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9:40 am, Aug 22, 2011 Alameda County Environmental Health

Reference:

Groundwater Monitoring Report

Rodding Cleaning Services

2585 Nicholson Street, San Leandro, CA Fuel Leak Case No. RO00000020 Versar Project No. 104422.4422.007

PERJURY STATEMENT

As the Responsible Party (RP) for this Site, I declare under penalty of perjury that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge.

Fred Schifferle - Manager, Sketchley Trust

Responsible Party



July 27, 2011

Mr. Fred Schifferle Manager Sketchley Trust 2000 Clayton Road Building D Concord, California 94520-2425

Reference: Groundwater Monitoring Report June 2011

2585 Nicholson Street in San Leandro, California

ES# 305582

Versar Project No. 104422.4422.006

Dear Mr. Schifferle:

Versar, Inc. (Versar) has prepared this groundwater monitoring report on behalf the Sketchley Trust, documenting work performed at the property located at 2585 Nicholson Street in San Leandro, California (Site). Figures 1 and 2 in Attachment I, present the Site location and Site layout, respectively.

Background

A release of petroleum constituents was discovered at the Site during removal of underground storage tanks (USTs) in 1991. Subsequently, Versar and others have investigated soils and groundwater beneath the Site, and performed extensive groundwater monitoring. The results of the groundwater monitoring and data evaluation had determined constituents identified in groundwater appear to be naturally degrading over time, and to pose no risk to Site occupants in an industrial setting.

In a letter dated July 30, 2010, the Alameda County Health Care Services (ACHCS) revised the groundwater monitoring program at the Site to include the sampling of all groundwater monitoring wells and the addition of MTBE analysis on a semi-annual cycle.

June 2011 Results

Depth to groundwater measurements were recorded from monitoring wells MW-1, MW-2, MW-4 and MW-5 before being purged of three casing volumes and sampled on June 15, 2011; well MW-3 is blocked by materials and is not accessible. Current and historic analytical results from all Site monitoring wells are presented in Table 1 of Attachment I. Groundwater elevation data is presented in Table 2 of Attachment I. Monitoring well purge tables documenting field measurements during sampling are presented in Attachment II.

The groundwater samples from MW-1, MW-2, MW-4 and MW-5 were analyzed for total petroleum hydrocarbons (TPHg) and benzene, toluene, ethylbenzene, and xylenes (BTEX) and methyl-t-butyl ether (MTBE) by EPA Method 8260B. Laboratory analytical data sheets are



included in Attachment III. The methodology and protocol followed for the collection of the groundwater sample during this groundwater sampling event are presented in Attachment IV, Decontamination and Groundwater Monitoring Well Sampling Procedures.

As shown in Table 1, analytical results for TPHg and benzene in MW-1 in June 2011 have slightly decreased this monitoring event. TPHg concentrations over time appear to trend downward. TPHg was detected in well MW-2 at a concentration of 400 μ g/L, above the San Francisco Bay Regional Water Quality Control Board (RWQCB) environmental screening level (ESL) of 210 μ g/L.

Based on its upgradient position, Versar does not consider the TPHg presence in well MW-2 to be related to the Rodding Cleaning release at this time. Additionally, analytical laboratory notations associated with the TPHg results for well MW-2 and MW-4 indicate the quantitation relate to compounds atypical of gasoline.

No other constituents of concern were detected above the ESLs in the other sampled monitoring wells. The measured direction of groundwater flow appears to be southeasterly, at a gradient of 0.001; the groundwater flow direction and gradient and analytical results from June 15, 2011 are presented in Figure 3 and Figure 4, respectively, in Attachment I.

Monitoring well MW-3 was inaccessible for sampling because it is under a storage roll off container. Well MW-5 no longer has a well plug or well box lid; the casing top may also be damaged resulting in erroneous depth to water measurements.

No. 5225 Exp. 10/31/11

Versar appreciates this opportunity to provide professional environmental services to Bank of America. If you have any questions, please contact me at (916) 863-9323 and tberger@versar.com.

Prepared by:

Tim Berger, P.G. Program Manager Southwest Region

Attachment I - Figures and Tables

Attachment II - Monitoring Well Purge Table

Attachment III - Laboratory Analytical Data Reports

Attachment IV - Decontamination and Groundwater Monitoring Well Sampling Procedures

cc: Mark E. Detterman - Alameda County Environmental Health (Electronic)

John Kemp - City of San Leandro Environmental Services

Randy Muller - Bank of America

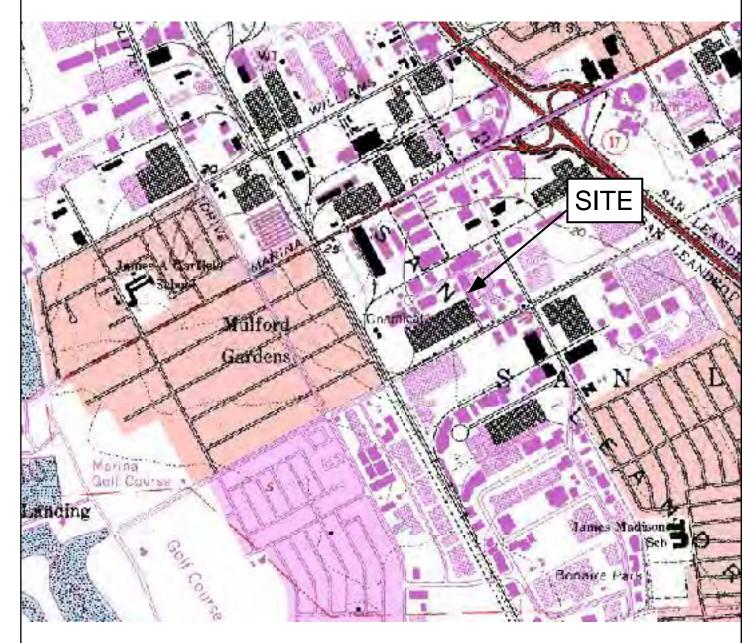
Mesha Lewis – US Trust/Bank of America



ATTACHMENT I

Figures and Tables





Ref. USGS 7.5 Minute Topographical Quadrangle Maps; San Leandro, Calif. c. 1959 Photorevised 1998

