KELLEHER & ASSOCIATES

Environmental Mgmt LLC

June 27, 2008

Steven Plunkett Alameda Country Health Care Services ("County") 1131 Harbor Bay Parkway, Suite 250 Alameda County, CA 94502-6577 RECEIVED

2:05 pm, Jul 09, 2008

Alameda County Environmental Health

LUFT Site: Re: 900 Central Ave, Alameda (Site) Report Submittal – Second Quarter 2008 Groundwater-Monitoring Results, June 27, 2008.

Dear Mr. Plunkett:

On behalf of the parties contributing to the 900 Central Avenue Corrective Action Account, please find enclosed herewith a copy of the above-reference technical reports prepared by RRM, Inc., Santa Cruz, CA (RRM). On behalf of the parties participating in site-remediation efforts, I declare under penalty of perjury that the information contained in the enclosed documents is true and correct to the best of my knowledge.

The report covers the groundwater-monitoring event RRM conducted on June 3, 2008 during which they sounded, purged and sampled six monitoring wells and one recovery well. The groundwater-monitoring work was conducted pursuant to the directives set forth in County correspondence dated July 12, 2006 and January 9, 2007.

On the basis of the collective investigation findings, RRM has concluded that the extent of soil and groundwater contamination has been adequately defined. According to RRM, there is a 10 foot thick by 20 foot wide by 50 foot long zone of heavily impacted saturated soils (370 bank cubic yards) between 8 to 18 feet from grade extending southwest from the former tank area through the area of well MW-1. RRM has further concluded that the levels of gasoline contamination in this heavily impacted zone represent a secondary source area that will require active remediation by one of several approaches including remedial excavation or sparging-enhanced dual-phase extraction. Accordingly, RRM is recommending the conduct of appropriate feasibility studies to determine the optimal approach followed by the preparation of a formal corrective action plan. Specially, they are recommending the installation of an air-sparging well midway between wells RW-1 and MW-1 and the conduct of a one-day dual-extraction pilot test using a self-contained mobile unit. They are also recommending mapping all underground utilities that would potentially interfere with or complicate a remedial-excavation approach. If the County concurs with these recommendations, RRM will promptly prepare a concise feasibility study workplan. RRM is recommending that the dual extraction pilot test be conducted during low water table conditions ostensibly in the third or fourth quarter 2008.

We are in the process of making all the associated Geotracker and FTP uploads that are due in connection with this report. Thank you for your ongoing courtesy and cooperation.

Sincerely: Brian T. Kelleher

Court consultant/project coordinator

Cc with enclosure: William Nagle, Esq., Special Master Mediator; Robert Bucciere, Esq., and Kim O'Dincel, Esq., Long & Levit counsel for Pearce Parties; Joe Ryan, Esq., Ryan & Lifter, counsel for Thompson Parties; Laurie Sherwood, Esq., Walsworth & Franklin et al counsel for Peterson Parties; Edward Martins, Esq., counsel for Ann Marie Holland and Estate of John Holland Sr.; Hal Reiland, counsel for Barbara Holland; Jack Holland Jr., c/o Mulholland Bros; cc cover letter only, Matt Kaempf, RRM



812 S. Winchester Blvd



June 27, 2008 RRM Project # KCE514

900 Central Avenue Corrective Action Account c/o Brian Kelleher Kelleher & Associates 812 S. Winchester Blvd., Suite 130, #109 San Jose, CA 95128

Re: Second Quarter 2008 Groundwater Monitoring Results 900 Central Avenue Alameda, CA

Dear Mr. Kelleher:

This report, prepared by RRM, Inc. (RRM), presents the results of the second quarter 2008 groundwater monitoring event conducted on June 3, 2008, at the referenced site (Figure 1). Well specifications are summarized in Table 1 and groundwater elevation and analytical data are summarized in Table 2. A map of the site is shown on Figure 2, a groundwater elevation contour map is shown on Figure 3, and a gasoline range total petroleum hydrocarbon (TPHg) and benzene concentration map is shown on Figure 4. Previous remedial investigation work is summarized in Attachment A; field and analytical procedures are presented in Attachment B; and certified analytical reports, chain-of-custody, and field data sheets are presented in Attachment C.

