October 6, 2006 Report 0387.R2

Ms. Mirtha Ninayahuar East Bay Municipal Utility District 375 11th Street Oakland, CA 94607

RECEIVED

2:17 pm, Oct 20, 2008

Alameda County Environmental Health



SUBJECT: WASTEWATER DISCHARGE TECHNICAL REPORT

2100-2150 Franklin Street

Oakland, CA

Dear Ms. Ninayahuar:

RGA Environmental, Inc. (RGA) is pleased to present this report documenting the operation of the wastewater treatment system and wastewater discharge from the subject site to the East Bay Municipal Utility District (EBMUD) treatment plant. A Site Location Map (Figure 1) and a Site Plan (Figure 2) showing the location of the treatment system and the discharge point are attached to this report.

BACKGROUND

The site is presently being excavated for construction of a high-rise office building. In order to dewater the excavation and simultaneously treat potentially impacted groundwater, Wastewater Discharge Permit number 5059598 1 was obtained from EBMUD, effective June 7, 2006.

FIELD ACTIVITIES

The wastewater treatment system became operational on June 15, 2006. Except for a few instances of temporary shutdown due to clogged filters or malfunctioning pump switches, the system has operated continuously since the startup date. According to Charles Pankow Builders, Ltd. (Pankow), from July 27 to July 30, 2006 one of the dewatering pumps was "down" which resulted in a low flow condition. Also, from August 17 through August 20, 2006, problems with the pump float and a shut valve resulted in a low flow condition. Operational changes and required monthly totalizer readings are summarized in Table 1. System influent samples were collected from a sample port between the settling tank and the pre-filter cartridges. System effluent samples were collected from a sample port at the discharge point to the sanitary sewer. Samples were collected on July 28, 2006 and August 31, 2006. Water samples were collected in one-liter amber bottles, 500-milliliter polyethylene bottles, and 40-milliliter glass Volatile Organic Analysis (VOA) vials containing hydrochloric acid preservative and sealed with Teflon-lined screw caps. The VOAs were overturned and tapped to ensure that air bubbles were not present. The sample bottles were labeled and stored in a cooler with ice pending delivery to the McCampbell Analytical of Pittsburg, CA. Chain of custody procedures were observed for all sample handling.

LABORATORY ANALYSIS

The influent and effluent water samples collected from the treatment system were analyzed for oil and grease hydrocarbons by Hexane Extractable Materials with Silica Gel Clean Up (HEM-SGT) EPA Method 1664A, for benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 624, and for Chromium and Nickel by EPA Method 200.8. The EBMUD Table of Approved Test Methods lists EPA Method 200.7 as being the approved method for metals, but Molly Ong of EBMUD approved Method 200.8 as an acceptable alternative.

The laboratory analytical results of the influent and effluent water samples show that no oil and grease hydrocarbons and no BTEX compounds were detected. Chromium and nickel were detected at concentrations below the EBMUD daily maximum concentration as specified in the Wastewater Discharge Limitations section of the Wastewater Discharge Permit. Laboratory results for the influent and effluent water samples are summarized in Table 2.

Updated contact information for RGA and Brandywine Realty Trust is attached per a request from Ms. Mirtha Ninayahuar.

DISCUSSION AND RECOMMENDATIONS

The results of the influent and effluent water samples collected from the treatment system show that no sampling parameters have exceeded the daily maximum concentrations as specified in the Wastewater Discharge Limitations section of the EBMUD Wastewater Discharge Permit. The wastewater treatment system has operated in accordance with the conditions specified in the EBMUD permit, with only minor slowdowns and stoppages due to maintenance issues associated with pumps and filters. RGA recommends that the treatment system operation continue at the subject site.

LIMITATIONS

The content and conclusions provided by RGA in this assessment are based on information collected during our investigation, which may include, but not be limited to, visual site inspections; interviews with the site owner, regulatory agencies and other pertinent individuals; review of available public documents; subsurface exploration and our professional judgment based on said information at the time of preparation of this document. Any subsurface sample results and observations presented herein are considered to be representative of the area of investigation; however, geological conditions may vary between borings and may not necessarily apply to the general site as a whole. If future subsurface or other conditions are revealed which vary from these findings, the newly revealed conditions must be evaluated and may invalidate the findings of this report.

This report is issued with the understanding that it is the responsibility of the owner, or his representative, to ensure that the information contained herein is brought to the attention of the appropriate regulatory agencies, where required by law. Additionally, it is the sole responsibility of the owner to properly dispose of any hazardous materials or hazardous wastes left onsite, in accordance with existing laws and regulations.

October 6, 2006 Report 0387.R1

This report has been prepared in accordance with generally accepted practices using standards of care and diligence normally practiced by recognized consulting firms performing services of a similar nature. RGA is not responsible for the accuracy or completeness of information provided by other individuals or entities which is used in this report. This report presents our professional judgment based upon data and findings identified in this report and interpretation of such data based upon our experience and background, and no warranty, either express or implied, is made. The conclusions presented are based upon the current regulatory climate and may require revision if future regulatory changes occur.

I certify under penalty of law that this document and all attachments were prepared under my direction and supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Should you have any questions, please do not hesitate to contact us at (510) 658-4363.

Sincerely,

RGA Environmental, Inc.

Kenneth Pilgrim
Project Manager

Paul H. King

Professional Geologist #5901

Expires: 12/31/07

Attachments: Table 1 - Summary of Operational Changes and Totalizer Readings, Wastewater

Treatment System

Table 2 - Summary of Laboratory Analytical Results, Treatment System Water

Samples

Land W.King

Site Location Map (Figure 1)

Site Plan (Figure 2)

Laboratory Analytical Reports Chain of Custody Documentation

Updated Contact Information (EBMUD Wastewater Discharge Permit Applicant

Information form)

TABLE 1 SUMMARY OF OPERATIONAL CHANGES AND TOTALIZER READINGS WASTEWATER TREATMENT SYSTEM

Date	System Conditions
6/15/06	System startup
7/15/06	Cumulative gallons discharged = 204,654
8/18/06	System maintenance: pre-filter cartridge replacement
8/15/06	Cumulative gallons discharged = 328,225
9/8/06	System maintenance: pre-filter cartridge replacement
9/15/06	Cumulative gallons discharged = 445,025

TABLE 2 SUMMARY OF LABORATORY ANALYTICAL RESULTS TREATMENT SYSTEM WATER SAMPLES

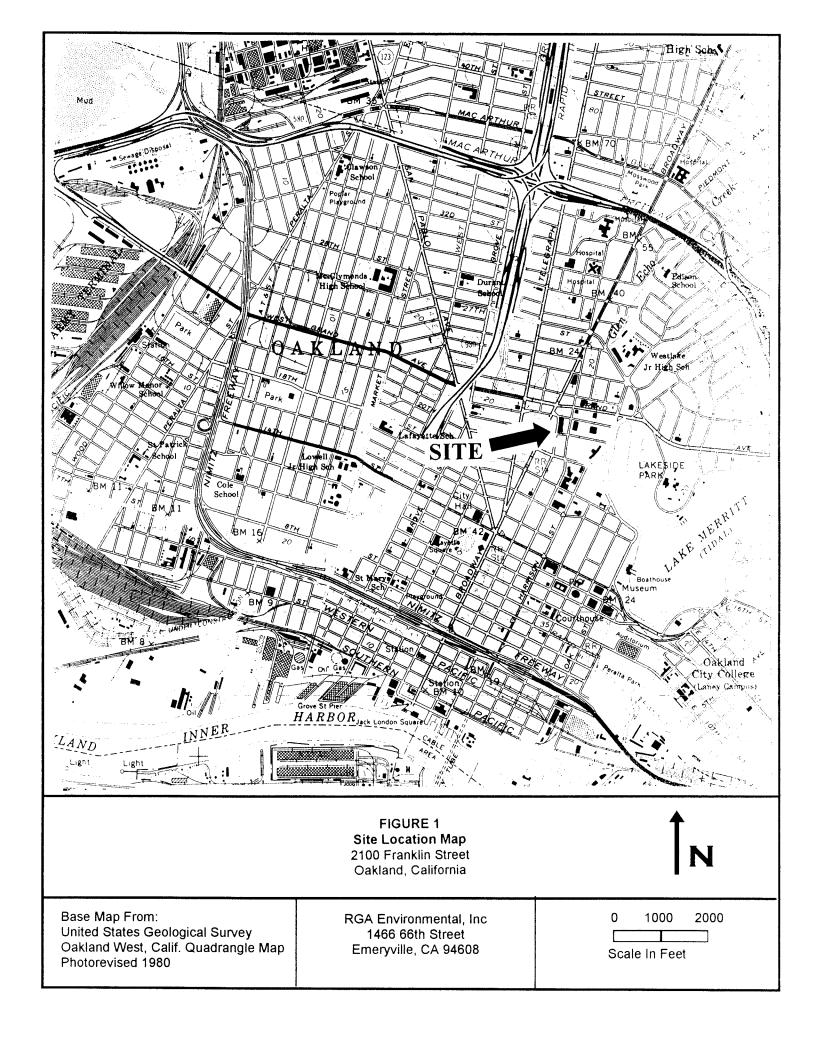
Sample No.	Sample Type	Sample Date	Oil and Grease Hydrocarbons (HEMSGT)	BTEX	Chromium	Nickel
I172806	System Influent	7/28/06	ND<5.0	ND<0.0005	0.0016	0.0065
E272806	System Effluent	7/28/06	ND<5.0	ND<0.0005	ND<0.0005	0.028
I183106	System Influent	8/31/06	ND<5.0	ND<0:0005	ND<0:0005	0.0057
E183106	System Effluent	8/31/06	ND<5.0	ND<0.0005	0.0012	0.0096
EBMUD Pe	ermitted Daily Max	Concentration	100	0.005	2	5

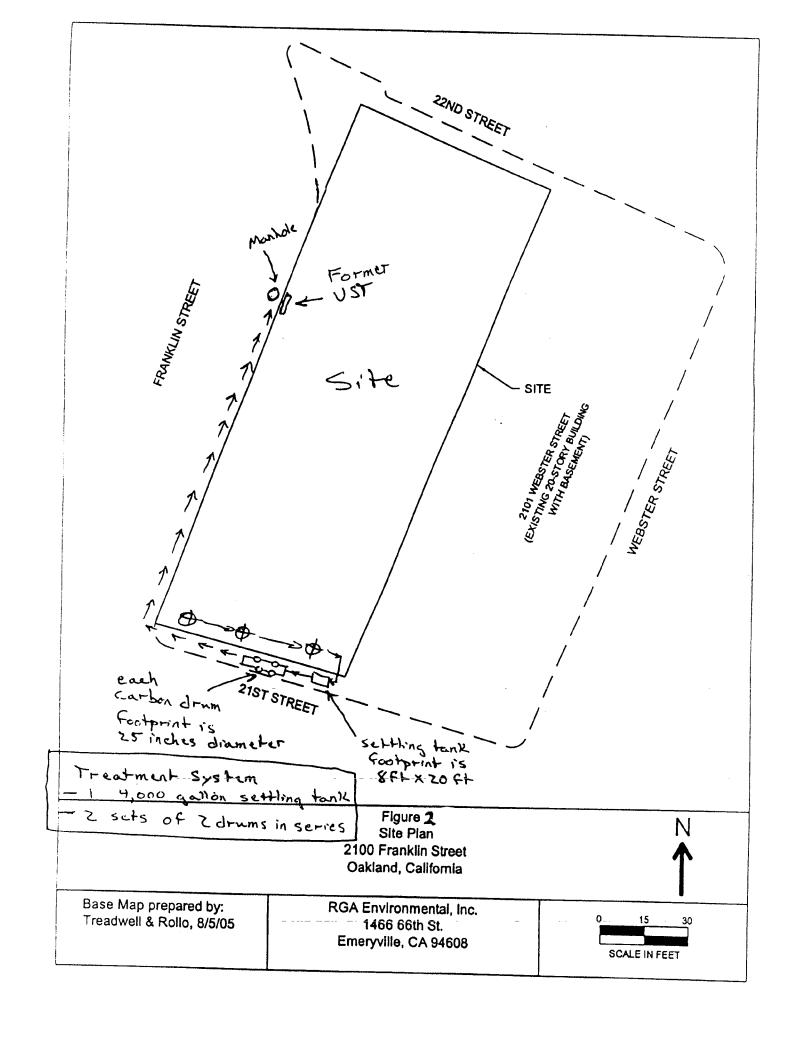
Notes:

HEMSGT = Hexane Extractable Materials with Silica Gel Clean Up

BTEX = Benzene, Toluene, Ethylbenzene and Xylenes

Concentrations are in milligrams per liter (mg/L), unless otherwise noted.





316

Mc Mc	Campbell Anal "When Quality Cou		Web: www.mccam	Pass Road, Pittsburg, CA 945 pbell.com E-mail: main@m 877-252-9262 Fax: 925-252	ccampbell.com	1	
RGA Environm	nental	Client Project I	D: #0387; Franklin St.	Date Sampled: 07	/28/06		
1466 66th Stree	et			Date Received: 07	/31/06		
Emeryville, CA	. 94608	Client Contact:	Paul King	Date Extracted 07	/31/06		
		Client P.O.:	Client P.O.: Date Analyzed				
Extraction method: E1			erial with Silica Gel Clea	-	rk Order: 06	07553	
Lab ID	Client ID	Matrix	HEMSO		DF	% SS	
0607553-001A	I172806	w	ND		1	N/A	
0607553-002A	E272806	w	ND		1	N/A	

Reporting Limit for DF =1; ND means not detected at or	W	5.0	mg/L
above the reporting limit	S	NA	NA

^{*} water samples and all TCLP & SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in mg/wipe, product/oil/nonaqueous liquid samples in mg/L.