Dr. By: TWB
Date: 6/20/08

Scale: 1 inch=2,000 feet

Versar Project No. 4422-006

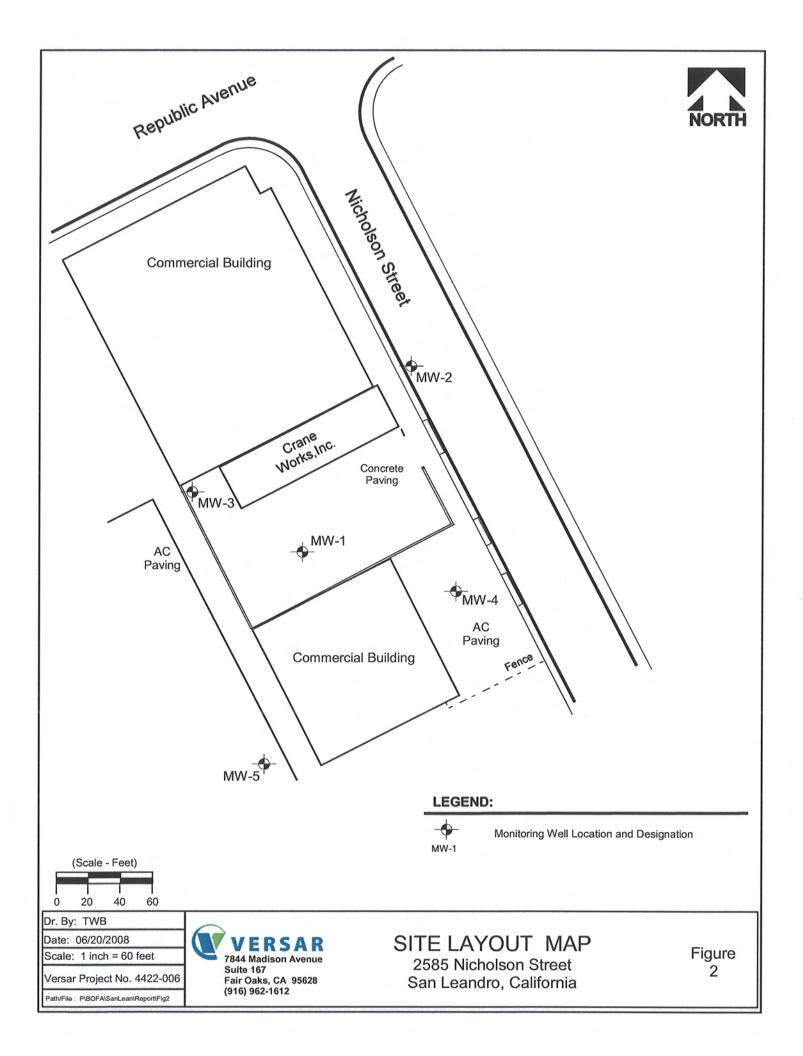
Path/File: P\BOFA\SANLEAN\REPORT\Fig1

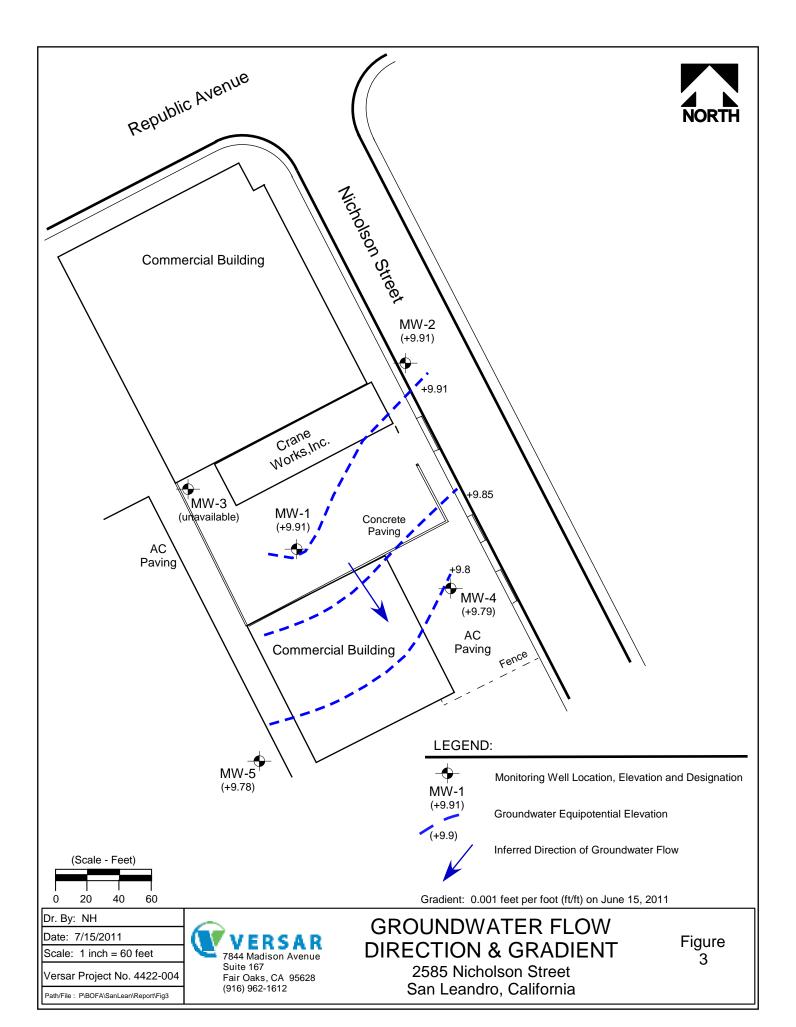


7844 Madison Avenue Suite 167 Fair Oaks, CA 95628 (916) 962-1612

SITE LOCATION

2585 Nicholson Street San Leandro, California Figure 1





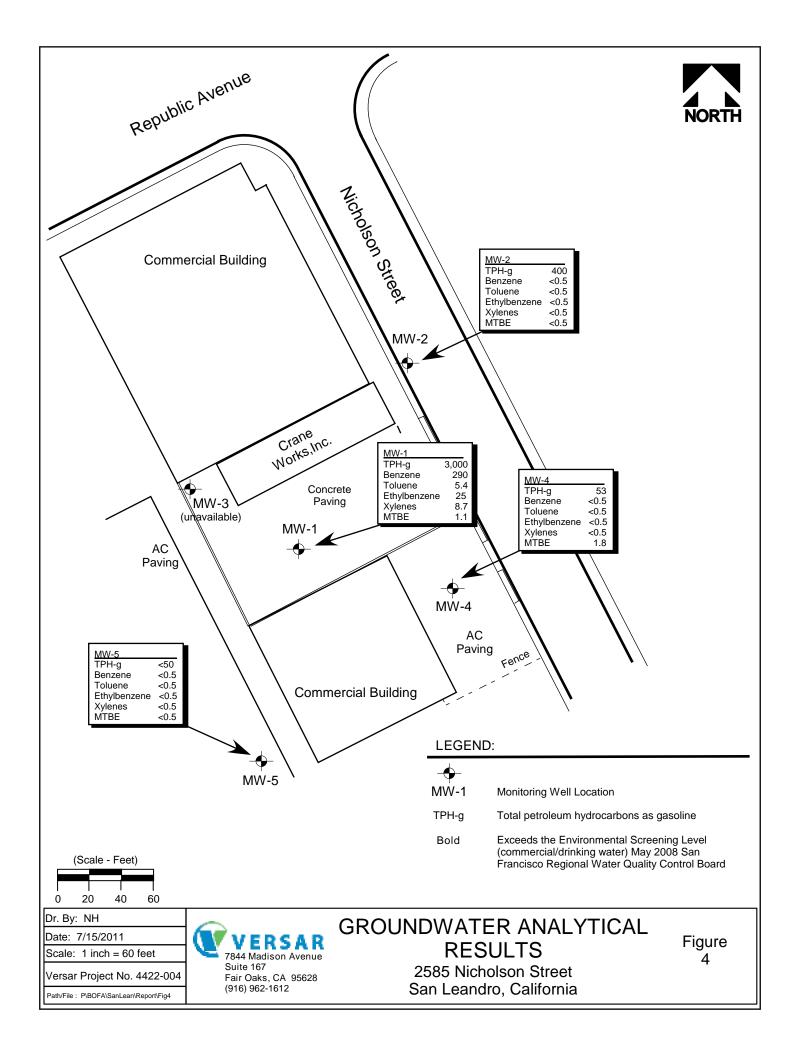




Table 1 Analytical Results for Groundwater Samples 2585 Nicholson Street San Leandro, California

March Color Part Part						Che	micals of Conc	ern (in μg/L)				
March March 1,000 Mo		Date				TPH-K	TPH-SS	Benzene			Total Xylenes (μg/L)	MTBE (μg/L)
May May					210	210	210					13
March 1,000 1,00	MW-1											
March 1,780 1,000 100		Apr-93	18,000	560	ND	ND	370	42	47	50	190	
March Marc												
Sep 1												
Dec-24 A500												
Bigs 53,000 14,000 100 100 140 140 270 250 1,100												
May 19												
Misself 3,560 1,700 282 23 40 173 737 738 7												
March 1,000 1,00		Jul-99	3,500	1,700				252	23	43	179	
Agroot 10,000												
Carlos 12,900		Apr-00	13,000					1,130	226	335	1,410	
Age												
Osciol 1,800		Jan-01	17,800					957		353	1,060	
Amenge												
May 1,000		Apr-02	3,800					380	37	80	120	
Apr-034												
May 65 2,000		Apr-04	9,600					1,200	68	410	260	
May May												
May-90												
Nov.00												
Decid 3,700												
MW-2		-	2,100					190	9.2	17	6.2	
MW-2												1.8 1.1
Octob 100	MW-2	Apr-99	ND	ND	ND			ND	ND	ND	ND	
Jan 00												
1.00		Jan-00	118					0.7	<0.5	<0.5	<0.5	
Oct-00												
Apr-61 180		Oct-00	<50					<0.5	<0.5	<0.5	<1.0	
Oct-01												
Jan-83		Oct-01										