SITE BACKGROUND

Site Description and History – The site is located on the southeast corner of Central Avenue and Ninth Street in Alameda, CA. In September 1975, the site operated as a Holland Oil Company retail gasoline station that consisted of a garage at the southwest corner, a pump island canopy in the northeast quadrant, three 550-gallon underground storage tanks (USTs) located beneath the sidewalk on Ninth Street, and a reported waste oil tank. According to Alameda Fire Department records, the original permit for the tanks was issued in 1931 to Mohawk Oil Company. A 1973 business directory lists the operator as EZ Pickings Gas and a 1975 directory as Holland Service Station No. 1. The tanks were removed by Holland Oil Company Inc. in September 1975.

In 1976 the property was sold to the Peterson family. In 1978, the Petersons sold the property to Gary Thompson dba Oak Construction. In October 1978 Oak Construction razed the gas station structures and constructed a residential duplex. The current owners, Karen and Gary Pearce, purchased the property in May 1985. The identification of subsurface contamination in 1994 instigated a lawsuit between the past and present owners. Due to the complexity of the lawsuit, William Nagle was appointed as Special Master in 1996 to help resolve the case. In 2003, Brian Kelleher of Kelleher &

Associates in San Jose, CA was appointed on behalf of the litigating parties to coordinate remedial response actions and associated cost recovery work.

The site is located three blocks east of downtown Alameda and approximately 3,000 feet northeast of Robert Crown Memorial State Beach and San Francisco Bay. The site is on gently sloping terrain approximately 25 feet above mean sea level. There is a man-made lagoon system approximately 1,000 feet south of the site.

The property is located in a mixed residential/commercial area. To the west, at the southwest corner of Central Avenue and Ninth Street, was a former church that has since been converted to a movie theater. The property to the northwest (841 Central Avenue) is reportedly the location of a former gas station that operated from approximately 1947 to 1969. Both former gas station properties and the remainder of the surrounding properties are currently residential.

Site Geology and Hydrogeology - Based on interpretation of historical boring logs, the site is underlain by sandy fill to a depth of approximately 3.5 feet. Fine sandy silt and poorly graded sand was encountered beneath the fill to approximately 26 feet below ground surface (bgs), the maximum depth explored. Groundwater was encountered in the borings between 12 and 13 feet bgs. From the two years of quarterly groundwater monitoring data, depth to water seasonally ranged from 6 feet to 13 feet bgs and flow is generally toward the southwest (*Lowney, "Soil and Groundwater Quality Reconnaissance" July 20, 1994; and Allwest, "Subsurface Investigation Report," August 5, 1997, and quarterly monitoring reports*).

CURRENT GROUNDWATER MONITORING RESULTS

Groundwater Elevation, Flow Direction and Gradient

Groundwater elevations at monitoring wells MW-1 through MW-6 and RW-1 were calculated from depth to water data (Table 2). Groundwater elevations ranged from 16.38 feet above mean sea level (MSL) at well MW-4 to 17.24 feet above MSL at well MW-2. The groundwater flow direction is toward the west at a gradient of approximately of 0.011 foot/foot. Groundwater elevations have decreased approximately 3 feet since the February 2008 monitoring event, presumably due to the lack of precipitation between events; pronounced seasonal fluctuations in the shallow water table are typical at the site. A groundwater elevation contour map for the June 3, 2008 event is shown on Figure 3.