 $\mathrm{DF}=\mathrm{dilution}$ factor (may be raised to dilute target analyte or matrix interference).

surrogate diluted out of range or not applicable to this sample.

g) sample extract repeatedly cleaned up with silica gel until constant IR result achieved; h) a lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) results are reported on a dry weight basis.

Angela Rydelius, Lab Manager

	"When Quality Counts"						377-252-9262	Fax: 925	5-252-9269	
RGA Environmental			Client Pr	roject ID:	#0387	; Franklin St.	Date Sam	pled:	07/28/06	
1466 66th Street							Date Received: 07/31/06			
Emeryville, CA 94608			Client C	ontact: Pa	ul King	3	Date Extra	acted:	08/01/06-0	08/02/06
amery vine, erry lede			Client P.O.:				Date Anal	yzed:	08/01/06-0	08/02/06
Extraction Method: E624	Volati	le Orga		P&T and (6 (624 Basic Tar	get List)*		Work Order:	0607553
	Lab ID	06075	53-001C	0607553-	002C					***************************************
	Client ID	ient ID I172806 E272806 Repoi						ing Limit for		
	Matrix		W	W			†		DF	=1
		1	1					S	W	
Compound					Conce	entration			ug/kg	μg/L
Benzene		1	۷D	ND					NA	0.5
Ethylbenzene		1	ND	ND					NA	0.5
Toluene		Ŋ	۷D	ND					NA	0.5
Xylenes		N	٧D	ND					NA	0.5
			Surre	gate Reco	veries	(%)				
%SS1:		1	11	112						
%SS2:			89	92						

88

86

%SS3:

Comments

^{*} water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

[#] surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

McCampbell Analytical, Inc.

1534 Willow Pass Road, Pittsburg, CA 94565-1701 Web: www.mccampbell.com E-mail: main@mccampbell.com Telephone: 877-252-9262 Fax: 925-252-9269

RGA Environmental	Client Project ID: #0387; Franklin St.	Date Sampled: 07/28/06
1466 66th Street		Date Received: 07/31/06
Emeryville, CA 94608	Client Contact: Paul King	Date Extracted: 07/31/06
	Client P.O.:	Date Analyzed: 08/01/06

Metals*

Extraction method: E200.8 Analytical methods: E200.8 Work Order: 0607553

Lab ID	Client ID	Matrix	Extraction	Chromium	Nickel	DF	% SS
***************************************	******************************	***************************************		***************************************	1110001		
001B	I172806	W	DISS.	1.6	6.5	1	N/A
002B	E272806	w	DISS.	ND	28	1	N/A
					20		17721
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						-	
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Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	DISS.	0.5	0.5	μg/L
	S	TTLC	NA	NA	NA

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TTLC metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrrogate recovery; n) results are reported on a dry weight basis; p) see attached narrative.



[#] means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

QC SUMMARY REPORT FOR E1664A

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0607553

EPA Method: E1664A	Extraction: E1664A_SG				Batcl	BatchID: 22940			Spiked Sample ID N/A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance	Criteria (%)		
,	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD		
HEMSGT	N/A	200	N/A	N/A	N/A	97.5	95.6	1.96	N/A	70 - 130		

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

BATCH 22940 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0607553-001A	7/28/06 1:43 PM	7/31/06	8/02/06 2:35 PM	0607553-002A	7/28/06 3:56 PM	7/31/06	8/02/06 2:40 PM

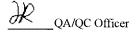
MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons; a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate therefore unable to comply with method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



QC SUMMARY REPORT FOR E624

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0607553

EPA Method: E624	E	: E624		Batch	nID: 22933	B	Spiked Sample ID 0607556-001B			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	μg/L	μg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
Benzene	ND<2.5	10	98.3	97.9	0.446	109	99.1	9.52	70 - 130	70 - 130
Chlorobenzene	ND<2.5	10	95.2	96	0.853	104	95.4	8.21	70 - 130	70 - 130
1,1-Dichloroethene	ND<2.5	10	105	103	2.02	101	100	0.526	70 - 130	70 - 130
Toluene	ND<2.5	10	87.2	97.1	10.8	108	91.6	16.3	70 - 130	70 - 130
Trichloroethene	ND<2.5	10	79.6	100	22.8	85.7	80.8	5.91	70 - 130	70 - 130
%SS1:	97	10	96	97	1.08	98	95	3.35	70 - 130	70 - 130
%SS2:	91	10	85	92	7.57	96	89	7.54	70 - 130	70 - 130
%SS3:	94	10	89	92	3.62	96	90	7.03	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

BATCH 22933 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0607553-001C	7/28/06 1:43 PM	8/02/06	8/02/06 1:54 PM	0607553-002C	7/28/06 3:56 PM	8/01/06	8/01/06 9:38 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

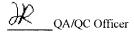
% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.



QC SUMMARY REPORT FOR E200.8

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder 0607553

EPA Method E200.8	200.8 Extraction E200.8					nID: 22919)	Spiked Sample ID 0607541-002E			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance	Criteria (%)	
	μg/L	μg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD	
Chromium	0.79	10	94.9	91.7	3.16	93.7	92.4	1.46	75 - 125	85 - 115	
Nickel	5.1	10	89.6	85.2	3.18	87.9	87	1.02	75 - 125	85 - 115	
%SS:	109	750	115	105	8.52	96	96	0	70 - 130	70 - 130	

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

BATCH 22919 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0607553-001B	7/28/06 1:43 PM	7/31/06	8/01/06 8:07 PM	0607553-002B	7/28/06 3:56 PM	7/31/06	8/01/06 8:14 PM

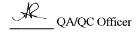
MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

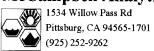
MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



McCampbell Analytical, Inc.



RGA Environmental

Emeryville, CA 94608

1466 66th Street

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0607553

Bill to:

ClientID: RGAE

EDF: NO

Report to:

Paul King

Email:

PO:

TEL:

(510) 547-7771

ProjectNo: #0387; Franklin St.

FAX: (510) 547-1983

1466 66th Street

Emeryville, CA 94608

Accounts Payable

RGA Environmental

Requested TAT:

5 days

Date Received: 07/31/2006

Date Printed: 07/31/2006

								Re	queste	d Tests	(See leg	end be	low)			
Sample ID	ClientSamplD	Matrix	Collection Date Hold	1	2	3	3	4	5	6	7	8	9	10	11	12
0607553-001	T172806	Water	7/28/06 1:43:00 PM	Α	C	E	3	В								
0607553-002	E272806	Water	7/28/06 3:56:00 PM										+			

Test Legend:

1 1664A_SG_W	2 624_W	3 METALSMS_DISS	4 PRDISSOLVED	5
6	7	8	9	10
11	12			

Prepared by: Melissa Valles

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.



1466 - 66th St Emeryville, CA 94608 510-658-4363 510-634-0152 fax paul.king@rgaenv.com

UW1955 Kyre

CHAIN OF CUSTODY RECORD

\$0000000000000000000000000000000000000	IN TRUE CAR DAMENDER GREEN COUR							PAGE L				
PROJECT NUMBER:	NTED AND	SIGNAT	กันะ์}-2	elder St.	R OF NERS	ANAL TSISTE					REMARKS	
SAMPLE NUMBER	DATE		TYPE	SAMPLE LOCATION	NUMBER OF CONTAINERS	**	Í,					
X 172904	7/28/50	302	7.5	Transport system williams	8		H	X	1		The AFFAFF 1	
E272806	7/28/2					Ì					The Brook Tarriored	
		,			************							
								-				
			************				***************************************					
				### ##################################								
			194.0.4	1005 1005								
RECONQUESHED BY:	6 1		DATE	TIME RECEIVED BY (SICHATURE)				F SAMP (1 KENET) (1 KENET)			LABORATORY: McCampall Analytic	
RELINGUISAED BYC		17	DATE/	TIME RECEIVED BY: (SIGNATURE)	Jer ⁱ	LAB	ORA.	ORY	CON	TACT	(: LABORATORY PHONE NUMBER	
RELINGUISFIED BY. I	SICHATUŘE	3	DATE	TIME RECEIVED FOR LABORATORY (SIGNATURE)				ATT	ACH	EO: (YSIS REQUEST SHEET ()YES ()NO	
<u>.</u> 1	1	÷		REMARKS: Place Alte	r and (gais	(P	C-36.	as re	€°~	fam oan	rus Rom	

RGA Environmental		roject ID: #0387; Fr	anklin	Date Sampled:	08/31/06	
1466 66th Street	Street			Date Received:	09/01/06	
Emeryville, CA 94608	Client C	Contact: Eric Olson		Date Extracted	09/08/06	
Emeryvine, CA 94008	Client P	.O.:		Date Analyzed:	09/08/06	
Extraction Method: E624		organics by P&T and	l GC/MS*		Work Order:	0609039
Lab ID	0609039-001A	0609039-002A				
Client ID	I183106	E183106			Reporting	Limit for
Matrix	W	W			09/08/06 09/08/06 Work Order:	=1
DF	1	1			S	W
Compound		Concentr	ation		ug/kg	μg/L
Benzene	ND	ND			NA	0.5
Ethylbenzene	ND	ND			NA	0.5
Toluene	ND	ND			NA	0.5
Xylenes	ND	ND			NA	0.5
	Surr	ogate Recoveries (%	·)		•	
%SS1:	114	117				
%SS2:	103	96				
%SS3:	89	84				
Comments	and a second				**************************************	

^{*} water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.



RGA Environmental	Client Project ID: #0387; Franklin	Date Sampled: 08/31/06		
1466 66th Street	Street	Date Received: 09/01/06		
Emeryville, CA 94608	Client Contact: Eric Olson	Date Extracted 09/01/06		
Zinery vine, err > 1000	Client P.O.:	Date Analyzed 09/06/06		

Emeryvine, CA 94	000	Client P.O.:	Date Ana	lyzed 09/06/06	
Extraction method: E1664			rial with Silica Gel Clean Up*	Work Order: 060903	39
Lab ID	Client ID	Matrix	HEMSGT	DF 9	% SS
0609039-001B	I183106	w	ND	1	N/A
0609039-002B	E183106	w	ND	1	N/A
	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·		
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			* 11 11 18 18 80 18 18 18 18 18		
Reporting	Limit for DF =1;		5.0		
	not detected at or	W	5.0 NA	mg/L	

Reporting Limit for DF =1;	W	5.0	mg/L
ND means not detected at or			
above the reporting limit	S	NA	NA
L			

* water samples and all TCLP & SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in mg/wipe, product/oil/nonaqueous liquid samples in mg/L.

DF = dilution factor (may be raised to dilute target analyte or matrix interference).

surrogate diluted out of range or not applicable to this sample.

g) sample extract repeatedly cleaned up with silica gel until constant IR result achieved; h) a lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) results are reported on a dry weight basis.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

RGA Environmental	Client Project ID: #0387; Franklin	Date Sampled: 08/31/06		
1466 66th Street	Street	Date Received: 09/01/06		
Emeryville, CA 94608	Client Contact: Eric Olson	Date Extracted: 09/01/06		
Zinery (me, err) 1000	Client P.O.:	Date Analyzed: 09/05/06		

Metals*

Extraction method: E200.8	Analytical methods: E200.8	Work Order: 0609039
Extraction rection. E200.0	Analytical methods. E200.6	WOR Cluck Cougust

extraction method:	E200.8			Analytical methods: E200.8	``````````````````````````````````````	Work Order: 0	609039
Lab ID	Client ID	Matrix	Extraction	Chromium	Nickel	DF	% SS
001C	I183106	w	DISS.	ND	5.7	1	N/A
002C	E183106	W	··· DISS.	1.2	9.6	- 1	N/A
							-
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	<u> </u>						
					The second secon		
Reportin	g Limit for DF =1;	W	DISS.	0.5	0.5	με	g/L

Reporting Limit for DF =1;	W	DISS.	0.5	0.5	μg/L
ND means not detected at or above the reporting limit	S	TTLC	NA	NA	NA

^{*}water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in μg/wipe, filter samples in μg/filter.

DHS ELAP Certification N° 1644

Manager Angela Rydelius, Lab Manager

[#] means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TTLC metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrrogate recovery; n) results are reported on a dry weight basis; p) see attached narrative.

QC SUMMARY REPORT FOR E1664A

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0609039

EPA Method: E1664A	ethod: E1664A Extraction: E1664A_SG					Bat	chID: 23	519	Spiked Sample ID: N/A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			(o)
,	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	MS RPD	LCS/LCSD	LCS RPD
HEMSGT	N/A	200	N/A	N/A	N/A	109	111	1.30	N/A	N/A	70 - 130	N/A

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 23519 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0609039-001B	8/31/06 12:55 PM	9/01/06	9/06/06 6:17 PM	0609039-002B	8/31/06 1:10 PM	9/01/06	9/06/06 6:22 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate therefore unable to comply with method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

QA/QC Officer

QC SUMMARY REPORT FOR E624

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0609039

EPA Method: E624	Е	xtraction	E624		BatchID: 23514 Spiked Sample ID: 0609					9039-002A	
Analyte	Sample Spiked MS		MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)		
Analyte	μg/L	μg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD	
Benzene	ND	10	120	122	1.90	117	112	4.51	70 - 130	70 - 130	
Chlorobenzene	ND	10	114	109	4.54	114	113	1.15	70 - 130	70 - 130	
1,1-Dichloroethene	ND	10	117	112	4.75	113	106	7.20	70 - 130	70 - 130	
Toluene	ND	10	127	102	22.4	111	120	8.10	70 - 130	70 - 130	
Trichloroethene	ND	10	108	- 98.9	8.31	99.8	103	. 3.20	70130.	70 - 130	
%SS1:	117	10	107	109	1.44	104	103	0.697	70 - 130	70 - 130	
%SS2:	96	10	116	98	17.5	102	115	12.2	70 - 130	70 - 130	
%SS3:	84	10	106	85	21.5	96	103	7.81	70 - 130	70 - 130	

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 23514 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0609039-001A	8/31/06 12:55 PM	1 9/08/06	9/08/06 8:11 PM	0609039-002A	8/31/06 1:10 PM	9/08/06	9/08/06 12:26 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

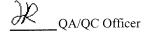
% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.