Nov-93		•										
Nov-04												
May-05												
Nov 98												
May 09												
May-10 220						-	-	-				
MW-3 My-99 ND S40 ND ND ND ND ND ND ND N												
MW-3 Apr-99 ND S40 ND - ND ND ND ND ND Oct-99 230 -												<0.5 <0.5
Oct-99 230	MW-3	Apr-99	ND					ND	ND	ND	ND	
Jan-00 183 50 0.8 -0.5												
Juil-100		Jan-00	163					0.8	<0.5	<0.5	<0.5	
Oct 00												
Apr-01 62		Oct-00	<50					<0.5	<0.5	<0.5	<1.0	
Oct-01												
Jan-03		Oct-01				-						
Nov-03		•										
Nov-04		Nov-03		-		-	-		-	-		
May-08												
Nov-08		May-05				-						
May-09												
May-10		May-09										
MW-4												
Jul-99		Jun-11	-							-		
Oct-99	MW-4											
Apr-00 99		Oct-99	<100					<1.0	<1.0	<1.0	<1.0	
Jul-00												
Jan-01 85		Jul-00										
Apr-01 Cct-01 130												
Apr-02		Apr-01	130					<0.5	<0.5	<0.5	<0.5	
Jan-03												
Apr-04		Jan-03										
Nov-04												
May-08 Nov-08		Nov-04										
Nov-08												
Nov-09		Nov-08										
MW-5 Apr-99 270 ND ND ND ND ND ND ND N												
MW-5												1.2
Jul-99 570 <100	MW-5											1.8
Jan-00 231 1.9 <0.5		Jul-99	570	<100				<1.0	<1.0	<1.0	<1.0	
Apr-00 353 3.5 <0.5												
Oct-00		Apr-00	353					3.5	<0.5	<0.5	<0.5	
Jan-01 <50 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5												
Oct-01		Jan-01	<50					<0.5	<0.5	<0.5	<0.5	
Apr-02 Jan-03 Nov-03												
Nov-03		Apr-02		-	-							
Apr-04					-			-				
Nov-04		Apr-04										
May-08												
Nov 08		May-08							-			
Nov-08		Nov-08 May-09	-			-		-				
Nov-09		Nov-09	-									
May-10 <50 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5		-										<0.5 <0.5

