SFUND RECORDS CTR
2208729

United States Environmental Protection Agency
Region 9 Laboratory

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

JAN 15 2010

Subject: **Analytical Testing Results - Project R10S21**
SDG: 10008A

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

To: **Lynda Deschambault**
California Site Cleanup Section 1
SFD-7-1

Attached are the results from the analysis of samples from the **Omega Chemical OU2 Nov/Dec 2009 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 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.

Electronic CC: Tom Perina, CH2M-Hill
Daniel Jablonski, CH2M-Hill

Analyses included in this report:

Hexavalent Chromium by Ion Chromatography	Mercury by CVAA
Metals by ICP	pH

United States Environmental Protection Agency
Region 9 Laboratory
1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager: Lynda Deschambault	**California Site Cleanup Section 1**	**SDG:** 10008A
Project Number: R10S21	**75 Hawthorne Street**	**Reported:** 01/15/10 09:31
Project: Omega Chemical OU2 Nov/Dec 2009 Sampling	**San Francisco CA, 94105**	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
HPIDW	1001007-01	Water	01/07/10 14:00	01/08/10 10:35

SDG ID 10008A

Work Order(s)

1001007

United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager:	Lynda Deschambault	**California Site Cleanup Section 1**	**SDG:** 10008A
Project Number:	R10S21	**75 Hawthorne Street**	**Reported:** 01/15/10 09:31
Project:	Omega Chemical OU2 Nov/Dec 2009 Sampling	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: **1001007-01**									**Water - Sampled: 01/07/10 14:00**
Sample ID: **HPIDW**									**Metals by EPA 200 Series Methods**
Mercury		ND	U	0.030	ug/L	B0A0054	01/11/10	01/12/10	245.1/SOP515
Antimony		ND	U	20	"	B0A0045	01/11/10	01/13/10	200.7/SOP505
Arsenic		ND	U	20	"	"	"	"	200.7/SOP505
Barium		75		10	"	"	"	"	200.7/SOP505
Beryllium		ND	U	1	"	"	"	"	200.7/SOP505
Cadmium		ND	U	5	"	"	"	"	200.7/SOP505
Chromium		ND	U	10	"	"	"	"	200.7/SOP505
Cobalt		ND	U	10	"	"	"	"	200.7/SOP505
Copper		ND	U	10	"	"	"	"	200.7/SOP505
Lead		ND	U	20	"	"	"	"	200.7/SOP505
Molybdenum		ND	U	20	"	"	"	"	200.7/SOP505
Nickel		46		10	"	"	"	"	200.7/SOP505
Selenium		ND	U	20	"	"	"	"	200.7/SOP505
Silver		ND	U	10	"	"	"	"	200.7/SOP505
Thallium		ND	U	20	"	"	"	"	200.7/SOP505
Vanadium		ND	U	10	"	"	"	"	200.7/SOP505
Zinc		13		10	"	"	"	"	200.7/SOP505
Sample ID: **HPIDW**									**Conventional Chemistry Parameters by APHA/EPA Methods**
Hexavalent Chromium		0.70		0.20	"	B0A0038	01/08/10	01/08/10	218.6/SOP525
pH		7.5	A3, J	0.10	pH Units	B0A0040	01/08/10	01/08/10	SM4500-H+/SOP 5

United States Environmental Protection Agency
Region 9 Laboratory
1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager: Lynda Deschambault	**California Site Cleanup Section 1**	**SDG:** 10008A	
Project Number: R10S21	**75 Hawthorne Street**	**Reported:** 01/15/10 09:31	
Project: Omega Chemical OU2 Nov/Dec 2009 Sampling	**San Francisco CA, 94105**		