QC SUMMARY REPORT FOR E200.8

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0609039

EPA Method: E200.8 Extraction: E200.8					Batcl	nID: 23494	ļ	Spiked Sample ID: 0609009-007C			
Analyte	Sample Spiked MS MSD I		MS-MSD	LCS LCSD		LCS-LCSD	Acceptance Criteria (%)				
, analyto	μg/L	μg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD	
Chromium	ND	10	96.1	96.1	0	97.2	101	4.12	75 - 125	85 - 115	
Nickel	ND	10	96	94	2.10	99.6	103	3.20	75 - 125	85 - 115	
%SS:	107	750	107	105	1.87 -	107	107	. 0	70 - 130	- 70 - 130	

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 23494 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0609039-001C	8/31/06 12:55 PM	9/01/06	9/05/06 5:59 PM	0609039-002C	8/31/06 1:10 PM	9/01/06	9/05/06 6:06 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

A/QC Officer

McCampbell Analytical, Inc.

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

1534 Willow Pass Rd Pittsburg, CA 94565-1701 (925) 252-9262

WorkOrder: 0609039

Bill to:

ClientID: RGAE

EDF: NO

Report to:

Eric Olson

RGA Environmental

Emeryville, CA 94608

Email: TEL:

(510) 547-7771

FAX: (510) 547-1983

ProjectNo: #0387; Franklin Street

PO:

Accounts Payable

RGA Environmental

1466 66th Street Emeryville, CA 94608 Date Received:

Requested TAT:

09/01/2006

5 days

Date Printed:

09/01/2006

i -						Requested Tests (See legend below)											
Sample ID	ClientSampID	Matrix	Collection Date	Hold	1	2		3	4	5	6	7	8	9	10	11	12
0609039-001	I183106	Water	8/31/06 12:55:00		В	Α		С	С			T			***************************************		T
0609039-002	E183106	Water	8/31/06 1:10:00 PM		В	A		С	С								1

Test Legend:

1	1664A_SG_W
6	
11	

2	624_W	
7		
12		

3	METALSMS_DISS
8	

4	PRDISSOLVED
9	

5	1
10	

Prepared by: Melissa Valles

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.



RGA Environmental, Inc. 1466 - 66th St Emeryville, CA 94608 510-658-4363 510-834-0152 fax paul.king@rgaenv.com

pgae

0609039

CHAIN OF CUSTODY RECORD

	300								V			PAGE OF
PROJECT NUMBER: O387 SAMPLED BY: (PRINTED AND SIGNATURE)				ect NAME: Tranklin Street			S(ES):					
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SAMPLE NUMBER	DATE	TIME	TYPE		SAMPLE LOCATION			ૺૢ૾ૺૺ			1	
I183106	8/31/06	1255	W	Treatu	net system effect	6	\checkmark	N V			Toe	1.00
E183106	3/3/106	1310	لنا	Treat	ned system efflorent	6	V	11	1.1		Ice	Nomel THT
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RELINQUISHED BY:	ISICNATUR	E)	DATE	TIME	RECEIVED BY: (SIGNATURE)	D	LAB	ORAT	ORY CO	ATAC		ORATORY PHONE NUMBER:
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RELINQUISHED BY: (SIGNATURE) DATE TIME			RECEIVED FOR LABORATORY BY: (SIGNATURE) SAMPLE ANALYSIS REQUEST SHEET ATTACHED: ()YES ()NO									
				+	REMARKS: Please Alla	c and	1 pr	 Sen	e a	ech.	-)
	1	1 1			for metals	Crale	، خصکت	h.		1		
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WASTEWATER DISCHARGE PERMIT Terms and Conditions

APPLICANT INFORMATION

APPLICANT BUSINESS NAME	+	PERMIT NUMBER
Brandywine Realty To		
Address of Site Discharging Wastewati	* (04/10
2100 Franklin Street	Oakland	94612
STREET ADDRESS	Сіту	ZIP CODE
PERSON TO BE CONTACTED REGARDING THIS	A DDI ICA TIONI	
2 1 14	0 ·	1363 510-834-0152
NAME Eric Olson ELBOT	I. King@ KGAenV. com 310 658-1	FACSIMILE NUMBER
Dive Gibbs	KONIC MAIN-DIDRESS IELE-RONE NOMBER	I ACMMILE NOMBER
	PONDENCE IF DIFFERENT THAN PERSON SIGNIN	G APPLICATION
remon(d) to receive radii rate conde		
NAME	Mailing Address	
NAME	MAILING ADDRESS	
1 VANIL	W. Land Co.	
PERSON TO BE CONTACTED IN THE EVENT OF	AN EMERGENCY	
Site Supervisor	(SID) 451-1773 ((510) 451-1773
NAME	(310) 13, 11, 15	NIGHTTIME TELEPHONE NUMBER
AUTHORIZATION		
Paul King Professional is authoriz	red to sign reports, documents, and other correspond	lence required by this Permit.
Paul King, Professional is authoriz		,
· · ·		
1 1 1 1 1 1 1 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2	CERTIFICATION	ina with the Tarme and
Conditions of this Wastewater Discharge Permit.	harge of wastewater from the facility and for comply	ing with the Terms and
· · · · · · · ·	nd all attachments were prepared under my direction	n or supervision in accordance
with a system designed to assure that qualified per	sonnel properly gather and evaluate the information	n submitted. Based on my
inquiry of the person or persons who manage the s	sy <mark>stem, or those persons directly respo</mark> nsible for gath dge and belief, true, accurate, and complete. I am av	nering information, the
	ng the possibility of fine and imprisonment for knowi	
Kaki Coleman	Project Manager.	
NAME ()	TITLE	
Vhi (rol	t - 2 - 00	
SIGNATURE	DATE	EFO
(TO BE SIGNED BY CHIEF EXECUTIVE OFFICER OR DULY AUTHO	PLZED REPRESENTATIVE. SEE CERTIFICATION REQUIREMENTS ON	REVERSE)
2101 Webster Sheet,	(510) 836 1300	465-2101
Mailing Address Oakland, CA	94612 PHONE NUMBER	



Ms. Mirtha Ninayahuar East Bay Municipal Utility District 375 11th Street Oakland, CA 94607

SUBJECT: WASTEWATER DISCHARGE TECHNICAL REPORT

FOR SEPTEMBER AND OCTOBER 2006

2100-2150 Franklin Street

Oakland, CA

Dear Ms. Ninayahuar:

RGA Environmental, Inc. (RGA) is pleased to present this report documenting the operation of the wastewater treatment system and wastewater discharge from the subject site to the East Bay Municipal Utility District (EBMUD) treatment plant. This report is for the period of September and October, 2006. The samples were collected on October 9, 2006 and November 8, 2006. A Site Location Map (Figure 1) and a Site Plan (Figure 2) showing the location of the treatment system and the discharge point are attached to this report.

BACKGROUND

The site is presently being excavated for construction of a high-rise office building. In order to dewater the excavation and simultaneously treat potentially impacted groundwater, Wastewater Discharge Permit number 5059598 1 was obtained from EBMUD, effective June 7, 2006.

FIELD ACTIVITIES

The wastewater treatment system became operational on June 15, 2006. Except for a few instances of temporary shutdown due to clogged filters or malfunctioning pump switches, the system has operated continuously since the startup date. Operational changes and required monthly totalizer readings are summarized in Table 1. On October 20, 2006, the settling tank was covered with a tarp to reduce algae growth. On October 27, 2006 the use of the system pre-filter was discontinued because the algae growth problem had been mitigated by covering the tank with a tarp. System influent and effluent samples were collected on October 9, 2006 and November 8, 2006. The system influent sample was collected on October 9 from a sample port located between the settling tank and the pre-filter, and on November 8 at the sampling port located between the settling tank and the carbon drum manifold. System effluent samples were collected from a sample port at the discharge point to the sanitary sewer. The samples were collected in 500-milliliter polyethylene bottles, one-liter amber bottles containing hydrochloric acid, and 40-milliliter glass Volatile

milliliter glass Volatile Organic Analysis (VOA) vials containing hydrochloric acid preservative and sealed with Teflon-lined screw caps. The VOAs were overturned and tapped to ensure that air bubbles were not present. The sample bottles were labeled and stored in a cooler with ice pending delivery to the McCampbell Analytical of Pittsburg, CA. Chain of custody procedures were observed for all sample handling.

LABORATORY ANALYSIS

The influent and effluent water samples collected from the treatment system were analyzed for oil and grease hydrocarbons by Hexane Extractable Materials with Silica Gel Clean Up (HEM-SGT) EPA Method 1664A, for benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 624, and for Chromium and Nickel by EPA Method 200.8. The EBMUD Table of Approved Test Methods lists EPA Method 200.7 as being the approved method for metals, but Molly Ong of EBMUD approved Method 200.8 as an acceptable alternative.

The laboratory analytical results of the influent and effluent water samples show that no oil and grease hydrocarbons and no BTEX compounds were detected. Chromium was not detected in any of the samples and nickel was detected in all of the samples at concentrations below the EBMUD daily maximum concentration as specified in the Wastewater Discharge Limitations section of the Wastewater Discharge Permit. Laboratory results for the influent and effluent water samples are summarized in Table 2.

DISCUSSION AND RECOMMENDATIONS

The results of the influent and effluent water samples collected from the treatment system show that no sampling parameters have exceeded the daily maximum concentrations as specified in the Wastewater Discharge Limitations section of the EBMUD Wastewater Discharge Permit. The system effluent samples collected on November 8, 2006 after the discontinuation of the use of the pre-filter showed no analytes in excess of the discharge limitations. A dramatic reduction in algae growth after the covering of the settling tank with a tarp shows that it was an effective strategy to reduce algae growth in the settling tank. The wastewater treatment system has operated in accordance with the conditions specified in the EBMUD permit. RGA recommends that the treatment system operation continue at the subject site.

LIMITATIONS

The content and conclusions provided by RGA in this assessment are based on information collected during our investigation, which may include, but not be limited to, visual site inspections; interviews with the site owner, regulatory agencies and other pertinent individuals; review of available public documents; and our professional judgment based on said information at the time of preparation of this document. Any sample results and observations presented herein are considered to be representative of the area of investigation. If future conditions are revealed which vary from these findings, the newly revealed conditions must be evaluated and may invalidate the findings of this report.

This report is issued with the understanding that it is the responsibility of the owner, or his representative, to ensure that the information contained herein is brought to the attention of the appropriate regulatory agencies, where required by law. Additionally, it is the sole responsibility

of the owner to properly dispose of any hazardous materials or hazardous wastes left onsite, in accordance with existing laws and regulations.

This report has been prepared in accordance with generally accepted practices using standards of care and diligence normally practiced by recognized consulting firms performing services of a similar nature. RGA is not responsible for the accuracy or completeness of information provided by other individuals or entities which is used in this report. This report presents our professional judgment based upon data and findings identified in this report and interpretation of such data based upon our experience and background, and no warranty, either express or implied, is made. The conclusions presented are based upon the current regulatory climate and may require revision if future regulatory changes occur.

CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction and supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Should you have any questions, please do not hesitate to contact us at (510) 658-4363.

Sincerely,

RGA Environmental, Inc.