Notes and Abbreviations:

- ESL = Environmental Screening Level (Commercial/Drinking Water), May 2008 San Francisco Regional Water Quality Control Board TPH-G = total petroleum hydrocarbons as gasoline.

 TPH-MO = total petroleum hydrocarbons as motor oil.

 TPH-D = total petroleum hydrocarbons as diesel.

 TPH-K = total petroleum hydrocarbons as kerosene.

 TPH-SS = total petroleum hydrocarbons as stoddard solvent.

 ug/L = micrograms per litter, equivalent to parts per billion (ppb).

 mg/L = milligrams per litter, equivalent to parts per million (ppm).

 ND = not detected at or above the methods reporting limit.

 -- = not analysed

 BOLD = exceeds ESL



Table 2 Groundwatwer Elevation Data 2585 Nicholson Street San Leandro, California

			Grou	ndwater Monitorir	ng Well	1	Hydraulic gradient magnitude	General gradient direction
		MW-1	MW-2	MW-3	MW-4	MW-5	(ft/ft)	direction
Well casing e	levation (feet amsl)	15.27	13.69	15.88	15.25	16.46		
Apr 1999	Depth to groundwater (feet bgs)	5.33	3.76	5.88	5.40	6.64		
	Groundwater Elevation (feet amsl)	9.94	9.93	10.00	9.85	9.82	0.001	Southeast
Jul 1999	Depth to groundwater (feet bgs)	5.85	4.19	6.37	5.84	7.11		
	Groundwater Elevation (feet amsl)	9.42	9.50	9.51	9.41	9.35	0.001	Southeast
Oct 1999	Depth to groundwater (feet bgs)	5.45	4.06	5.79	5.60	6.68		
	Groundwater Elevation (feet amsl)	9.82	9.63	10.09	9.65	9.78	0.002	Easterly
Jan 2000	Depth to groundwater (feet bgs)	5.13	3.70	5.63	5.25	6.43		
	Groundwater Elevation (feet amsl)	10.14	9.99	10.25	10.00	10.03	0.001	Easterly
Apr 2000	Depth to groundwater (feet bgs)	4.95	3.61	5.41	5.06	6.15		
•	Groundwater Elevation (feet amsl)	10.32	10.08	10.47	10.19	10.31	0.002	Easterly
Jul 2000	Depth to groundwater (feet bgs)	5.74	4.06	6.27	5.77	7.11		
	Groundwater Elevation (feet amsl)	9.53	9.63	9.61	9.48	9.35	0.001	South southeas
Oct 2000	Depth to groundwater (feet bgs)	5.35	3.85	5.75	5.28	6.56		
	Groundwater Elevation (feet amsl)	9.92	9.84	10.13	9.97	9.90		
Jan 2001	Depth to groundwater (feet bgs)	5.70	4.00	6.21	5.73	6.70		
	Groundwater Elevation (feet amsl)	9.57	9.69	9.67	9.52	9.76	0.001	South southeas
Apr 2001	Depth to groundwater (feet bgs)	5.38	3.80	5.90	5.40	6.65		
•	Groundwater Elevation (feet amsl)	9.89	9.89	9.98	9.85	9.81	0.001	Southeast
Oct 2001	Depth to groundwater (feet bgs)	5.79						
	Groundwater Elevation (feet amsl)	9.48						
Apr 2002	Depth to groundwater (feet bgs)	5.41						
	Groundwater Elevation (feet amsl)	9.86						
Jan 2003	Depth to groundwater (feet bgs)	5.83						
	Groundwater Elevation (feet amsl)	9.44						
Nov 2003	Depth to groundwater (feet bgs)	5.47						
	Groundwater Elevation (feet amsl)	9.80						
Apr 2004	Depth to groundwater (feet bgs)	5.40						
•	Groundwater Elevation (feet amsl)	9.87						
Nov 2004	Depth to groundwater (feet bgs)	5.60						
	Groundwater Elevation (feet amsl)	9.67						
May 2005	Depth to groundwater (feet bgs)	5.27						
	Groundwater Elevation (feet amsl)	10.00						
May 2008	Depth to groundwater (feet bgs)	5.60						
	Groundwater Elevation (feet amsl)	9.67						
Nov 2008	Depth to groundwater (feet bgs)	5.73			5.75	7.10		
	Groundwater Elevation (feet amsl)	9.54			9.50	9.36	0.001	Southerly
May 2009	Depth to groundwater (feet bgs)	5.47			5.56	6.85		
	Groundwater Elevation (feet amsl)	9.80			9.69	9.61	0.002	Southerly
Dec 2009	Depth to groundwater (feet bgs)	4.90	3.50		5.00	6.12		
	Groundwater Elevation (feet amsl)	10.37	10.19		10.25	10.34	0.001	Northeasterly
May 2010	Depth to groundwater (feet bgs)	5.20	3.61		5.25	6.50		
	Groundwater Elevation (feet amsl)	10.07	10.08		10.00	9.96	0.001	Southeast
Dec 2010	Depth to groundwater (feet bgs)	5.12	3.70		5.22	6.41		
	Groundwater Elevation (feet amsl)	10.15	9.99		10.03	10.05	0.001	Northeasterly
June 2011	Depth to groundwater (feet bgs)	5.36	3.78		5.46	6.68		
	Groundwater Elevation (feet amsl)	9.91	9.91	l	9.79	9.78	0.001	Southeasterly