Groundwater Analytical Data

Analytical data for groundwater samples collected from monitoring wells MW-1 through MW-6 and RW-1 are summarized in Table 2 and shown on Figure 4. TPHg was detected in wells MW-1 and RW-1 at concentrations of 11,000 parts per billion (ppb) and 40,000 ppb, respectively. Benzene was only detected in Well MW-1 at a concentration of 1,060 ppb. Analysis for MtBE and other fuel oxygenates has been discontinued, as these compounds have not been detected in groundwater at the site. It should be noted that laboratory flagged the TPHg results for MW-1 and RW-1 stating that although gasoline constituents are present, the TPHg value includes a significant portion of non-target hydrocarbons

present within gasoline range. Certified analytical reports and chain-of-custody documentation are presented in Attachment C.

CONCLUSIONS

- Groundwater sample analytical data show that dissolved petroleum hydrocarbons extend from the former UST area southwesterly beneath Ninth Street. Dissolved petroleum hydrocarbons have been defined to non-detect levels by well MW-2 to the east (upgradient), by well MW-3 to the south (cross-gradient), and by wells MW-4 through 6 to the southwest (downgradient).
- Due to the heavy traffic along Central Avenue, it is considered impractical to install a monitoring well in the roadway to define dissolved petroleum hydrocarbons to the north (cross-gradient).
- As fuel oxygenates were not detected in any of the groundwater samples analyzed, the subsurface release likely occurred prior to the 1980s.
- The current and historic shallow groundwater flow direction is westerly to southwesterly when using the most recent well elevation survey data in conjunction with historic groundwater depth readings.
- Petroleum hydrocarbons in soil and groundwater have been adequately defined and characterized.
- Dissolved TPHg concentrations in wells RW-1 and MW-1 indicate the presence of residual contamination in the vicinity of the former USTs; these concentrations will likely continue to affect groundwater quality. In addition, the benzene concentrations at these wells exceed current San Francisco Bay Region RWQCBs Environmental Screening Levels for the vapor intrusion/indoor air pathway for residential land use.
- The pronounced seasonal fluctuations in contaminant levels at well MW-1 appear to correlate with pronounced seasonal fluctuations of the water table and suggest the well is located near the lateral edge of the petroleum hydrocarbon plume.

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RECOMMENDATIONS

RRM recommends continued quarterly sampling and reporting for all site wells, and completion of the feasibility study proposed in the October 23, 2007, *Subsurface Investigation Results, Second and Third Quarter 2007 Groundwater Monitoring Results.* To date, a written or verbal approval from the Alameda County Health Care Services Agency to conduct the aforementioned feasibility study has not been received.

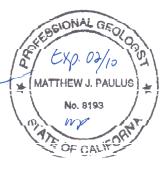
Should you have any questions regarding the contents of this report, please call RRM at (831) 475-8141.

Sincerely,

RRM, Inc.

Matt Kaempf Project Manager

Matthéw J. Paulus Senior Geologist PG 8193



Attachments: Table 1 – Well Specifications Table 2 – Groundwater Elevation and Analytical Data Figure 1 – Site Location Map Figure 2 – Site Map Figure 3 – Groundwater Elevation Contour Map, June 3, 2008 Figure 4 – TPHg/Benzene Groundwater Concentration Map, June 3, 2008 Attachment A – Summary of Prior Investigation Work Attachment B – Field and Analytical Procedures Attachment C – Certified Analytical Reports, Chain-of-Custody Documentation, and Field Data Sheets

Table 1 Well Specifications

900 Central Avenue Alameda, California

Well	Total Depth (feet, bgs)	Casing Diameter (inch)	Screened Interval (feet, bgs)	Screen Length (feet)
MW-1	18	2	6 - 18	12
MW-2	19.5	2	6 - 19.5	13.5
MW-3	18	2	6 - 18	12
MW-4	18	2	6 - 18	12
MW-5	18	2	6 - 18	12
MW-6	18	2	6 - 18	12
RW-1	20	4	5 - 20	15
Notes: bgs	s = below groun	d surface		