Kenneth Pilgrim
Project Manager

Paul H. King

Professional Geologist #5901

Expires: 12/31/07

Attachments: Table 1 - Summary of Operational Changes and Totalizer Readings, Wastewater

Treatment System

Table 2 - Summary of Laboratory Analytical Results, Treatment System Water

Samples

aul Hi King

Site Location Map (Figure 1)

Site Plan (Figure 2)

Graph of Gallons Removed per Day

Graph of Total Gallons Pumped Out of Site

Laboratory Analytical Reports Chain of Custody Documentation

PHK/dmg 0387.R4

TABLE 1 SUMMARY OF OPERATIONAL CHANGES AND TOTALIZER READINGS WASTEWATER TREATMENT SYSTEM

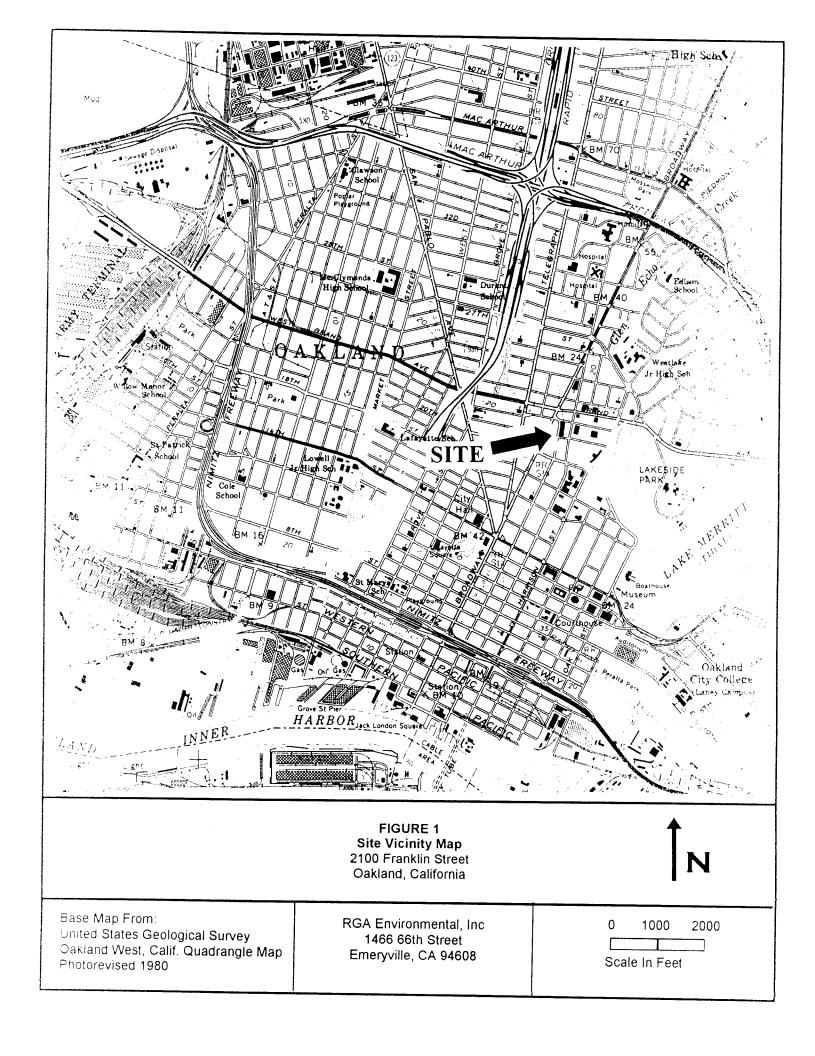
Date	System Conditions
6/15/06	System startup
7/15/06	Cumulative gallons discharged =204,654
8/18/06	System maintenance: pre-filter cartridge replacement
8/15/06	Cumulative gallons discharged =328,225
9/8/06	System maintenance: pre-filter cartridge replacement
9/15/06	Cumulative gallons discharged =445,025
10/15/06	Cumulative gallons discharged =555,500
10/20/06	System maintenance: settling tank covered with a tarp
10/27/06	System maintenance: pre-filter taken off-line
11/15/06	Cumulative gallons discharged =655,500

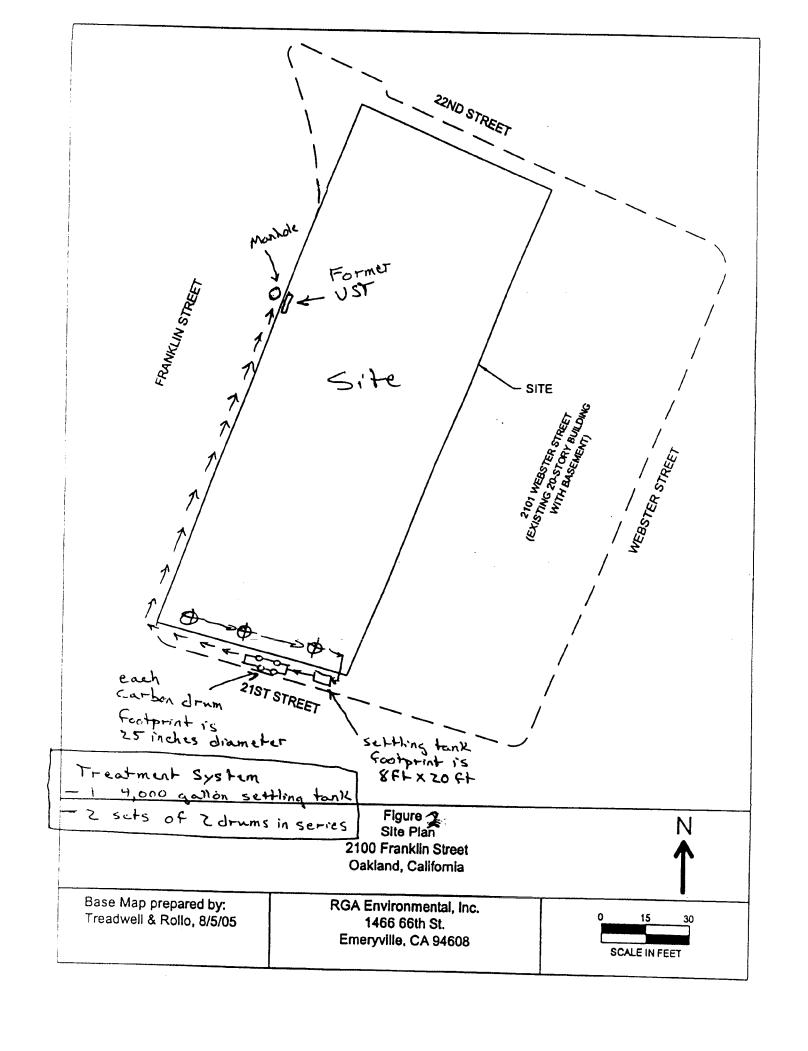
TABLE 2 SUMMARY OF LABORATORY ANALYTICAL RESULTS TREATMENT SYSTEM WATER SAMPLES

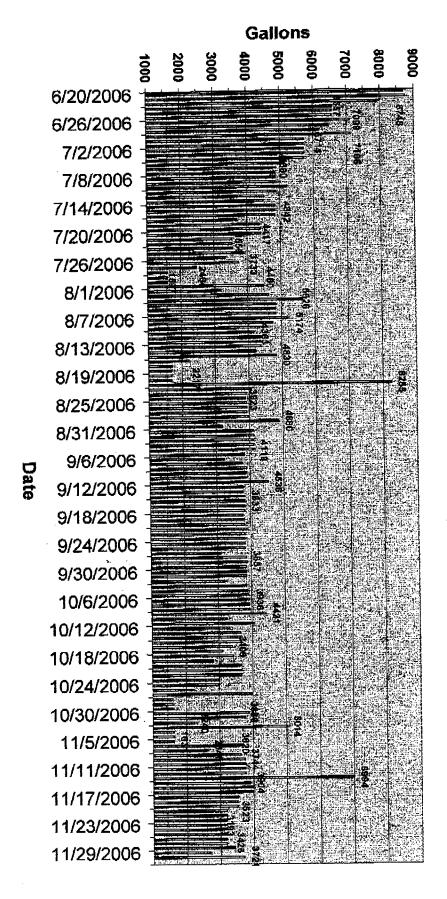
Sample No.	Sample Type	Sample Date	Oil and Grease Hydrocarbons (HEMSGT)	BTEX	Chromium	Nickel
1172806	System Influent	7/28/06	ND<5.0	ND < 0.0005	0.0016	0.0065
E272806	System Effluent	7/28/06	ND<5.0	ND<0.0005	ND<0.0005	0.028
1183106	System Influent	8/31/06	ND < 5.0	ND<0.0005	ND<0.0005	0.0057
E183106	System Effluent	8/31/06	ND < 5.0	ND<0.0005	0.0012	0.0096
11100906	System Influent	10/09/06	ND<5.0	ND<0.0005	ND<0.005	0.0058
E1100906	System Effluent	10/09/06	ND < 5.0	ND<0.0005	ND<0.005	0.0073
11110806	System Influent	11/08/06	ND < 5.0	ND<0.0005	ND<0.005	0.0055
E1110806	System Effluent	11/08/06	ND < 5.0	**ND <0.0005	ND <0.005	0.013
EBMUD Per	mitted Daily Max	Concentration	100	0.005	2	5

Notes:

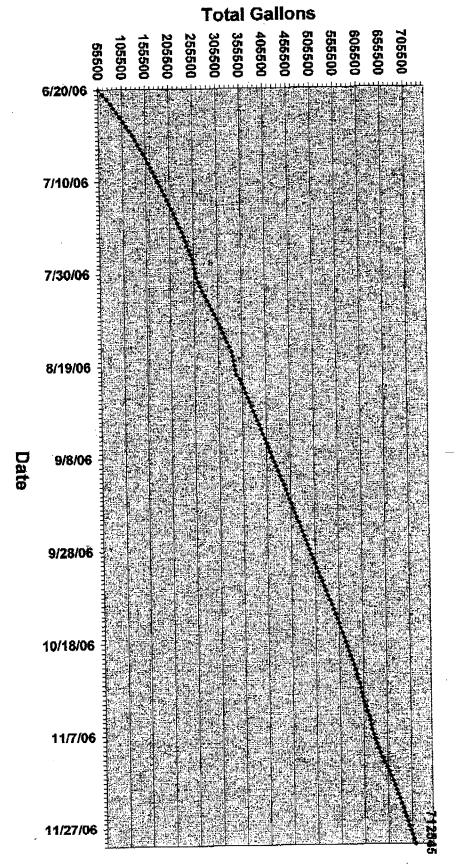
HEMSGT =Hexane Extractable Materials with Silica Gel Clean Up BTEX =Benzene, Toluene, Ethylbenzene and Xylenes Concentrations are in milligrams per liter (mg/L), unless otherwise noted.







Gallons Removed per Day



Total Gallons Pumped Out of Site

McCampbell Analytical, Inc.

"When Quality Counts"

*all usa	Extractable Material with Silica Gel Cl	anexaH
Date Analyzed 10/11/06	Client P.O.:	
Date Extracted 10/09/06	Client Contact: Eric Olson	Emeryville, CA 94608
Date Received: 10/09/06	20 MINIMI	1466 66th Street
Date Sampled: 10/09/06	Client Project ID: #0387; 2100 Franklin St.	RGA Environmental

**************************************	5.
Texane extractable material with Sinca Get Clean Up"	

SS %	DE Lger: 061	HEWSG.L MORKS	Analytical metho	Client ID	Extraction method: E1664
V/N	Ī	ИВ	M	90600111	A100-1810190
V/N	I	М	M	E1100906	A200-1810190
da 1000000000000000000000000000000000000					
~					

ΨN	ΨN	S	above the reporting limit
7/ 3 m	0.2	M	Reporting Limit for DF =1; MD means not detected at or

* water samples and all TCLP & SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in mg/wipe, product/oil/non-aqueous liquid samples in mg/L.

DF = dilution factor (may be raised to dilute target analyte or matrix interference).

surrogate diluted out of range or not applicable to this sample.

g) sample extract repeatedly cleaned up with silica gel until constant IR result achieved; h) a lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) results are reported on a dry weight basis.

Angela Rydelius, Lab Manager

DHS ELAP Certification Nº 1644

McCampbell Analytical, Inc.



Comments

"When Quality Counts"

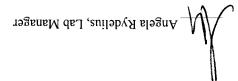
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				104	102			:ESS%	
			86	66		-	:7SS%		
				103	104			:1SS%	
		•	(%)	gate Recoveries	Surro				
c .0	ΑN			ND	MD			Xylenes	
c .0	٧N			ND	ND			Toluene	
£.0	ΑN			ND	ND			Ethylbenzene	
٥.5	ΑN			ND	ND	ND		Benzene	
Л\g.ц	ng/kg		Concentration				Compound		
M	S			I	I		DŁ		
				M	M		xirtsM		
	Reporting PP			E1100300	90600	H	Client ID		
				O200-1810190	D100-181	0190	Lab ID		
1810190	Work Order:			lytical Method: E624				Extraction Method: E624	
			and GC/MS *	T&A yd esineg	O alitalo	Δ			
ite Analyzed: 10/11/06		Date Analyzed:		Client P.O.:					
90/11/01		Date Extracted	u	ontact: Eric Olso	Client Co			Emeryville, CA 94608	
	90/60/01	Date Received:		າດ	Franklin			1466 66th Street	
	90/60/01	Date Sampled:	9017:	oject ID: #0387				RGA Environmental	
	Cympo Cympo Llund								

^{*} water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit, NA means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to be one standard reporting limit due to variable Encore sample weight; m) reporting limit the sample weight; m) results are reported on a dry weight basis; p) see attached narrative.



Web: www.inccampbell.com E-mail: main@mccampbell.com Telephone: 877-252-9269 Fax: 925-252-9269 1534 Willow Pass Road, Pittsburg, CA 94565-1701

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"When Quality Counts"

	Client P.O.:	Date Analyzed: 10/10/06
Emeryville, CA 94608	Client Contact: Eric Olson	Date Extracted 10/09/06
1466 66th Street	Franklin St.	Date Received: 10/09/06
RGA Environmental	Client Project ID: #0387; 2100	Date Sampled: 10/09/06

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	reservation across in a skill						
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V/N	I	€.7	ND	DISS.	M	E1100906	BZ00
∀/N	T INTERNATION	8.2	MD	DISS.	М	90600111	8100
SS %	DĿ	Nickel	Chromium	Extraction	хітіяМ	Client ID	Lab ID

soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter. *water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L,

 $\forall N$

0.8

means surrogate diluted out of range; MD means not detected above the reporting limit; N/M means not applicable to this sample or instrument.