Notes and Abbreviations: ft/ft = feet per foot amsl = above mean sea level



ATTACHMENT II

Monitoring Well Purge Table

		XXXII II AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA				
Q VERSAR	PURGF	E TABLE	PROJECT NO. 104422.4422.007			
SITE NAME: Bank of America - San Lean	ıdro	LOCATION: 2585 N	Nicholson Street San Leandro, CA			
WELL I. D.: MW -)		DATE PURGED: 6/	15/2011			
PURGED/SAMPLED BY: Nicole Hasting	S	DATE SAMPLED: 0	6/15/2011			
MASTER LOCK NUMBER: NA		TIME SAMPLED:	TIME SAMPLED: 1730			
DEPTH TO BOTTOM (feet):		DEPTH TO WATER				
WATER COLUMN HEIGHT (feet):	12.64	CALCULATED PU				
CASING VOLUME (gallons):	9	ACTUAL PURGE (
DEVELOPMENT QUAR						
SAMPLE TYPE: Groundwater X						
CASING DIAMETER: 2" 3" Casing Volume (0.16) (gallons per foot):	(0.38) 4" (0.66	5) 5" (1.02)	8" (2.60) Other			
	FIELD MEASU	UREMENTS				
VOLUME TIME TEMP (gal) (2400hr) (degrees f		(x/S/cm) OXY	OLVED REDOX TURBIDITY YGEN ORP (NTU) 1g/L)			
0 1/30 68,38 10 1/36 61.34 20 1/43 61.47 30 1/49 61.54 40 1/55 61.83 50 1/20) 61.87 60 1/207 61.93	7.37 6.98 7.00 7.05 7.17 7.18 7.18	619 80 610 103 616 10 621 10 6014 08 615 00	7) <u>(17.5)</u> <u>100</u> 39 <u>(113.5)</u> <u>100</u> 21 <u>(113.8)</u> <u>100</u> (0 <u>(80.6)</u> <u>100</u> 68 <u>(71.6)</u> <u>100</u> (02 (68.8) <u>100</u>			
SAMPLE DEPTH TO WATER (feet):	= SA	NALYSES: <u>TPH-g, BT</u> AMPLE TURBIDITY:	100			
PURGING EQUIPMEN	Γ	SAMPI	LING EQUIPMENT			
Centrifugal PumpBailer (Te	eflon)	Centrifugal Pump	Bailer (Teflon)			
	/C or disposable)		p X Bailer (PVC or disposable)			
Peristaltic PumpBailer (Sta		Peristaltic Pump	• •			
Purge Pump	miness steer,	Purge Pump	Danier (Statistics Steel,			
Other:		Other:				
Comments:						

- San San				
Q VERSAR	PURGE	ETABLE	PROJECT NO. 104	422.4422.007
SITE NAME: Bank of America - San Lea	nndro	LOCATION: 2585 N	Nicholson Street San Lea	
WELL I. D.: MW-Z		DATE PURGED: 6/	15/2011	1,2
PURGED/SAMPLED BY: Nicole Hastin	ıgs	DATE SAMPLED:	6/15/2011	
MASTER LOCK NUMBER: NA		TIME SAMPLED:	1105	
DEPTH TO BOTTOM (feet):	1.15	DEPTH TO WATE	R(feet): 3, 9	8
WATER COLUMN HEIGHT (feet):	10.37	CALCULATED PU	RGE (gallons):	1.8
CASING VOLUME (gallons):	, le	ACTUAL PURGE (gallons): 🧲	
DEVELOPMENT QUA	RTERLY	BIANNUALX	COTHER	
SAMPLE TYPE: Groundwater	X Surface Wate	er Other		
CASING DIAMETER: 2"_X 3	3" 4"	6'	' 8"	Other
Casing Volume (0.16) (gallons per foot):	(0.38) (0.66	5) (1.02)	(1.50) (2.60)	
	FIELD MEASU	UREMENTS		
VOLUME TIME TEMP (gal) (2400hr) (degrees		~ *	OLVED REDOX YGEN ORP g/L)	TURBIDITY (NTU)
1 1057 71.12 1 1051 Wage 2 1053 Glaste 3 1055 Glaste 4 1057 Glaste 5 1059 Glaste	7.86 7.32 7.72 4.721 4.717 8.717	741 7.77 713 2.5 710 2. 708 1.6 706 1.6 704 1.6	23 39.8 13 59.4 14 66.4 13 68.1 71.5 72.6	low low low low
			- Charles and Char	
	SAMPLE INFO	ORMATION		
SAMPLE DEPTH TO WATER (feet): NO 80% RECHARGE: NO 80% ODOR: SA	3,80 A	NALYSES: <u>TPH-g, B</u> AMPLE TURBIDITY:	100	
PURGING EQUIPMEN	NT	SAMPI	LING EQUIPMEN	T
Centrifugal PumpBailer (*	Гeflon)	Centrifugal Pump	Bailer (Te	eflon)
X Submersible Pump Bailer (F				
•	Stainless Steel)	Peristaltic Pump	Bailer (St	•
Purge Pump		Purge Pump		
Other:	1	Other:		
Comments:			***************************************	· · · · · · · · · · · · · · · · · · ·