Table 2 Groundwater Elevation and Analytical Data

900 Central Avenue Alameda, California

	Date	Well	Depth	Groundwater				Ethyl-	Total				
Sample	Gauged	Elevation	to Water	Elevation	TPHg	Benzene	Toluene	benzene	Xylenes	MtBE	TPHd	TPHmo	
ID	& Sampled	(feet, MSL)	(feet, TOC)	(feet, MSL)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	Notes
Monitoring We	ells												
MW-1	11/27/98	25.17	11.77	13.40	360	5.8	5.5	9.2	40	<5.0	<50	<500	
	03/12/99		6.59	18.58	<50	<0.50	<0.50	<0.50	<0.50	<5.0	<50	<500	
	06/01/99		8.71	16.46	930	<0.50	19	52	230	<5.0	540	<500	
	09/03/99		11.79	13.38	14,000	300	1,900	890	5,600	<5.0	2,100	<500	
	03/29/02		8.32	16.85	<50	<0.50	<0.50	<0.50	<0.50	<0.50	61	<610	
	07/15/02		11.39	13.78	39,000	1,700	2,900	1,800	7,800	<10	4,200	<5000	
	10/03/02		12.88	12.29	42,000	2,600	3,300	1,800	10,000	<500	8,400	<2500	
	02/05/07		10.40	14.77	26,000	2,550	2,010	1,140	4,870	<0.5	NA	NA	1
	05/04/07		9.77	15.40	28,000	2,080	1,820	739	5,500	NA	NA	NA	1
	08/23/07	28.27	12.23	16.04	56,700	2,570	2,370	1,120	9,560	<11	NA	NA	1,3
	11/28/07		12.94	15.33	51,700	3,160	3,270	1,050	9,250	<11.0	NA	NA	1,3
	02/28/08		8.10	20.17	<50	<0.5	<0.5	<0.5	<1.5	NA	NA	NA	4
	06/03/08		11.40	16.87	11,000	1,060	2,080	784	4,370	NA	NA	NA	1,5
					,	,							
MW-2	11/27/98	25.12	11.76	13.41	<50	<0.50	<0.50	<0.50	<0.50	<5.0	<50	<500	
	03/12/99		6.53	18.64	<50	<0.50	<0.50	<0.50	<0.50	<5.0	<50	<500	
	06/01/99		8.56	16.61	<50	<0.50	<0.50	<0.50	<0.50	<5.0	<50	<500	
	09/03/99		11.60	13.57	<50	<0.50	<0.50	<0.50	1.8	<5.0	<50	<500	
	03/29/02		8.10	17.07	<50	<0.50	<0.50	<0.50	<0.50	<5.0	<50	<500	
	07/15/02		10.92	14.25	<50	<0.50	<0.50	<0.50	<0.50	<5.0	<50	<500	
	10/03/02		DRY		NS	NS	NS	NS	NS	NS	NS	NS	
	02/05/07		10.15	15.02	89	<0.5	<0.5	<0.5	<1.50	<0.5	NA	NA	1,2
	05/04/07		9.43	15.74	<50	<0.500	<0.500	<0.500	<1.50	NA	NA	NA	1
	08/23/07	28.31	11.94	16.37	<50	<0.500	<0.500	<0.500	<1.50	<0.500	NA	NA	1
	11/28/07		12.67	15.64	<50	<0.500	<0.500	<0.500	<1.50	<0.500	NA	NA	1
	02/28/08		7.89	20.42	<50	<0.5	<0.5	<0.5	<1.5	NA	NA	NA	4
	06/03/08		11.07	17.24	<50	<0.5	<0.5	<0.5	<1.5	NA	NA	NA	1
MW-3	11/27/98	24.58	11.41	13.76	<50	<0.50	<0.50	<0.50	<0.50	<5.0	<50	<500	
	03/12/99		6.01	19.16	<50	<0.50	<0.50	<0.50	<0.50	<5.0	<50	<500	
	06/01/99		8.16	17.01	<50	<0.50	<0.50	<0.50	<0.50	<5.0	<50	<500	
	09/03/99		11.27	13.90	<50	<0.50	<0.50	<0.50	<0.50	<5.0	<50	<500	
	03/29/02		7.78	17.39	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<50	<500	
	07/15/02		10.82	14.35	<50	<0.50	<0.50	<0.50	<0.50	<0.50	110	<500	
	10/03/02		12.28	12.89	<50	<0.50	<0.50	<0.50	<0.50	<5.0	<50	<500	
	02/05/07		9.85	15.32	<50	<0.5	<0.5	<0.5	<1.50	<0.5	NA	NA	1
	05/04/07		9.19	15.98	<50	<0.500	<0.500	<0.500	<1.50	NA	NA	NA	1
	08/23/07	27.69	11.63	16.06	<50	<0.500	<0.500	<0.500	<1.50	<0.500	NA	NA	1
	11/28/07		12.31	15.38	<50	<0.500	<0.500	<0.500	<1.50	<0.500	NA	NA	1
	02/28/08		7.46	20.23	<50	<0.5	<0.5	<0.5	<1.5	NA	NA	NA	4
	06/03/08		10.82	16.87	<50	<0.5	<0.5	<0.5	<1.5	NA	NA	NA	1