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B0A0038 - - General Inorganic - Chromium VI										**Prepared & Analyzed: 01/08/10**
										Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control
Blank (B0A0038-BLK1)										
Hexavalent Chromium	ND	U	0.2	ug/L						
LCS (B0A0038-BS1)										
Hexavalent Chromium	4.84		0.2	ug/L	5.00		97	90-110		200
Matrix Spike (B0A0038-MS1)		**Source: 1001007-01**								
Hexavalent Chromium	5.66		0.2	ug/L	5.00	0.701	99	90-110		20
Matrix Spike Dup (B0A0038-MSD1)		**Source: 1001007-01**								
Hexavalent Chromium	5.66		0.2	ug/L	5.00	0.701	99	90-110	0.1	20
Batch B0A0040 - - General Inorganic - pH by 150.1										**Prepared & Analyzed: 01/08/10**
										Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control
Duplicate (B0A0040-DUP2)		**Source: 1001007-01**								
pH	7.5		0.1	pH Units		7.49			0.1	20
Reference (B0A0040-SRM1)										
pH	7.05			pH Units	7.00		101	98.6-101.4		
Reference (B0A0040-SRM2)										
pH	7.04			pH Units	7.00		101	98.6-101.4		
Batch B0A0045 - 200 Series Digest - Metals by 200.7										**Prepared: 01/11/10 Analyzed: 01/13/10**
										Metals by EPA 200 Series Methods - Quality Control
Blank (B0A0045-BLK1)										
Antimony	ND	U	20	ug/L						
Arsenic	ND	U	20	"						
Barium	ND	U	10	"						
Beryllium	ND	U	1	"						
Cadmium	ND	U	5	"						
Chromium	ND	U	10	"						
Cobalt	ND	U	10	"						
Copper	ND	U	10	"						
Lead	ND	U	20	"						
Molybdenum	ND	U	20	"						
Nickel	ND	U	10.	"						
Selenium	ND	U	20	"						
Silver	ND	U	10	"						
Thallium	ND	U	20	"						
Vanadium	ND	U	10	"						
Zinc	ND	U	10	"						
LCS (B0A0045-BS1)										
Antimony	839		20	ug/L	800		105	85-115		200
Arsenic	761		20	"	800		95	85-115		200
Barium	183		10	"	200		91	85-115		200
Beryllium	190		1	"	200		95	85-115		200
Cadmium	197		5	"	200		98	85-115		200
Chromium	378		10	"	400		95	85-115		200