(VERSAR	PURGE	TABLE	PROJECT NO. 104422.4422.007	
SITE NAME: Bank of America - San Lean	idro	LOCATION: 2585 N	ficholson Street San Leandro, CA	
WELL I. D.: MW-4		DATE PURGED: 6/1	15/2011	
PURGED/SAMPLED BY: Nicole Hasting	S	DATE SAMPLED: 6	5/15/2011	
MASTER LOCK NUMBER: NA		TIME SAMPLED:	1020	
DEPTH TO BOTTOM (feet): /3	70	DEPTH TO WATER	(feet): 5,46	
WATER COLUMN HEIGHT (feet):	ifef	CALCULATED PUF	RGE (gallons): 3, 9	
CASING VOLUME (gallons):	? }	ACTUAL PURGE (g	gallons):	
DEVELOPMENT QUAR	TERLY	BIANNUAL _X	OTHER	
SAMPLE TYPE: Groundwater X	Surface Wate	r Other _		
CASING DIAMETER: 2"_X 3" Casing Volume (0.16) (gallons per foot):				
	FIELD MEASU	IREMENTS		
VOLUME TIME TEMP (gal) (2400hr) (degrees f	<i>2</i> 1	NDUCTIVITY DISO (MS/cm) OXY (mg	GEN ORP (NTU)	
0 1002 6993 1 4003 68.34 2 1008 67.96 4 1808 67.65	7.38 7.06 7.01 6.95 6.93	Carlo San Allenda		
	SAMPLE INFO			
SAMPLE DEPTH TO WATER (feet):				
80% RECHARGE: NO 80%	= SA	AMPLE TURBIDITY:		
odor: <u>Mo</u> sai	MPLE BOTTLE/PRE	SERVATIVE:	HCL	
PURGING EQUIPMEN	Т	SAMPL	ING EQUIPMENT	
Centrifugal PumpBailer (To	eflon)	Centrifugal Pump	Bailer (Teflon)	
X Submersible Pump Bailer (PV	/C or disposable)	Submersible Pump	p X Bailer (PVC or disposable)	
Peristaltic PumpBailer (Sta	-	Peristaltic Pump	Bailer (Stainless Steel)	
Purge Pump		Purge Pump	` '	
Other:		Other:		
Comments:	······································			

				STATE OF THE PROPERTY OF THE P
W VERSAR	PURGE	TABLE	PROJECT NO. 104	422.4422.007
SITE NAME: Bank of America - San Lea	ndro	LOCATION: 2585 N	Ticholson Street San Lea	ndro, CA
WELL I. D.: MW-S		DATE PURGED: 6/	15/2011	
PURGED/SAMPLED BY: Nicole Hasting	gs	DATE SAMPLED: 6	5/15/2011	
MASTER LOCK NUMBER: NA		TIME SAMPLED:	930	
DEPTH TO BOTTOM (feet): \ \ \ 3	108	DEPTH TO WATER	(feet): 0.68	
WATER COLUMN HEIGHT (feet):	400	CALCULATED PUI	RGE (gallons):	3.4
CASING VOLUME (gallons):		ACTUAL PURGE (§	gallons):	•
DEVELOPMENT QUA	RTERLY	BIANNUAL _X	OTHER_	
SAMPLE TYPE: Groundwater	Surface Water	er Other		
CASING DIAMETER: 2"_X 3	" 4"	6"	8"	Other
Casing Volume (0.16) (gallons per foot):	(0.38) (0.66	(1.02)	(1.50) (2.60)	
	FIELD MEASU	JREMENTS		
VOLUME TIME TEMP (gal) (2400hr) (degrees	L	(blS/cm) OXY	LVED REDOX GEN ORP g/L)	TURBIDITY (NTU)
0 904 67.0 1 906 65.66 2 907 65.59 3 909 65.59 4 911 65.56	6 7.47 6 85 7 6.78 6 6.73 6 6.75	420 4.3 662 7.3 703 2.3 759 7.3 7-73 7.3	77 23.5	low low low
	SAMPLE INFO			
SAMPLE DEPTH TO WATER (feet): (<u> 2109 </u>	NALYSES: TPH-g, B	TEX, MTBE	
80% RECHARGE: X NO 80%				
ODOR: SA	MPLE BOTTLE/PRE	SERVATIVE:	HCL	
PURGING EQUIPMEN	IT	SAMPI	LING EQUIPMEN	T
Centrifugal PumpBailer (T	eflon)	Centrifugal Pump	Bailer (Te	eflon)
X_Submersible PumpBailer (P	VC or disposable)	Submersible Pum	p X Bailer (P'	VC or disposable)
Peristaltic PumpBailer (S	tainless Steel)	Peristaltic Pump	Bailer (St	ainless Steel)
Purge Pump		Purge Pump		
Other:		Other:		
Comments:				
WARE A STATE OF THE STATE OF TH				



ATTACHMENT III

Laboratory Analytical Data Report



Date: 06/20/2011

Laboratory Results

Nicole Hastings Versar, Inc. 7844 Madison Avenue Suite 167 Fair Oaks, CA 95628

Subject: 5 Water Samples

Project Name: B of A San Leandro Project Number: 104422.4422.007

Dear Ms. Hastings,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed. Testing procedures comply with the 2003 NELAC standard. All soil samples are reported on a total weight (wet weight) basis unless noted otherwise in the case narrative. Laboratory results relate only to the samples tested. This report may be freely reproduced in full, but may only be reproduced in part with the express permission of Kiff Analytical, LLC. Kiff Analytical, LLC is certified by the State of California under the National Environmental Laboratory Accreditation Program (NELAP), lab # 08263CA. If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,



Date: 06/20/2011

Project Name : **B of A San Leandro**Project Number : **104422.4422.007**

Sample: MW-1 Matrix: Water Lab Number: 77801-01

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	290	0.50	ug/L	EPA 8260B	06/16/11 06:22
Toluene	5.4	0.50	ug/L	EPA 8260B	06/16/11 06:22
Ethylbenzene	25	0.50	ug/L	EPA 8260B	06/16/11 06:22
Total Xylenes	8.7	0.50	ug/L	EPA 8260B	06/16/11 06:22
Methyl-t-butyl ether (MTBE)	1.1	0.50	ug/L	EPA 8260B	06/16/11 06:22
TPH as Gasoline	3000	50	ug/L	EPA 8260B	06/16/11 06:22
1,2-Dichloroethane-d4 (Surr) Toluene - d8 (Surr)	95.5 97.5		% Recovery	EPA 8260B EPA 8260B	06/16/11 06:22 06/16/11 06:22
				_:::== :	