Table 2 Groundwater Elevation and Analytical Data

900 Central Avenue Alameda, California

	Date	Well	Depth	Groundwater				Ethyl-	Total				
Sample	Gauged	Elevation	to Water	Elevation	TPHg	Benzene	Toluene	benzene	Xylenes	MtBE	TPHd	TPHmo	
ID	& Sampled	(feet, MSL)	(feet, TOC)	(feet, MSL)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	Notes
MW-4	08/23/07	27.37	11.73	15.64	<50	<0.500	<0.500	<0.500	<1.50	<0.500	NA	NA	1
	11/28/07		12.43	14.94	<50	<0.500	<0.500	<0.500	<1.50	<0.500	NA	NA	1
	02/28/08		7.81	19.56	<50	<0.5	<0.5	<0.5	<1.5	NA	NA	NA	4
	06/03/08		10.99	16.38	<50	<0.5	<0.5	<0.5	<1.5	NA	NA	NA	1
MW-5	08/23/07	27.25	11.56	15.69	<50	<0.500	<0.500	<0.500	<1.50	<0.500	NA	NA	1
	11/28/07		12.29	14.96	<50	<0.500	<0.500	<0.500	<1.50	<0.500	NA	NA	1
	02/28/08		7.55	19.70	<50	<0.5	<0.5	<0.5	<1.5	NA	NA	NA	4
	06/03/08		10.84	16.41	<50	<0.5	<0.5	<0.5	<1.5	NA	NA	NA	1
MW-6	08/23/07	27.24	11.52	15.72	<50	<0.500	<0.500	<0.500	<1.50	<0.500	NA	NA	1
	11/28/07		12.24	15.00	<50	<0.500	<0.500	<0.500	<1.50	<0.500	NA	NA	1
	02/28/08		7.43	19.81	<50	<0.5	<0.5	<0.5	<1.5	NA	NA	NA	4
	06/03/08		10.81	16.43	<50	<0.5	<0.5	<0.5	<1.5	NA	NA	NA	1
RW-1	08/23/07	27.43	11.23	16.20	16,000	<4.40	38.9	571	2,660	<4.40	NA	NA	1,3
	11/28/07		11.97	15.46	24,400	4.75	110	915	3,980	<4.40	NA	NA	1,3
	02/28/08		7.22	20.21	10,100	<0.5	40.3	256	1,430	NA	NA	NA	1,3
	06/03/08		10.41	17.02	40,000	<4.40	120	1,100	8,810	NA	NA	NA	1, 5
Grab Groundv	water Samples												
P-1-W	06/30/97	NA	NA	NA	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
P-2-W	06/30/97	NA	NA	NA	290	2.4	2.1	1.4	3.1	NA	<100	<1,000	
P-3-W	06/30/97	NA	NA	NA	92,000	190	5,000	4,600	24,000	NA	<100	<1,000	
P-4-W	06/30/97	NA	NA	NA	17,000	610	720	940	3,800	NA	<100	<1,000	
P-5-W	06/30/97	NA	NA	NA	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
P-6-W	06/30/97	NA	NA	NA	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
P-7-W	06/30/97	NA	NA	NA	66	2.3	6.5	0.8	4.7	NA	NA	NA	
P-8-W	06/30/97	NA	NA	NA	51	1.7	5.1	0.55	2.4	NA	NA	NA	
lotes:													
	to mean sea leve	el		MtBE = Methyl t									
OC = top of c	0			ppb = parts per		, , ,							
	ne range total pet			< = none detecte		e reported detec	tion limit						
	range total petrol	•		NS = not sample									
PHmo = moto	or oil range total p	etroleum hydrod	carbons	NA = not analyz	ed								

