930		20	"	2000		96	85-115		
Vanadium	303		10	"	300		101	85-115		
Zinc	202		10	"	200		101	85-115		
Matrix Spike (B7C0126-MS1)	**Source: 0703050-01**									
Aluminum	46900		100	ug/L	2000	44700	110	70-130		
Antimony	653		20	"	800	27.3	78	70-130		
Arsenic	1010		20	"	800	232	97	70-130		
Barium	881		10	"	200	713	84	70-130		
Beryllium	177		1.0	"	200	1.97	88	70-130		
Boron	427		100	"	300	153	91	70-130		
Cadmium	169		5.0	"	200	ND	84	70-130		
Calcium	1290000	Q10	1000	"	1000	1290000		70-130		
Chromium	569		10	"	400	218	88	70-130		
Cobalt	180		10	"	200	19.9	80	70-130		
Copper	553		10	"	300	296	86	70-130		
Iron	67600		100	"	3000	65400	73	70-130		
Lead	972		20	"	1000	156	82	70-130		
Magnesium	16700		500	"	2000	15000	85	70-130		
Manganese	1410		5.0	"	200	1230	90	70-130		
Molybdenum	457		20	"	400	106	88	70-130		
Nickel	431		10	"	500	21.7	82	70-130		
Potassium	153000		2000	"	10000	143000	100	70-130		
Selenium	1830		20	"	2000	ND	92	70-130		
Silver	64.4		10	"	75.0	ND	86	70-130		
Sodium	90000		500	"	3000	86800	107	70-130		
Thallium	1560		20	"	2000	44.1	76	70-130		
Vanadium	346		10	"	300	72.4	91	70-130		
Zinc	586		10	"	200	407	90	70-130		
Matrix Spike Dup (B7C0126-MSD1)	**Source: 0703050-01**									
Aluminum	47000		100	ug/L	2000	44700	115	70-130	0.2	20
Antimony	640		20	"	800	27.3	77	70-130	2	20
Arsenic	992		20	"	800	232	95	70-130	2	20
Barium	882		10	"	200	713	84	70-130	0.1	20
Beryllium	174		1.0	"	200	1.97	86	70-130	2	20
Boron	427		100	"	300	153	91	70-130	0	20
Cadmium	168		5.0	"	200	ND	84	70-130	0.6	20
Calcium	1280000	Q10	1000	"	1000	1290000	NR	70-130	0.8	20
Chromium	564		10	"	400	218	86	70-130	0.9	20
Cobalt	181		10	"	200	19.9	81	70-130	0.6	20
Copper	551		10	"	300	296	85	70-130	0.4	20
Iron	67700		100	"	3000	65400	77	70-130	0.1	20

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Project:	Omega Chemical OU2 Winter 2007 IDW Profiling	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
								Prepared: 03/21/07 Analyzed: 03/22/07		
Batch B7C0126 - 200 Series Digest - Metals, ICP								Metals by EPA 200 Series Methods - Quality Control		
Matrix Spike Dup (B7C0126-MSD1)		**Source: 0703050-01**								
Lead	961		20	"	1000	156	80	70-130	1	20
Magnesium	16800		500	"	2000	15000	90	70-130	0.6	20
Manganese	1410		5.0	"	200	1230	90	70-130	0	20
Molybdenum	455		20	"	400	106	87	70-130	0.4	20
Nickel	429		10	"	500	21.7	81	70-130	0.5	20
Potassium	153000		2000	"	10000	143000	100	70-130	0	20
Selenium	1800		20	"	2000	ND	90	70-130	2	20
Silver	64.0		10	"	75.0	ND	85	70-130	0.6	20
Sodium	89900		500	"	3000	86800	103	70-130	0.1	20
Thallium	1540		20	"	2000	44.1	75	70-130	1	20
Vanadium	344		10	"	300	72.4	91	70-130	0.6	20
Zinc	585		10	"	200	407	89	70-130	0.2	20
								Prepared: 03/22/07 Analyzed: 03/23/07		
Batch B7C0138 - 245.1 Hg Prep. - Mercury								Metals by EPA 200 Series Methods - Quality Control		
Blank (B7C0138-BLK1)										
Mercury	ND	U	0.030	ug/L						
LCS (B7C0138-BS1)										
Mercury	0.205		0.030	ug/L	0.200		102	85-115		
Matrix Spike (B7C0138-MS2)		**Source: 0703050-01**								
Mercury	0.236		0.030	ug/L	0.200	0.017	110	70-130		
Matrix Spike Dup (B7C0138-MSD2)		**Source: 0703050-01**								
Mercury	0.234		0.030	ug/L	0.200	0.017	108	70-130	0.9	20

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Qualifiers and Comments

Q10	The analyte concentration in the unfortified sample is significantly greater than the concentration spiked into the matrix spike and matrix spike duplicate. The reported spike recovery is not a meaningful measure of the dataset's analytical accuracy.
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