LLFC

DISS'

p) see attached narrative. metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient ample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrrogate recovery, caused by matrix interference; m) results are reported on a dry weight basis; i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TTLC

Angela Rydelius, Lab Manager

0.8

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J/g4

DHS ELAP Certification Nº 1644

above the reporting limit

ND means not detected at or

Reporting Limit for DF = I;

OC SUMMARY REPORT FOR E1664A

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0610181

EPA Method: E1664A	Extraction: E1664A_SG					BatchID: 24054 Spiked				d Sample ID: N/A			
Analysis	Sample	Spiked	мѕ	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	А	cceptan	ce Criteria (%	%)	
Analyte	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD	
HEMSGT	N/A	200	N/A	N/A	N/A	102	105	2.67	N/A	N/A	70 - 130	30	

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 24054 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0610181-001A	10/09/06	10/09/06	10/11/06 1:20 PM	0610181-002A	10/09/06	10/09/06	10/11/06 1:25 PM

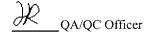
MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate therefore unable to comply with method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



QC SUMMARY REPORT FOR E624

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0610181

EPA Method: E624	E	xtraction	: E624			Batchli	D: 24183		Spiked Sample ID: 0610178-003C			
	Sample	Sample Spiked MS MSD MS			MS-MSD	LCS	LCSD	LCS-LCSD	A	cceptan	ce Criteria (%	%)
Analyte	μg/L	μg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Benzene	ND<500	10	NR	NR	NR	113	111	1.39	70 - 130	30	70 - 130	30
Chlorobenzene	ND	10	NR	NR	NR	95	95.6	0.676	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND<500	10	NR	NR	NR	99.8	95.7	4.26	70 - 130	30	70 - 130	30
Toluene	ND<500	10	NR	NR	NR	105	105	0	70 - 130	30	70 - 130	30
Trichloroethene	ND	10	NR	NR	NR	83.2	83.2	0	70 - 130	30	70 - 130	30
%SS1:	107	10	-110	112	1.70-	105 -	103	2.16	70 - 130	30	70 - 130	30
%SS2:	96	10	101	105	3.22	97	97	0	70 - 130	30	70 - 130	30
%SS3:	97	10	103	103	0	102	100	1.56	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 24183 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0610181-001C	10/09/06		10/11/06 12:57 AM		10/09/06	10/11/06	10/11/06 1:42 AM

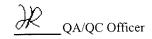
MS = Matrix Spike, MSD = Matrix Spike Duplicate, LCS = Laboratory Control Sample, LCSD = Laboratory Control Sample Duplicate, RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



QC SUMMARY REPORT FOR E200.7

W.O. Sample Matrix: Water

NONE

QC Matrix: Water

WorkOrder: 0610181

EDA Mathada E200 7		Extraction: E200.7 BatchID: 24072 Spiked Sample ID: N/A										
EPA Method: E200.7	Sample Spiked MS MSD MS-MSD				T	LCSD	LCS-LCSD	A	cceptan	ice Criteria (%	%)	
Analyte	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Chromium	N/A	100	N/A	N/A	N/A	89.9	89.9	0	N/A	N/A	85 - 115	20
Nickel	N/A	100	N/A	N/A	N/A	93.1	90	3.46	N/A	N/A	85 - 115	20
%SS:	N/A	750 -	N/A	N/A	N/A	104	100	4.04	N/A	N/A	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

BATCH 24072 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0610181-001B	10/09/06	10/09/06	10/10/06 2:00 PM		10/09/06	10/09/06	10/10/06 2:05 PM

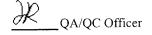
MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content





RGA Environmental, Inc. 1466 - 66th St Emeryville, CA 94608 510-658-4363 510-834-0152 fax paul.king@rgaenv.com pepale oldici81

CHAIN OF CUSTODY RECORD

PROJECT NAME: PROJECT NUMBER: 2100 Franklin 57. 0387 SAMPLED BY: (PRINTED AND SIGNATURE) REMARKS SAMPLE LOCATION DATE TIME TYPE SAMPLE NUMBER Ŷ ICE Normal Turnaront 10 9-16 water Influent waren I1100906 EFFLUENT WOTER E1100906 DECHLORINATED IN LA PRESERVATION TOTAL HO. OF SAMPLES LABORATORY: RECEIVED BY: (SIGNATURE) RELINOUISHED BY: (SIGNATURE) DATE/ TIME (THES SHEWENT) TOTAL NO. DE CONTAMERS 16 Mc Campbell And 7100 LABORATORY CONTACT: LABORATORY PHONE NUMBER: RETINOMISHED BY SIGNATURE) RECEIVED BY: (SIGNATURE) Angela Rydelius (925)252 9262 SAMPLE ANALYSIS REQUEST SHEET RECEIVED FOR LABORATORY BY: RELINQUISHED BY: (SIGNATURE) ATTACHED: ()YES K)NO (SIGNATURE) REMARKS: VOAs preserved we Hel please Filter-preserve containers perur to Analysis

McCampbell Analytical, Inc.

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

1534 Willow Pass Rd Pittsburg, CA 94565-1701 (925) 252-9262

RGA Environmental

Emeryville, CA 94608

1466 66th Street

Report to:

Eric Olson

ClientID: RGAE WorkOrder: 0610181 HardCopy ThirdParty Email EDF Fax 5 days Requested TAT: Bill to: Accounts Payable Email: **RGA Environmental** FAX: (510) 547-1983 TEL: (510) 547-7771 10/09/2006 Date Received: 1466 66th Street ProjectNo: #0387; 2100 Franklin St. Date Printed: 10/09/2006 Emeryville, CA 94608

								Rec	quested	Tests	(See le	gend b	elow)			
Sample ID	ClientSamplD	Matrix	Collection Date	Hold	1	2	3	4	5	6	7	8	9	10	1.	1 12
į !						·					· · · · · · · · · · · · · · · · · · ·					
0610181-001	I1100906	Water	10/9/06	∐ ∐ <u> </u>	Α	С	В	В								
0610181-002	E1100906	Water	10/9/06		Α	С	В	В					<u>L</u>			

Test Legend:

rear Legeno.				
1 1664A_SG_W	2 624_W	3 METALS_DISS	4 PRDISSOLVED	5
6	7	8	9	10

Prepared by: Melissa Valles

Comments:

McCampbell Analytical, Inc. "When Quality Counts"

RGA Environmental	Client Project ID: #0387; 2100 Franklin	Date Sampled: 11/08/06
1466 66th Street	St.	Date Received: 11/08/06
F 21 (VA 04/08)	Client Contact: Eric Olson	Date Extracted: 11/08/06
Emeryville, CA 94608	Client P.O.:	Date Analyzed 11/14/06

Hexane Extractable Material with Silica Gel Clean Up*

Extraction method: E1664	A_SG	Analytical metho	ods: E1664A	Work Order:	0611188
Lab ID	Client ID	Matrix	HEMSGT	DF	% SS
0611188-001A	11110806	W	ND	1	N/A
0611188-002A	E1110806	W	ND	1	N/A
			1 1 21 21 21 21		
	discount of the second of the				-
			A-90-		
			100		

Reporting Limit for DF =1;	W	5.0	mg/L
ND means not detected at or above the reporting limit	S	NA	NA

^{*} water samples and all TCLP & SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in mg/wipe, product/oil/non-aqueous liquid samples in mg/L.

DF = dilution factor (may be raised to dilute target analyte or matrix interference).

surrogate diluted out of range or not applicable to this sample.

g) sample extract repeatedly cleaned up with silica gel until constant IR result achieved; h) a lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than \sim 1 vol. % sediment; j) results are reported on a dry weight basis.

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

1534 Willow Pass Road, Pittsburg, CA 94565-1701 Web: www.mccampbell.com E-mail: main@mccampbell.com Telephone: 877-252-9262 Fax: 925-252-9269

	Environmental		roject II	D: #0387; 2	2100 Franklin	Date Sampled: 11/08/06						
1466 6	6th Street	St.				Da	nte Received: 11/08	/06				
Emone	ville, CA 94608	Client C	ontact:	Eric Olson	1	Dε	ate Extracted: 11/08	/06				
Emery	vinc, CA 74000	Client P	.O.:			Date Analyzed: 11/13/06						
		1000	l	Metals*		•		·				
Extraction	method E200.7			cal methods E				rder: 0611	1188			
Lab ID	Client ID		Matrix	Extraction	Chromium		Nickel	DF	% SS			
001B	I1110806	W	DISS.	ND		5.5	1	N/A				
002B	E1110806		w	DISS.	ND		13	1	N/A			
							:					
	Reporting Limit for DF =1;		w	DISS.	5.0		5.0	μg∕	L			
ND m	eans not detected at or above the reporting	g limit	S	TTLC	NA		NA	NA				

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in μg/wipe, filter samples in μg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TTLC metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

Secret Secret	"when Quality	Journs			retephone.	377-232-3202 Tax. 325		
RGA Environmental				oject ID: #0387; 2	2100 Franklin	Date Sampled:	11/08/06	
1466 66th Street			St.			Date Received:	11/08/06	
T			Client Co	ontact: Eric Olson	n	Date Extracted:	11/10/06	
Emeryville, CA 94608			Client P.	O.:	11/10/06			
			Bte	x by P&T and GO	C/MS*			
Extraction Method: E624			Anal	ytical Method: E624			Work Order:	0611188
	Lab ID	06111	88-001C	0611188-002C				
And the second s	Client ID	III	10806	E1110806				g Limit for F = 1
	Matrix		W	W				
in s	DF		ľ	l		-	s	· w
Compound					ug/kg	μg/L		
Benzene			ND	ND			NA	0.5
Ethylbenzene			ND	ND			NA	0.5
Toluene			ND	ND			NA	0.5
Xylenes			ND	ND			NA	0.5
			Surr	ogate Recoveries	s (%)			
%SS1:			101	101				
%SS2:			94	93				
%SS3:			88	89				
Comments								
***************************************			-1/1 1 1	1:1 1 1	L		1 11 77	OLD 6 ODLD

^{*} water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

[#] surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

QC SUMMARY REPORT FOR E1664A

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0611188

EPA Method: E1664A	E	xtraction	: E1664A	_sg		BatchID: 24665 Spiked Sample ID: N/A						
Analyte	Sample	Spiked	MS	MSD	MS-MSD	D LCS LCSD LC		LCS-LCSD	LCSD Acceptance Criteria			
Analyte	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
HEMSGT	N/A	200	N/A	N/A	N/A	110	110	0	N/A	N/A	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

BATCH 24665 SUMMARY

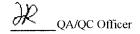
Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0611188-001	11/08/06	11/08/06	-11/14/06-2:38-PM	-0611188-002	11/08/06	11/08/06	11/14/06-2:43 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate therefore unable to comply with method.



QC SUMMARY REPORT FOR E624

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0611188

EPA Method E624	E	xtraction	E624			Batchil	D: 24718	5	Spiked San	nple ID	: 0611206-0)06a		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)					
, mary co	μg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD		
Benzene	ND	10	125	125	0	126	124	2.15	70 - 130	30	70 - 130	30		
Chlorobenzene	ND	10	108	107	0.619	107	108	1.57	70 - 130	30	70 - 130	30		
1.1-Dichloroethene	ND	10	127	128	0.639	128	126	1.46	70 - 130	30	70 - 130	30		
Toluene	ND	10	117	119	1.88	120	121	0.873	70 - 130	30	70 - 130	30		
Trichloroethene	ND	10	98.9	97.3	1.71	94.9	95.7	0.797	70 - 130	30	70 - 130	30		
%SS1:	102	10	102	100	1.22	100	99	1.62	70 - 130	30	70 - 130	30		
%SS2:	93	10	97	96	1.02	98	99	1.71	70 - 130	30	70 - 130	30		
%SS3:	88	10	96	96	0	97	97	0	70 - 130	30	70 - 130	30		

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

BATCH 24718 SUMMARY

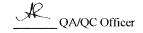
Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0611188-001	11/08/06	11/10/06	11/10/06 5:39 AM	0611188-002	11/08/06	11/10/06	11/10/06 6:22 AM

MS = Matrix Spike, MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample, LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.



QC SUMMARY REPORT FOR E200.7

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0611188

EPA Method: E200.7	Method: E200.7 Extraction: E200.7						BatchID: 24676 Spiked Sample ID: 0611133-						
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Ad	ceptan	ce Criteria (º	%)	
Analyte	μg/L	μg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD	
Chromium	ND	100	98	98	0	101	98	3.12	75 - 125	20	85 - 115	20	
Nickel	ND	100	101	108	6.71	97.5	96.6	0,876	75 - 125	20	85 - 115	20	
%SS:	113	750	111	115	3.67	116	120	3.25	70 - 130	20	70 - 130	20	

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

BATCH 24676 SUMMARY

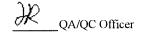
Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0611188-001	11/08/06	11/08/06	1/13/06 10:32 AM	0611188-002	11/08/06	11/08/06	1/13/06 10:37 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.





RGA Environmental, Inc., 1466 - 88° St. Emeryville, CA 94608 510-858-4963 510-834-9152 (ax. paul.king@rgaenv.com

RAPE 061188

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1 PROJECT NAME: PROJECT MUMBER 0387 72/00 Franklin 57 SAMPLED BY (PRINTED AND SIGHATURE) REMARKS Fred Olsen > 90 SAMPLE LOCATION THE TYPE SAMPLE MUMBER DATE Normal TUMBERANI Toffeer woren 31 - GraiG 57770 A. Y. WESTER £1110806 MERC. TOTAL HIS OF SHIPTIES (DES TREPHENT) THE RECOVER BY: (SIGNATURE) RELIKBORSHID BY: (SICHATURE) LABORATORY. DATE. M. Gamphall Jany 10-1 TIME REDEVED BY: (SIGNATURE) LABORATORY CONTACT: LABORATORY PHONE HUMBER: HELDMANISHED TIME (SICHATURE) DATE 1925 1252 9267 SAMPLE ANALYSIS NEGUEST SHEET RECEIVED FOR LABORATORY BY: RÉLINOUISHEO BY: (SICHATURE) DAG ATTACHED ()YES ()NO (SCHATURE) REMARKS: JOAS JAMPILLS PUTSHOOM WITHOUT from Electorism 300 at pay timple from to kindy of

McCampbell Analytical, Inc.