Date: 06/20/2011

Project Name : B of A San Leandro
Project Number : 104422.4422.007

Sample: MW-2 Matrix: Water Lab Number: 77801-02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	06/16/11 02:39
Toluene	< 0.50	0.50	ug/L	EPA 8260B	06/16/11 02:39
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	06/16/11 02:39
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	06/16/11 02:39
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	06/16/11 02:39
TPH as Gasoline	400	50	ug/L	EPA 8260B	06/16/11 02:39
(Note: Primarily compounds not found in	typicai Gasoline)			
1,2-Dichloroethane-d4 (Surr)	99.2		% Recovery	EPA 8260B	06/16/11 02:39
Toluene - d8 (Surr)	99.1		% Recovery	EPA 8260B	06/16/11 02:39



Date: 06/20/2011

Project Name : **B of A San Leandro**Project Number : **104422.4422.007**

Sample: MW-4 Matrix: Water Lab Number: 77801-03

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	06/16/11 03:16
Toluene	< 0.50	0.50	ug/L	EPA 8260B	06/16/11 03:16
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	06/16/11 03:16
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	06/16/11 03:16
Methyl-t-butyl ether (MTBE)	1.8	0.50	ug/L	EPA 8260B	06/16/11 03:16
TPH as Gasoline (Note: Primarily compounds not found in t	53 ypical Gasoline)	50	ug/L	EPA 8260B	06/16/11 03:16
1,2-Dichloroethane-d4 (Surr) Toluene - d8 (Surr)	102 99.1		% Recovery % Recovery	EPA 8260B EPA 8260B	06/16/11 03:16 06/16/11 03:16



Date: 06/20/2011

Project Name : B of A San Leandro
Project Number : 104422.4422.007

Sample: MW-5 Matrix: Water Lab Number: 77801-04

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	06/16/11 03:54
Toluene	< 0.50	0.50	ug/L	EPA 8260B	06/16/11 03:54
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	06/16/11 03:54
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	06/16/11 03:54
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	06/16/11 03:54
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	06/16/11 03:54
1,2-Dichloroethane-d4 (Surr) Toluene - d8 (Surr)	99.3 98.2		% Recovery % Recovery	EPA 8260B EPA 8260B	06/16/11 03:54 06/16/11 03:54
rolacito ac (cart)	00.2		70 11000 VOI y	L. / (0200D	33/ 13/ 11 00.0 1



Date: 06/20/2011

Project Name : B of A San Leandro
Project Number : 104422.4422.007

Sample: TRIP BLANK Matrix: Water Lab Number: 77801-05

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	06/15/11 23:33
Toluene	< 0.50	0.50	ug/L	EPA 8260B	06/15/11 23:33
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	06/15/11 23:33
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	06/15/11 23:33
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	06/15/11 23:33
1,2-Dichloroethane-d4 (Surr)	98.8		% Recovery	EPA 8260B	06/15/11 23:33
Toluene - d8 (Surr)	98.9		% Recovery	EPA 8260B	06/15/11 23:33

Date: 06/20/2011

QC Report : Method Blank Data

Project Name: **B of A San Leandro**Project Number: **104422.4422.007**

Parameter	Measured Value	Method Reporting Limit	g Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	06/15/2011
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	06/15/2011
Toluene	< 0.50	0.50	ug/L	EPA 8260B	06/15/2011
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	06/15/2011
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	06/15/2011
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	06/15/2011
1,2-Dichloroethane-d4 (Surr)	99.3		%	EPA 8260B	06/15/2011
Toluene - d8 (Surr)	99.2		%	EPA 8260B	06/15/2011

		Method	t		
	Measured	Reporti	ing	Analysis	Date
Parameter	Value	Limit	Units	Method	Analyzed

Date: 06/20/2011

Project Name : **B of A San Leandro**

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Number: 104422.4422.007

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spike Sample Value	e ed Units	Analysis Method	Date Analyzec	Spiked Sample Percent Recov.	Duplicat Spiked Sample Percent Recov.	Relative	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Benzene														
	77795-03	<0.50	40.0	40.0	39.2	38.4	ug/L	EPA 8260B	6/15/11	98.1	96.1	2.03	80-120	25
Ethylbenzene														
	77795-03	<0.50	40.0	40.0	42.1	41.1	ug/L	EPA 8260B	6/15/11	105	103	2.34	80-120	25
Methyl-t-butyl e	ether													
	77795-03	< 0.50	40.2	40.2	38.9	36.4	ug/L	EPA 8260B	6/15/11	96.8	90.5	6.79	69.7-121	25
P + M Xylene														
	77795-03	< 0.50	40.0	40.0	41.3	40.8	ug/L	EPA 8260B	6/15/11	103	102	1.10	76.8-120	25
Toluene														
	77795-03	<0.50	40.0	40.0	39.2	39.0	ug/L	EPA 8260B	6/15/11	98.1	97.4	0.706	80-120	25

Date: 06/20/2011

Project Name : **B of A San Leandro**

QC Report : Laboratory Control Sample (LCS)

Project Number: 104422.4422.007

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.2	ug/L	EPA 8260B	6/15/11	96.0	80-120
Ethylbenzene	40.2	ug/L	EPA 8260B	6/15/11	104	80-120
Methyl-t-butyl ether	40.4	ug/L	EPA 8260B	6/15/11	95.2	69.7-121
P + M Xylene	40.2	ug/L	EPA 8260B	6/15/11	103	76.8-120
TPH as Gasoline	503	ug/L	EPA 8260B	6/15/11	96.7	70.0-130
Toluene	40.2	ug/L	EPA 8260B	6/15/11	96.9	80-120