TBA = tert-Butanol

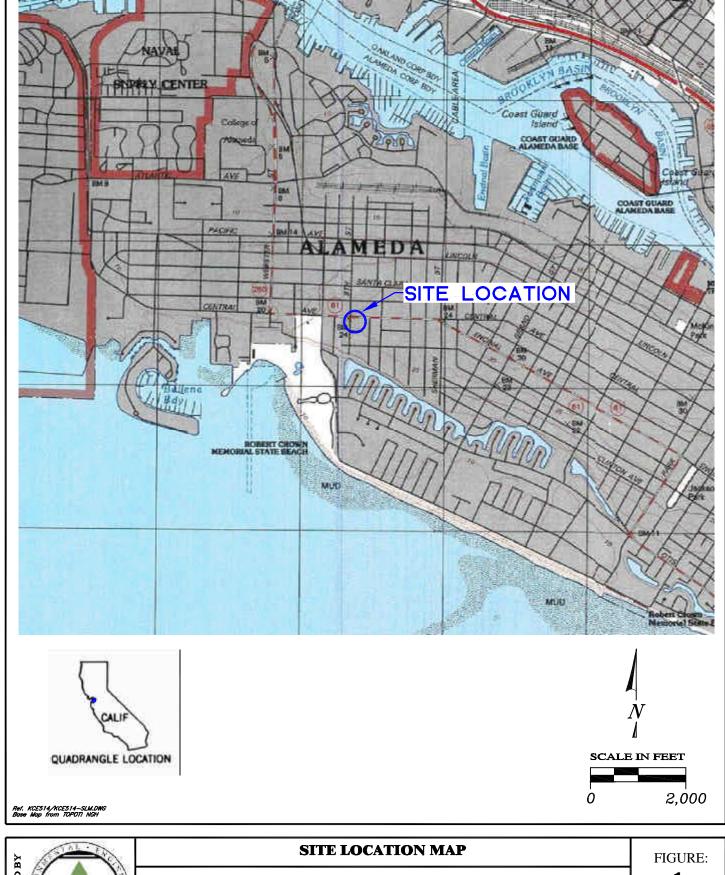
1 = also sampled for the fuel oxygenates ethyl tert-butyl ether (ETBE), isopropyl ether (DIPE), t-butyl alcohol (t-butanol) (TBA), and tert-amyl methyl ether (TAME); none of these compounds detected above the laboratory limit.

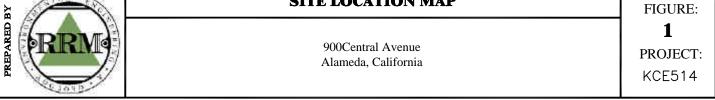
2 = the laboratory reported value due to discrete peaks present within the TPH as gasoline quantitation range (heavy end); not typical gasoline.