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

1534 Willow Pass Rd

Pittsburg, CA 94565 (925) 252-9262	-1701					Wor	rkO	rder:	061	1188		Clien	tID:	RGA	Æ				
				☐ EDF] Fax	(✓ En	nail		∏На	ardCop		Third	JPart		
Report to: Eric Olson RGA Environmental 1466 66th Street Emeryville, CA 94608			510) 547-77 ‡0387; 2100 l		547-1	98	Ві	RG 14	counts 3A Env 66 66t neryvill	rironm h Stre	ental				Da	te Rec	d TAT: eived nted:	11/08	
												ed Test	ts (S		end be	elow)			
Sample ID	ClientSampID		Matrix	Collection Date	Hold	1	_L	2	3	4	5	6		7	8	9	10	11	12
0611188-001	l1110806		Water	11/8/2006		Α	Т	С	В	В		Т				•	T	T	T
0611188-002	E1110806		Water	11/8/2006		A		С	В	В							 	 	
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Comments:	12														Prepa	red by:	Rosa	Venega	18
Comments.																			

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.



February 7, 2007 Report 0387.R5

Ms. Mirtha Ninayahuar East Bay Municipal Utility District 375 11th Street Oakland, CA 94607

SUBJECT:

WASTEWATER DISCHARGE TECHNICAL REPORT

FOR NOVEMBER AND DECEMBER 2006

2100-2150 Franklin Street

Oakland, CA

Dear Ms. Ninayahuar:

RGA Environmental, Inc. (RGA) is pleased to present this report documenting the operation of the wastewater treatment system and wastewater discharge from the subject site to the East Bay Municipal Utility District (EBMUD) treatment plant. This report is for the period of November and December, 2006. The samples were collected on November 30, 2006 and December 18, 2006. A Site Location Map (Figure 1) and a Site Plan (Figure 2) showing the location of the treatment system and the discharge point are attached to this report.

BACKGROUND

The construction of a high-rise office building is presently ongoing at the site. In order to dewater the excavation for the construction site and simultaneously treat potentially impacted groundwater, Wastewater Discharge Permit number 5059598 1 was obtained from EBMUD, effective June 7, 2006. On October 20, 2006, the settling tank was covered with a tarp to reduce algae growth. A dramatic reduction in algae growth after the covering of the settling tank with a tarp shows that it was an effective strategy to reduce algae growth in the settling tank. On October 27, 2006 the use of the system pre-filter was discontinued because the algae growth problem had been mitigated by covering the tank with a tarp. All previous samples showed no analytes in excess of the discharge limitations.

FIELD ACTIVITIES

1466 66th Street

The wastewater treatment system became operational on June 15, 2006. Except for a few instances of temporary shutdown due to clogged filters or malfunctioning pump switches, the system has operated continuously since the startup date. Operational changes and required monthly totalizer readings are summarized in Table 1. System influent and effluent samples were collected on February, 7, 2007 Report 0387.R5

November 30, 2006 and December 18, 2006. The system influent sample was collected on November 30, 2006 from a sample port located between the settling tank and the pre-filter, and on December 18, 2006 at the sampling port located between the settling tank and the carbon drum manifold. System effluent samples were collected from a sample port at the discharge point to the sanitary sewer. The samples were collected in 500-milliliter polyethylene bottles, one-liter amber bottles containing hydrochloric acid, and 40-milliliter glass Volatile Organic Analysis (VOA) vials containing hydrochloric acid preservative and sealed with Teflon-lined screw caps. The VOAs were overturned and tapped to ensure that air bubbles were not present. The sample bottles were labeled and stored in a cooler with ice pending delivery to the McCampbell Analytical of Pittsburg, California. Chain of custody procedures were observed for all sample handling.

LABORATORY ANALYSIS

The influent and effluent water samples collected from the treatment system were analyzed for oil and grease hydrocarbons by Hexane Extractable Materials with Silica Gel Clean Up (HEM-SGT) EPA Method 1664A, for benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 624, and for Chromium and Nickel by EPA Method 200.8. The EBMUD Table of Approved Test Methods lists EPA Method 200.7 as being the approved method for metals, but Molly Ong of EBMUD approved Method 200.8 as an acceptable alternative.

The laboratory analytical results of the influent and effluent water samples show that no oil and grease hydrocarbons and no BTEX compounds were detected. Chromium was not detected in any of the samples and nickel was detected in all of the samples at concentrations below the EBMUD daily maximum concentration as specified in the Wastewater Discharge Limitations section of the Wastewater Discharge Permit. Laboratory results for the influent and effluent water samples are summarized in Table 2.

DISCUSSION AND RECOMMENDATIONS

The results of the influent and effluent water samples collected from the treatment system show that no sampling parameters have exceeded the daily maximum concentrations as specified in the Wastewater Discharge Limitations section of the EBMUD Wastewater Discharge Permit. Both samples collected on November 30, 2006 and December 18, 2006 showed no analytes in excess of the discharge limitations. The wastewater treatment system has operated in accordance with the conditions specified in the EBMUD permit. RGA recommends that the treatment system operation continue at the subject site.

LIMITATIONS

The content and conclusions provided by RGA in this assessment are based on information collected during our investigation, which may include, but not be limited to, visual site inspections; interviews with the site owner, regulatory agencies and other pertinent individuals; review of available public documents; and our professional judgment based on said information at the time of preparation of this document. Any sample results and observations presented herein are considered to be representative of the area of investigation. If future conditions are revealed which vary from these findings, the newly revealed conditions must be evaluated and may invalidate the findings of this report.

This report is issued with the understanding that it is the responsibility of the owner, or his representative, to ensure that the information contained herein is brought to the attention of the appropriate regulatory agencies, where required by law. Additionally, it is the sole responsibility of the owner to properly dispose of any hazardous materials or hazardous wastes left onsite, in accordance with existing laws and regulations.

This report has been prepared in accordance with generally accepted practices using standards of care and diligence normally practiced by recognized consulting firms performing services of a similar nature. RGA is not responsible for the accuracy or completeness of information provided by other individuals or entities, which is used in this report. This report presents our professional judgment based upon data and findings identified in this report and interpretation of such data based upon our experience and background, and no warranty, either express or implied, is made. The conclusions presented are based upon the current regulatory climate and may require revision if future regulatory changes occur.

CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction and supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

February, 7, 2007 Report 0387.R5

Should you have any questions, please do not hesitate to contact us at (510) 658-4363.

Sincerely,

RGA Environmental, Inc.

and M-Xing For

Kenneth Pilgrim Project Manager

David M. Gibbs

Professional Geologist #7804

Expires: 2/28/07

Attachments: Table 1 - Summary of Operational Changes and Totalizer Readings, Wastewater

Treatment System

Table 2 - Summary of Laboratory Analytical Results, Treatment System Water

Samples

Figure 1 - Site Vicinity Map

Figure 2 - Site Plan

Laboratory Analytical Reports and Chains of Custody Documentation

PHK/dmg/fjo 0387.R5

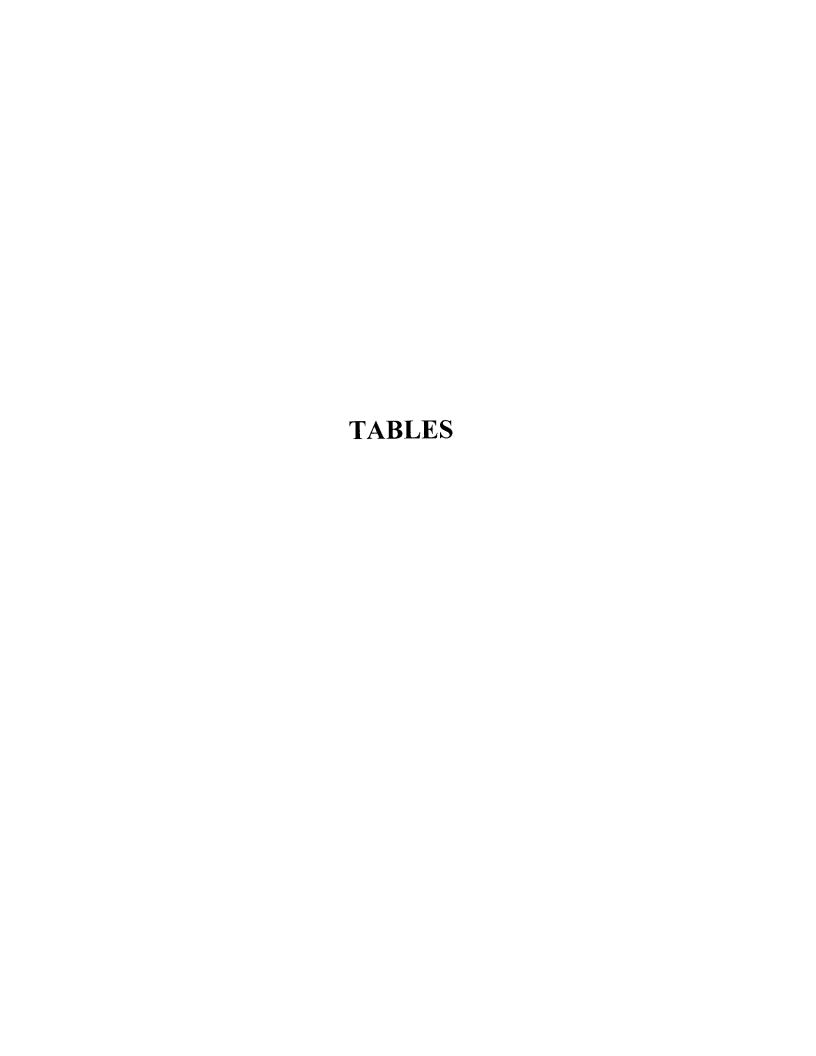


TABLE 1 SUMMARY OF OPERATIONAL CHANGES AND TOTALIZER READINGS WASTEWATER TREATMENT SYSTEM

Date	System Conditions
6/15/06	System startup
7/15/06	Cumulative gallons discharged = 204,654
8/18/06	System maintenance: pre-filter cartridge replacement
8/15/06	Cumulative gallons discharged = 328,225
9/8/06	System maintenance: pre-filter cartridge replacement
9/15/06	Cumulative gallons discharged = 445,025
10/15/06	Cumulative gallons discharged = 555,500
10/20/06	System maintenance: settling tank covered with a tarp
10/27/06	System maintenance: pre-filter taken off-line
11/15/06	Cumulative gallons discharged = 655,500
12/11/06	Cumulative gallons discharged = 743,895

TABLE 2 SUMMARY OF LABORATORY ANALYTICAL RESULTS TREATMENT SYSTEM WATER SAMPLES

Sample No.	Sample Type	Sample Date	Oil and Grease Hydrocarbons (HEMSGT)	BTEX	Chromium	Nickel
1172806	System Influent	7/28/06	ND<5.0	ND<0.0005	0.0016	0.0065
E272806	System Effluent	7/28/06	ND<5.0	ND<0.0005	ND<0.0005	0.028
1183106	System Influent	8/31/06	ND<5.0	ND<0.0005	ND<0.0005	0.0057
E183106	System Effluent	8/31/06	ND<5.0	ND<0.0005	0.0012	0.0096
11100906	System Influent	10/09/06	ND<5.0	ND<0.0005	ND<0.005	0.0058
E1100906	System Effluent	10/09/06	ND<5.0	ND<0.0005	ND<0.005	0.0073
I1110806	System Influent	11/08/06	ND<5.0	ND<0.0005	ND<0.005	0.0055
E1110806	System Effluent	11/08/06	ND<5.0	ND<0.0005	ND<0.005	0.013
11113006	System Influent	11/30/06	ND<5.0	ND<0.0005	ND<0.005	0.0054
E1113006	System Effluent	11/30/06	ND<5.0	ND<0.0005	ND<0.005	0.0064
I1121806	System Influent	12/18/06	ND<5.0	··ND<0:0005	0.0099	0.0060
E1121806	System Effluent	12/18/06	ND<5.0	ND<0.0005	ND<0.005	0.0094
EBMUD Permitted Daily Max Concentration			100	0.005	2	5

Notes:

HEMSGT = Hexane Extractable Materials with Silica Gel Clean Up

BTEX = Benzene, Toluene, Ethylbenzene and Xylenes

Concentrations are in milligrams per liter (mg/L), unless otherwise noted.