United States Environmental Protection Agency
Region 9 Laboratory
1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager: Lynda Deschambault	**California Site Cleanup Section 1**	**SDG:** 10008A
Project Number: R10S21	**75 Hawthorne Street**	**Reported:** 01/15/10 09:31
Project: Omega Chemical OU2 Nov/Dec 2009 Sampling	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B0A0045 - 200 Series Digest - Metals by 200.7									**Prepared: 01/11/10 Analyzed: 01/13/10**	
									Metals by EPA 200 Series Methods - Quality Control	
LCS (B0A0045-BS1)										
Cobalt	197		10	"	200		99	85-115		200
Copper	289		10	"	300		96	85-115		200
Lead	992		20	"	1000		99	85-115		200
Molybdenum	391		20	"	400		98	85-115		200
Nickel	502		10	"	500		100	85-115		200
Selenium	2,030		20	"	2000		102	85-115		200
Silver	70.7		10	"	75.0		94	85-115		200
Thallium	1,970		20	"	2000		98	85-115		200
Vanadium	288		10	"	300		96	85-115		200
Zinc	198		10	"	200		99	85-115		200
Matrix Spike (B0A0045-MS3)		**Source: 1001007-01**								
Antimony	851		20	ug/L	800	ND	106	70-130		20
Arsenic	786		20	"	800	ND	98	70-130		20
Barium	251		10	"	200	75.3	88	70-130		20
Beryllium	189		1	"	200	ND	95	70-130		20
Cadmium	187		5	"	200	ND	94	70-130		20
Chromium	374		10	"	400	ND	94	70-130		20
Cobalt	193		10	"	200	ND	97	70-130		20
Copper	289		10	"	300	ND	96	70-130		20
Lead	949		20	"	1000	ND	95	70-130		20
Molybdenum	399		20	"	400	ND	100	70-130		20
Nickel	525		10	"	500	46	96	70-130		20
Selenium	2,030		20	"	2000	ND	102	70-130		20
Silver	69.3		10	"	75.0	ND	92	70-130		20
Thallium	1,900		20	"	2000	ND	95	70-130		20
Vanadium	297		10	"	300	ND	99	70-130		20
Zinc	211		10	"	200	13.3	99	70-130		20
Matrix Spike Dup (B0A0045-MSD3)		**Source: 1001007-01**								
Antimony	849		20	ug/L	800	ND	106	70-130	0.3	20
Arsenic	785		20	"	800	ND	98	70-130	0.1	20
Barium	253		10	"	200	75.3	89	70-130	1	20
Beryllium	191		1	"	200	ND	96	70-130	1	20
Cadmium	187		5	"	200	ND	94	70-130	0.2	20
Chromium	378		10	"	400	ND	94	70-130	1	20
Cobalt	194		10	"	200	ND	97	70-130	0.5	20
Copper	290		10	"	300	ND	97	70-130	0.3	20
Lead	949		20	"	1000	ND	95	70-130	0.02	20
Molybdenum	401		20	"	400	ND	100	70-130	0.5	20
Nickel	529		10	"	500	46	97	70-130	0.9	20
Selenium	2,040		20	"	2000	ND	102	70-130	0.2	20
Silver	69.4		10	"	75.0	ND	93	70-130	0.1	20

United States Environmental Protection Agency
Region 9 Laboratory
1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager:	Lynda Deschambault	**California Site Cleanup Section 1**	**SDG:** 10008A
Project Number:	R10S21	**75 Hawthorne Street**	**Reported:** 01/15/10 09:31
Project:	Omega Chemical OU2 Nov/Dec 2009 Sampling	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B0A0045 - 200 Series Digest - Metals by 200.7									**Prepared: 01/11/10 Analyzed: 01/13/10**	
									Metals by EPA 200 Series Methods - Quality Control	
Matrix Spike Dup (B0A0045-MSD3)		**Source: 1001007-01**								
Thallium	1,890		20	"	2000	ND	95	70-130	0.4	20
Vanadium	299		10	"	300	ND	100	70-130	0.9	20
Zinc	212		10	"	200	13.3	99	70-130	0.4	20
Batch B0A0054 - 245.1 Hg Prep. - Mercury									**Prepared: 01/11/10 Analyzed: 01/12/10**	
									Metals by EPA 200 Series Methods - Quality Control	
Blank (B0A0054-BLK1)										
Mercury	ND	U	0.03	ug/L						
LCS (B0A0054-BS1)										
Mercury	0.215		0.03	ug/L	0.200		108	85-115		200
Matrix Spike (B0A0054-MS3)		**Source: 1001007-01**								
Mercury	0.225		0.03	ug/L	0.200	ND	112	70-130		20
Matrix Spike Dup (B0A0054-MSD3)		**Source: 1001007-01**								
Mercury	0.227		0.03	ug/L	0.200	ND	114	70-130	0.9	20

United States Environmental Protection Agency
Region 9 Laboratory
1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager:	Lynda Deschambault	**California Site Cleanup Section 1**		**SDG:**	10008A
Project Number:	R10S21	**75 Hawthorne Street**		**Reported:**	01/15/10 09:31
Project:	Omega Chemical OU2 Nov/Dec 2009 Sampling	**San Francisco CA, 94105**			

Qualifiers and Comments

J The reported result for this analyte should be considered an estimated value.

A3 The sample was prepped/analyzed past the recommended holding time.

U Not Detected

NR Not Reported

RE1, RE2, etc: Result is from a sample re-analysis.