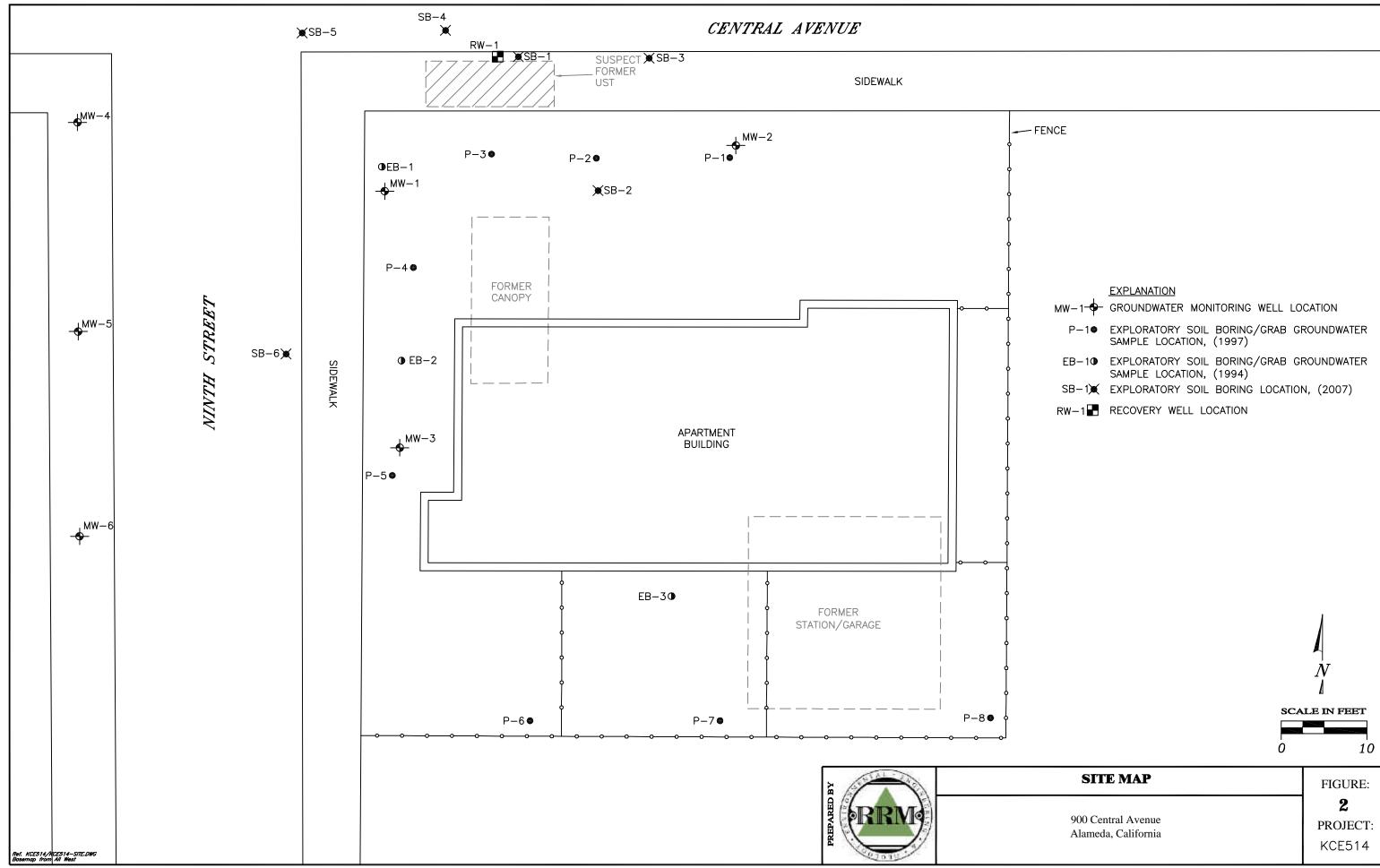
3 = the laboratory reported results are elevated due to non-target compounds within the gasoline range