TABLE 1 SUMMARY OF OPERATIONAL CHANGES AND TOTALIZER READINGS WASTEWATER TREATMENT SYSTEM

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TABLE 2 SUMMARY OF LABORATORY ANALYTICAL RESULTS TREATMENT SYSTEM WATER SAMPLES

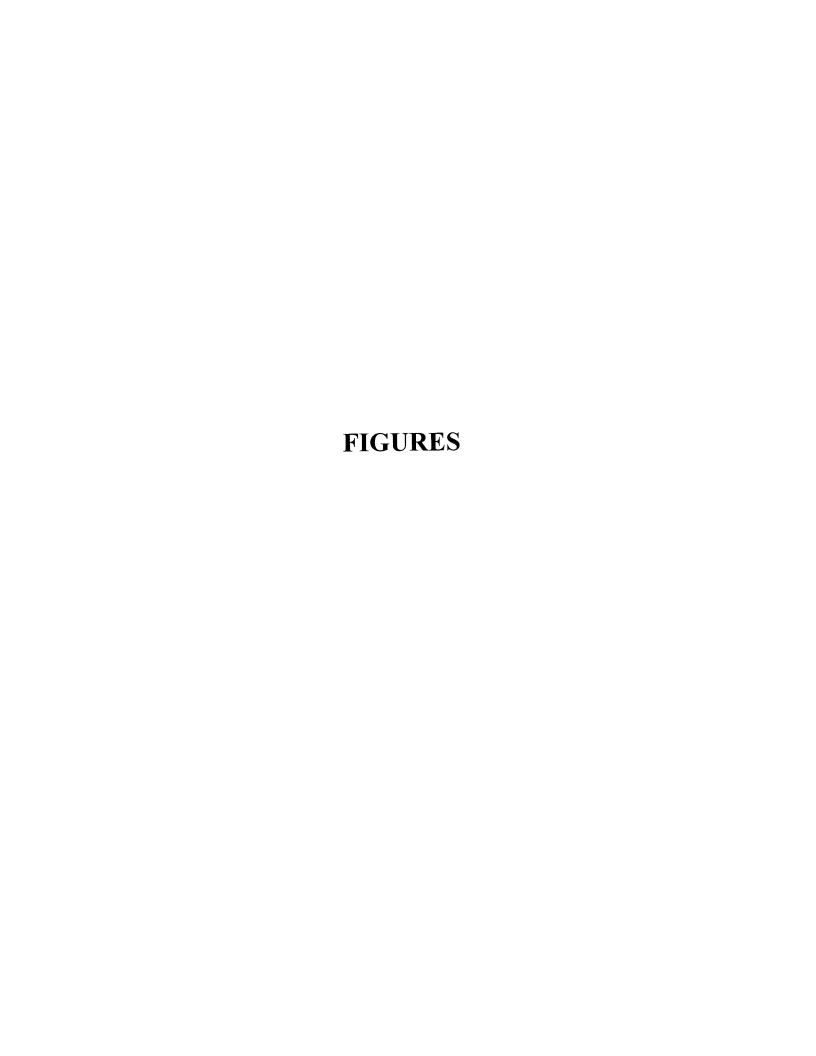
Sample No.	Sample Type	Sample Date	Oil and Grease Hydrocarbons (HEMSGT)	BTEX	Chromium	Nickel
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E272806	System Effluent	7/28/06	ND<5.0	ND<0.0005	ND<0.0005	0.028
I183106	System Influent	8/31/06	· ·ND<5.0	· ND<0.0005 -	ND<0.0005	0.0057
E183106	System Effluent	8/31/06	ND<5.0	ND<0.0005	0.0012	0.0096
I1100906	System Influent	10/09/06	ND<5.0	ND<0.0005	ND<0.005	0.0058
E1100906	System Effluent	10/09/06	ND<5.0	ND<0.0005	ND<0.005	0.0073
I1110806	SystemInfluent	11/08/06	ND<5.0	ND<0.0005.	ND<0.005	0.0055
E1110806	System Effluent	11/08/06	ND<5.0	ND<0.0005	ND<0.005	0.013
I1113006	System Influent	11/30/06	ND<5.0	ND<0.0005	ND<0.005	0.0054
E1113006	System Effluent	11/30/06	ND<5.0	ND<0.0005	ND<0.005	0.0064
I1121806	System Influent	12/18/06	ND<5.0	ND<0.0005	0.0099	0.0060
E1121806	System Effluent	12/18/06	ND<5.0	ND<0.0005	ND<0.005	0.0094
EBMUD Pe	ermitted Daily Ma	x Concentration	100	0.005	2	5

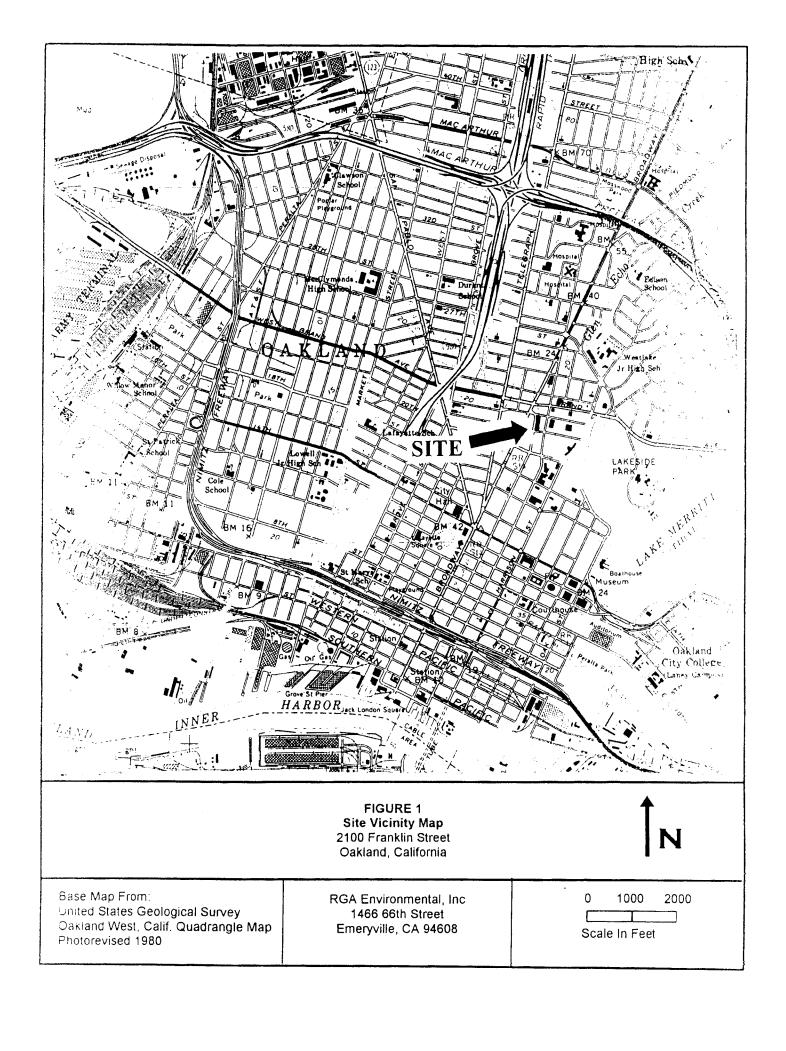
Notes:

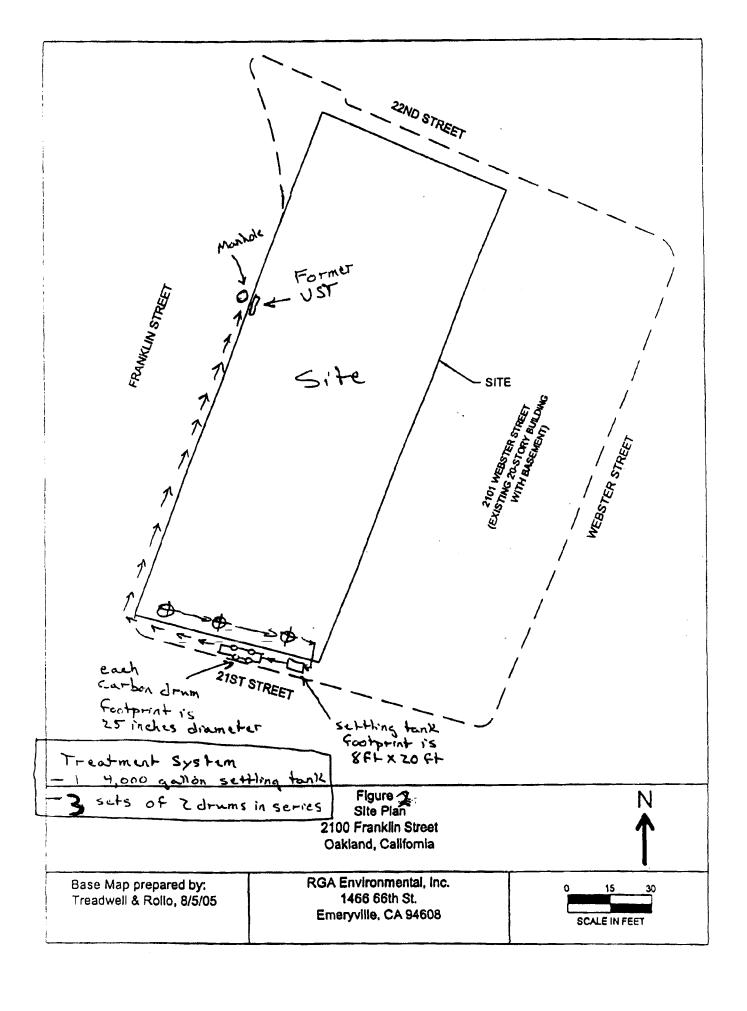
HEMSGT = Hexane Extractable Materials with Silica Gel Clean Up

BTEX = Benzene, Toluene, Ethylbenzene and Xylenes

Concentrations are in milligrams per liter (mg/L), unless otherwise noted.







LABORATORY REPORTS AND CHAIN OF CUSTODY DOCUMENTATION

RGA Environmental	Client Project ID: #BRT14039; Brandywine	Date Sampled: 11/30/06
1466 66th Street	Realty Trust	Date Received: 11/30/06
Emoravillo CA 04609	Client Contact: Eric Olson	Date Reported: 12/06/06
Emeryville, CA 94608	Client P.O.:	Date Completed: 12/06/06

WorkOrder: 0611559

December 06, 2006

Dear Eric:

Enclosed are:

- 1). the results of 2 analyzed samples from your #BRT14039; Brandywine Realty Trust project,
- 2). a QC report for the above samples
- 3). a copy of the chain of custody, and
- 4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Best regards,

Angela Rydelius, Lab Manager



RGA Environmental, Inc/4904 001/559 1466 - 66th St Emeryville, CA 94608 510-658-4363 510-834-0152 fax paul.king@rgaenv.com

CHAIN OF CUSTODY RECORD

pat	ul.king@rgaer	nv.com	-	<i></i>				`		27.2	206	· · · · · · · · · · · · · · · · · · ·		F	PAGE	OF
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McCampbell Analytical, Inc.

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

1534 Willow Pass Rd Pittsburg, CA 94565-1701 (925) 252-9262

WorkOrder: 0611559

ClientID: RGAE

EDF

Fax

Bill to:

✓ Email

HardCopy

ThirdParty

Report to:

Eric Olson

RGA Environmental

Email: TEL: (510) 547-7771

FAX: (510) 547-1983 ProjectNo: #BRT14039; Brandywine Realty Trust

Accounts Payable **RGA Environmental**

1466 66th Street

Date Received:

Requested TAT:

11/30/2006

5 days

Emeryville, CA 94608

1466 66th Street

PO:

Emeryville, CA 94608

Date Printed:

11/30/2006

					Requested Tests (See legend below)													
Sample ID	ClientSampID	Matrix	Collection Date	Hold	1	2		3	4		5	6	7	8	9	10	11	12
0611559-001	I1113006	Water	11/30/06		Α	С		В	В									Ţ
0611559-002	E1113006	Water	11/30/06		Α	С		В	В									

Test Legend:

1	1664A_SG_W	
6		
11		

2	624_W
7	
12	

3	METALS_DISS
8	

4	PRDISSOLVED
9	

5	
10	

Prepared by: Melissa Valles

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical,	Inc
"When Quality Counts"	

RGA Enviror	nmental		ct ID: #BRT14039;	Date Sampled: 11/30	/06	
1466 66th Str	reet	Brandywin	e Realty Trust	Date Received: 11/30	/06	
Emeryville, C	^A 94608	Client Cont	act: Eric Olson	Date Extracted: 11/30/06		
Efficiency vine, C	A 74000	Client P.O.:		Date Analyzed 12/01	/06	
			Material with Silica Gel Clean	=		
Extraction method Lab ID	Client ID	Ar Matrix	nalytical methods E1664A HEMSG	Work Or	der: 06 DF	11559 % SS
0611559-001A	I1113006	w	ND		1	N/A
0611559-002A	E1113006		ND		1	N/A
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Repo	orting Limit for DF =1;	w	5.0		m	g/L
ND n	means not detected at or	S	NA		 	IA

DF = dilution factor (may be raised to dilute target analyte or matrix interference).

surrogate diluted out of range or not applicable to this sample.

g) sample extract repeatedly cleaned up with silica gel until constant IR result achieved; h) a lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) results are reported on a dry weight basis.

Angela Rydelius, Lab Manager

^{*} water samples and all TCLP & SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in mg/wipe, product/oil/non-aqueous liquid samples in mg/L.