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Analytic	аГ цс	V	
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2795 2nd Street, Suite 300

Davis, CA 95618 Lab: 530.297.4800 Fax: 530.297.4802

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Project Contact (Hardcopy or PDF Nicole Hardcopy or PDF Company / Address:		California EDF Report? Yes No												Chain-of-Custody Record and Analysis Request																								
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Project #: 104427,4422.00 Project Name: Bof A Sam le	gw	dv	0	Sa	mple	er S	igna	ture/	1		£	1		>			MTBE @ 0.5 ppb (EPA 8260B)			5 Oxygenates (MTBE, DIPE, ETBE, TAME, TBA) (EPA 8260B)	7 Oxygenates (5 oxy + EtOH, MeOH) (EPA 8260B)	Lead Scav. (1,2 DCA & 1,2 EDB) (EPA 8260B)	Volatile Halocarbons (EPA 8260B)	Volatile Organics Full List (EPA 8260B)	Volatile Organics (EPA 524.2 Drinking Water)	Ĵ₩	TPH as Motor Oil (EPA 8015M)	CAM 17 Metals (EPA 200.7 / 6010)	5 Waste Oil Metals (Cd,Cr,Ni,Pb,Zn) (EPA 200.7 / 6010)	Mercury (EPA 245.1 / 7470 / 7471)	Total Lead (EPA 200.7 / 6010)					40111	i i	2
Project Address:		Sam	pling	二	4	<u> Zon</u>	taine	er e	1	Pre	serva	ative	I	Ма	trix		EPA 8		(B)	DIPE,	cy + E	X &	s (EF	el Lis	PA 5	TPH as Diesel (EPA 8015M)	EPA 8	۸ 20 ا	J,Cr,N	1/74	7 / /	6					١	
2585 Nicholson) qdc	BTEX (EPA 8260B)	TPH Gas (EPA 8260B)	ITBE,	(20)	2 0	arbor	ics	ics (E	<u> (</u>	ö	S (EF	als (C	245.	A 20	W.E.T. Lead (STLC)				72hr		
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Distribution: White - Lab; Pink - Originator			-			_		V	- 4/		,					7																						_

Rev: 060409



SAMPLE RECEIPT CHECKLIST
77801 Date: 061511

RECEIVER
LJR
Initials

SRG#: 77801 Date: 0615//	
Project ID: BOFA San Leanoro	
Method of Receipt: Courier Over-the-counter Shipper	
COC Inspection Is COC present? Custody seals on shipping container? Is COC Signed by Relinquisher? Is sampler name legibly indicated on COC? Is analysis or hold requested for all samples Is the turnaround time indicated on COC? Is COC free of whiteout and uninitialed cross-outs? Yes No Yes No Yes No No Yes No	
Sample Inspection Coolant Present:	
Are the Sample ID's indicated: On COC On sample container(s) On Both Not indicated: If Sample ID's are listed on both COC and containers, do they all match? Yes No Not indicated If project ID indicated: On COC On sample container(s) On Both Not indicated If project ID is listed on both COC and containers, do they all match? Yes No Not indicated If collection dates indicated: On COC On sample container(s) On Both Not indicated If collection dates are listed on both COC and containers, do they all match? Yes No Not indicated If collection times indicated: On COC On sample container(s) On Both Not indicated If collection times are listed on both COC and containers, do they all match? Yes No Not indicated If collection times are listed on both COC and containers, do they all match? No Not indicated If collection times are listed on both COC and containers, do they all match? Yes No No Not indicated If collection times are listed on both COC and containers, do they all match? Yes No No No Not indicated If collection times are listed on both COC and containers, do they all match?	d



ATTACHMENT IV

Decontamination and Groundwater Monitoring Well Sampling Procedures



1.0 DECONTAMINATION PROCEDURES

The decontamination procedures for non-dedicated field equipment and well development/purging equipment are given below. These procedures are followed during all field activities.

- 1. Non-dedicated well development, purging, and sampling equipment is carefully precleaned prior to each use, as follows:
 - a. Carefully brush off any loose foreign debris with a soft bristle brush.
 - b. Rinse the equipment thoroughly in clean water.
 - c. Wash the equipment in a non-phosphate detergent bath.
 - d. Rinse thoroughly in clean water.
 - e. Rinse thoroughly with deionized water.
 - f. Air dry in a dust-free environment.
 - g. Store in unused plastic bags or other suitable cover until use.
- 2. Clean disposable gloves are worn by all field personnel when handling decontaminated equipment.

2.0 COLLECTION OF SAMPLES

2.1 Groundwater Sampling

Groundwater samples are collected for laboratory analysis using the procedures given below.

- 1. Open the well and measure the organic vapor concentration with a flame-ionization detector (FID) or photoionization detector (PID).
- 2. Measure the water levels (if any) in the well using a decontaminated measuring device. All measurements must be made to the nearest 0.01 foot, and measured relative to the top of the casing. Record the depth of the water in the field notebook.
- 3. Inspect the disposable bailer to ensure that the bottom valve assembly is working correctly.
- 4. Begin purging the well by inserting a purge pump into the PVC monitoring well casing and carefully lower it into the well. Take care to avoid agitating and aerating the fluid column in the well.
- 5. Slowly withdraw the bailer and transfer the water samples to sampling containers.



- 6. Signature of persons involved in the chain-of-possession
- 7. Inclusive dates of possession
- 8. Analytical parameters
- 9. Pertinent field observations

The custody record is completed using waterproof ink. Corrections are made by drawing a line through, initialing the error, and then entering the correct information.

Custody of the samples begins at the time of sample collection and are maintained by the sampling team supervisor until samples are relinquished for shipment to the laboratory, or until samples are hand-delivered to the designated laboratory sample custodian. Partial sample sets being accumulated for hand-delivery to the laboratory are stored in coolers with chain-of-custody records sealed in plastic bags and placed in the cooler with the sample sets.