	"When Quality	Counts			r cicpitone. 8	77-232-9202 Fax. 92.	7-232-7207	
RGA Environmental	<u> </u>			oject ID: #BRT14	4039;	Date Sampled:	11/30/06	
1466 66th Street			Brandyw	vine Realty Trust		Date Received:	11/30/06	
E			Client C	ontact: Eric Olso	n	Date Extracted:	12/02/06	
Emeryville, CA 94608			Client P.	O.:		Date Analyzed	12/02/06	
		,	Volatile O	rganics by P&T	and GC/MS*			
Extraction Method: E624			Ana	lytical Method: E624			Work Order:	0611559
	Lab ID	06115	59-001C	0611559-002C				
	Client ID	I 11	13006	E1113006				Limit for =1
	Matrix		W	W				
	DF		1	l			S	w
Compound				Conce	entration		ug/kg	μg/L
Benzene			ND	ND			NA	0.5
Ethylbenzene			ND	ND			NA	0.5
Toluene			ND	ND			NA	0.5
Xylenes			ND	ND			NA	0.5
			Surr	ogate Recoveries	s (%)	- Televisia di		
%SS1:			100	99				
%SS2:			95 .	95				
%SS3:			88	88				
Comments								

^{*} water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

[#] surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

McCampbell Analytical,	Inc
"When Quality Counts"	

RGA Environmental	Client Project ID: #BRT14039;	Date Sampled: 11/30/06
1466 66th Street	Brandywine Realty Trust	Date Received: 11/30/06
Emeryville, CA 94608	Client Contact: Eric Olson	Date Extracted: 11/30/06
Linety vino, C/1 > +000	Client P.O.:	Date Analyzed: 12/01/06

			Metals*				
Extraction method E2	200.7	Analyt	ical methods E20	0.7	Work	Order: 06	11559
Lab ID	Client ID	Matrix	Extraction	Chromium	Nickel	DF	% S S
001B	I1113006	w	DISS.	ND	5.4	1	N/A
002B	E1113006	w	DISS.	ND	6.4	1	N/A
				ч.,			
	porting Limit for DF =1;	W	DISS.	5.0	5.0	μg	/L
ND means not de	etected at or above the reporting limit	S	TTLC	NA	NA	N.	A

^{*}water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in μg/wipe, filter samples in μg/filter.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TTLC metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

[#] means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or

Web: www.mccampbell.com E-mail: main@mccampbell.com

Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR E624

W.O. Sample Matrix: Water

NONE

QC Matrix: Water

WorkOrder 0611559

EPA Method E624	E	extraction	E624			Batchil	D: 24982		Spiked San	nple ID	: 0611559-0	02c
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Ad	cceptan	ce Criteria (%)
Analyte	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Benzene	ND	10	123	123	0	119	119	0	70 - 130	30	70 - 130	30
Chlorobenzene	ND	10	114	117	2.92	114	111	2.55	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND	10	125	128	2.35	120	119	0.735	70 - 130	30	70 - 130	30
Toluene	ND	10	115	119	3.21	117	114	2.91	70 - 130	30	70 - 130	30
Trichloroethene	ND	10	98.9	103	3.64	98.3	97	1.36	70 - 130	30	70 - 130	30
%SS1:	99	10	97	96	0.938	95	95	0	70 - 130	30	70 - 130	30
%SS2:	95	10	93	94	1.25	94	94	0	70 - 130	30	70 - 130	30
%SS3:	88	10	91	94	2.46	92	93	0.839	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

BATCH 24982 SUMMARY

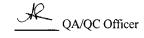
Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0611559-001	11/30/06	12/02/06	12/02/06 6:28 AM	0611559-002	11/30/06	12/02/06	12/02/06 7:12 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.



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QC SUMMARY REPORT FOR E1664A

W.O. Sample Matrix: Water

NONE

QC Matrix: Water

WorkOrder 0611559

EPA Method E1664A		Extraction	E1664A	_sg		BatchII	D: 24984		Spiked San	npie ID	: N/A	
Analyta	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	A	cceptan	ce Criteria (%)
Analyte	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
HEMSGT	N/A	200	N/A	N/A	N/A	97.7	95.2	2.52	N/A	N/A	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

BATCH 24984 SUMMARY

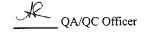
Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0611559-001	11/30/06	11/30/06	12/01/06 3:08 PM	0611559-002	11/30/06	11/30/06	12/01/06 3:13 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate therefore unable to comply with method.



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QC SUMMARY REPORT FOR E200.7

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder 0611559

EPA Method E200.7	E	Extraction	E200.7			Batchil	D: 24814		Spiked San	nple ID	: 0611362-0	01G
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	A	cceptan	ce Criteria (%)
Analyte	μg/L	μg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Chromium	ND	100	91	89	2.25	101	100	0.896	75 - 125	20	85 - 115	20
Nickel	5	100	89.8	88.4	1.44	103	99.5	3.72	75 - 125	- 20 · ·	85 - 115	20
%SS:	114	750	113	116	2.26	114	113	1.59	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

BATCH 24814 SUMMARY

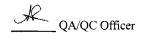
Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0611559-001	11/30/06	11/30/06	12/01/06 5:06 PM	0611559-002	11/30/06	11/30/06	12/01/06 5:11 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = <math>100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.



RGA Environmental	Client Project ID: #BRT14039; Brandywine	Date Sampled: 12/18/06
1466 66th Street	Realty Trust	Date Received: 12/18/06
D 31 CA 04600	Client Contact: Paul King	Date Reported: 12/22/06
Emeryville, CA 94608	Client P.O.:	Date Completed: 12/22/06

WorkOrder: 0612378

December 22, 2006

Dear Paul:

Enclosed are:

- 1). the results of 2 analyzed samples from your #BRT14039; Brandywine Realty Trust project,
- 2). a QC report for the above samples
- 3). a copy of the chain of custody, and
- 4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Best regards,

Angela Rydelius, Lab Manager



RGA Environmental, Inc. 1466 - 66th St Emerville, CA 94608 510-658-4363 510-834-0152 fax paul.king@rgaenv.com

CHAIN OF CUSTODY RECORD

PAGE __ OF __ PROJECT NAME: PROJECT NUMBER: BRT14039 Brandywine Realty TrusT SAMPLED BY: (PRINTED AND SIGNATURE) REMARKS Eric OSEN S'HUS SAMPLE NUMBER DATE TIME | TYPE SAMPLE LOCATION I1121806 Normal Turnarouna 11-18-06 Water E1121XX PPROPRIATE HEAD SPACE ABSE RESERVED IN LAB DECHLORINATED IN LAB DAS | ONG | METALS | DITTER PRESERVATION RELINGUISHED BY: (SIGNATURE) TOTAL NO. OF SAMPLES DATE RECEIVED BY: (SIGNATURE) LABORATORY: (THES SHIPMENT) McCampbell Andgrical TOTAL NO. OF CONTAINERS (THIS SHIPMENT) RELINQUISHED BY: (SIGNATURE) **DATE** RECEIVED BY: (SIGNATURE) DABORATORY CONTACT: LABORATORY PHONE NUMBER: ryela Rydelius (925)252 9262 V 124 SAMPLE ANALYSIS REQUEST SHEET ATTACHED: ()YES (X)NO RELINQUISHED BY: (SIGNATURE) DATE TIME RECEIVED FOR LABORATORY BY: (SIGNATURE) REMARKS: 40 M1 VOAS & 12 Ambers preserved W/ 11cl Please Filter & preserve consines prior to Anolysis

McCampbell Analytical, Inc.

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

1534 Willow Pass Rd Pittsburg, CA 94565-1701 (925) 252-9262

WorkOrder: 0612378

ClientID: RGAE

ThirdParty HardCopy EDF Fax Email Requested TAT: 5 days Bill to: Report to: Accounts Payable Email: paul.king@rgaenv.com Paul King TEL: (510) 547-7771 FAX: (510) 547-1983 **RGA Environmental** RGA Environmental Date Received: 12/18/2006 ProjectNo: #BRT14039; Brandywine Realty Trust 1466 66th Street 1466 66th Street PO: Emeryville, CA 94608 Date Printed: 12/18/2006 Emeryville, CA 94608 Requested Tests (See legend below)

		Requested Tests (See regend below)															
Sample ID	ClientSampID	Matrix	Collection Date	Hold	1	2		3	4	5	6	7	8	9	10	11	12
	İ												 			,	
0612378-001	11121806	Water	12/18/06		В	Α		Ç	С								
0612378-002	E1121806	Water	12/18/06		В	Α		С	С								

Test Legend:

1 1664A_SG_W	2 624_W	3 METALS_DISS	4 PRDISSOLVED	5
6	7	8	9	10
11	12		l e	

Prepared by: Nickole White

Comments:

McCampbell Analytical, Inc. "When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

\	When Quarty Cour	113	Totop	HOME. CTT ESE SEGE TEST	20 200 72		
RGA Environmen	ital	Client Project ID		Date Sampled:	12/18/	06	. <u> </u>
1466 66th Street		Brandywine Re	any irust	Date Received	: 12/18/	06	
Emeryville, CA 94	608	Client Contact:	Paul King	Date Extracted	Date Extracted: 12/18/06		
Emeryvine, CA 94		Client P.O.:		Date Analyzed	12/19/	06	
	Hexa		erial with Silica Gel C	lean Up*			
Extraction method: E166	4A_SG	Analytic	al methods: E1664A		Work Or	der: 061	12378
Lab ID	Client ID	Matrix	НЕ	MSGT		DF	% SS
0612378-001B	11121806	w		ND		1	N/A
0612378-002B	E1121806	W		ND		1	N/A
	-						

Reporting Limit for DF =1;	w	5.0	mg/L
ND means not detected at or above the reporting limit	S	NA	NA

^{*} water samples and all TCLP & SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in mg/wipe, product/oil/non-aqueous liquid samples in mg/L.

DF = dilution factor (may be raised to dilute target analyte or matrix interference).

surrogate diluted out of range or not applicable to this sample.

g) sample extract repeatedly cleaned up with silica gel until constant IR result achieved; h) a lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) results are reported on a dry weight basis.

Angela Rydelius, Lab Manager

	"When Quality Counts" Telephone: 877-252-9262							
RGA Environmental				oject ID: #BRT1	4039;	Date Sampled:	12/18/06	
1466 66th Street			Brandyw	vine Realty Trust		Date Received:	12/18/06	
Emeryville, CA 94608			Client C	ontact: Paul King	3	Date Extracted:	12/20/06	
Emery vine, erry 1000			Client P.	O.:		Date Analyzed:	12/20/06	
Volatile Organics by P&T and GC/MS*								
Extraction Method: E624	xtraction Method: E624 Analytical Method: E624							0612378
	Lab ID	06123	78-001A	0612378-002A				
	Client ID	I11	21806	E1121806				Limit for
	Matrix		W	W]	
	DF		1	1			S	w
Compound				Conc	entration		ug/kg	μg/L
Benzene		1	ND .	ND .	-		NĄ	0.5
Ethylbenzene		1	ND	ND			NA	0.5
Toluene		1	ND	ND			NA	0.5
Xylenes]	ND	ND			NA	0.5
			Surr	ogate Recoverie	s (%)			
%SS1:			107	108				
%SS2:			93	93				
%SS3:			94	95				
Comments		-				-	-	

^{*} water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

McCampbell	Analytical,	Inc.

1	"When Ouality Counts"					Telephone: 8	<u> 77-2:</u>	52-9262 Fax: 925-252-	9269			
RGA	Environmental				D: #BRT14		7	ate Sampled: 12/1				
1466 6	56th Street		Brandy	vine Re	ealty Trust		Da	ate Received: 12/1	8/06			
Emen	ville, CA 94608		Client Contact: Paul King					Date Extracted: 12/18/06				
Linery			Client P	.O.:			Da	ate Analyzed: 12/1	9/06			
					Metals*							
Extraction	method: E200.7				cal methods: E	200.7		Work	Order: 061	2378		
Lab ID		Client ID		Matrix	Extraction	Chromium		Nickel	DF	% SS		
001C		11121806		w	DISS.	9.9		6.0	1	N/A		
002C		E1121806		w	DISS.	ND		9.4	1	N/A		
										_		
	· · · · · · · · · · · · · · · · · · ·											
			····									
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		T										
		·										
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Reporting Limit for DF =1;	W	DISS.	5.0	5.0	μg/L
ND means not detected at or above the reporting limit	S	TTLC	NA	NA	NA

^{*}water samples are reported in $\mu g/L$, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in $\mu g/\text{mile}$ filter samples in $\mu g/\text{filter}$.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TTLC metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrrogate recovery; caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

[#] means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

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QC SUMMARY REPORT FOR E200.7

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0612378

EPA Method E200.7	E	xtraction	E200.7		BatchID: 25175					Spiked Sample ID: 0612242-001A				
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Α	cceptan	ce Criteria (%)		
Analyte	μg/L μg/L % Rec. % Rec.				% RPD	% Rec. % Rec.		% RPD	MS / MSD	RPD	LCS/LCSD	RPD		
Chromium	620	100	88.1	90.5	0.340	88	88	0	75 - 125	20	85 - 115	20		
Nickel	ND	100	99.6	91.4	8.62	90.8	91.4	0.648	75 - 125	20	85 - 115	20		
%SS:	95	750	100	99	0.630	99	99	0	70 - 130	20	70 - 130	20		

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 25175 SUMMARY

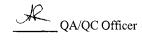
Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0612378-001	12/18/06	12/18/06	12/19/06 9:35 AM	0612378-002	12/18/06	12/18/06	12/19/06 9:40 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.



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QC SUMMARY REPORT FOR E1664A

W.O. Sample Matrix: Water ---

QC Matrix: Water

WorkOrder: 0612378

EPA Method E1664A Extraction E1664A_SG BatchID: 25254 Spiked S									piked Sar	nple ID	: N/A	
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	A	cceptan	ce Criteria (%)
Analyte	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
HEMSGT	N/A	200	N/A	N/A	N/A	105	105	0	N/A	N/A	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

BATCH 25254 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0612378-001	12/18/06	12/18/06	12/19/06 3:04 PM	0612378-002	12/18/06	12/18/06	12/19/06 3:09 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous. AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate therefore unable to comply with method.