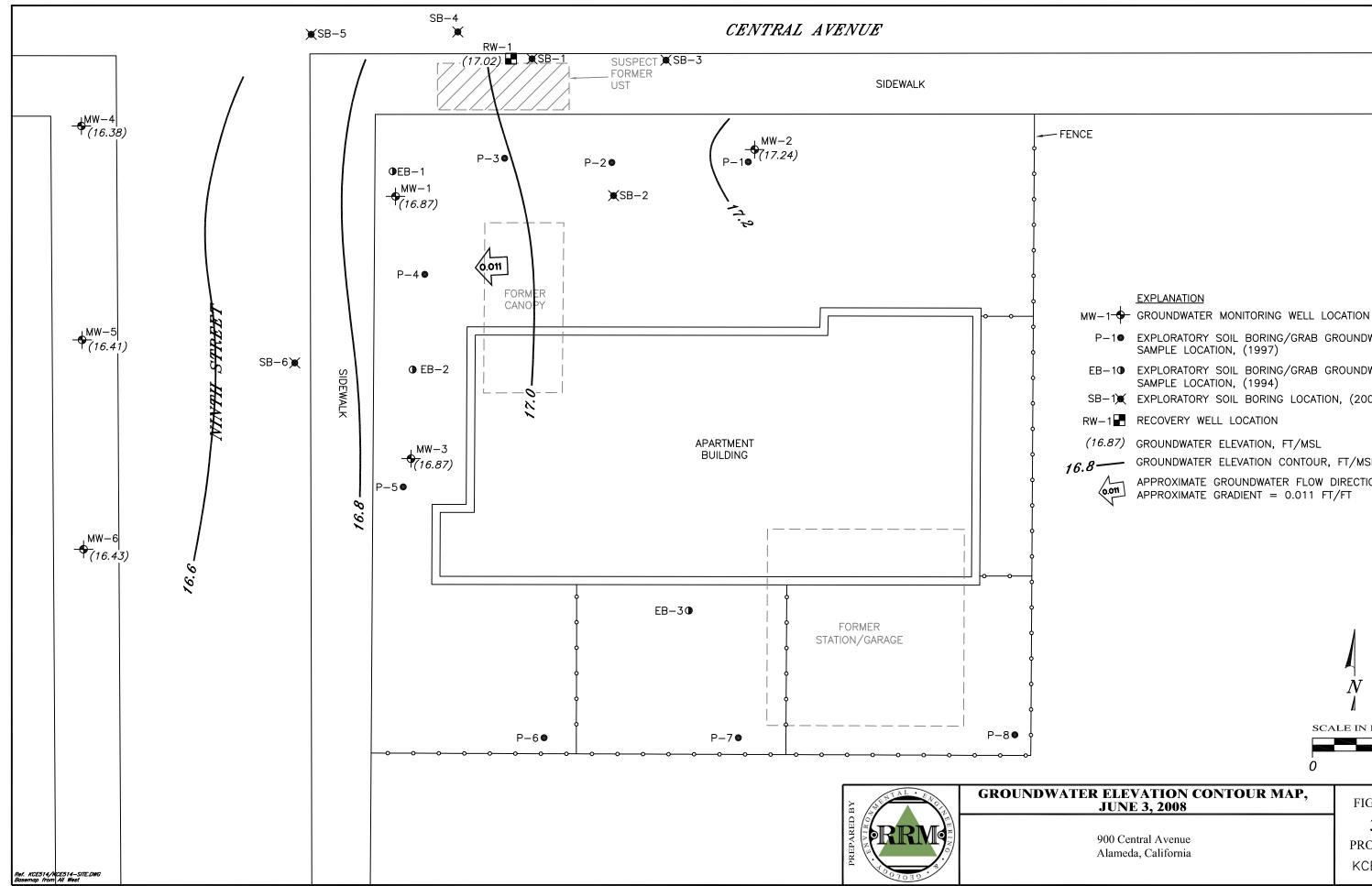
4 = also sampled for the fuel oxygenates ethyl tert-butyl ether (ETBE), t-butyl alcohol (t-butanol) (TBA), and tert-amyl methyl ether (TAME); none of these compounds detected above the laboratory limit.

5 = laboratory noted that although TPH as gasoline constituents are present, TPH value includes a significant portion of non-target hydrocarbons present within gasoline range.





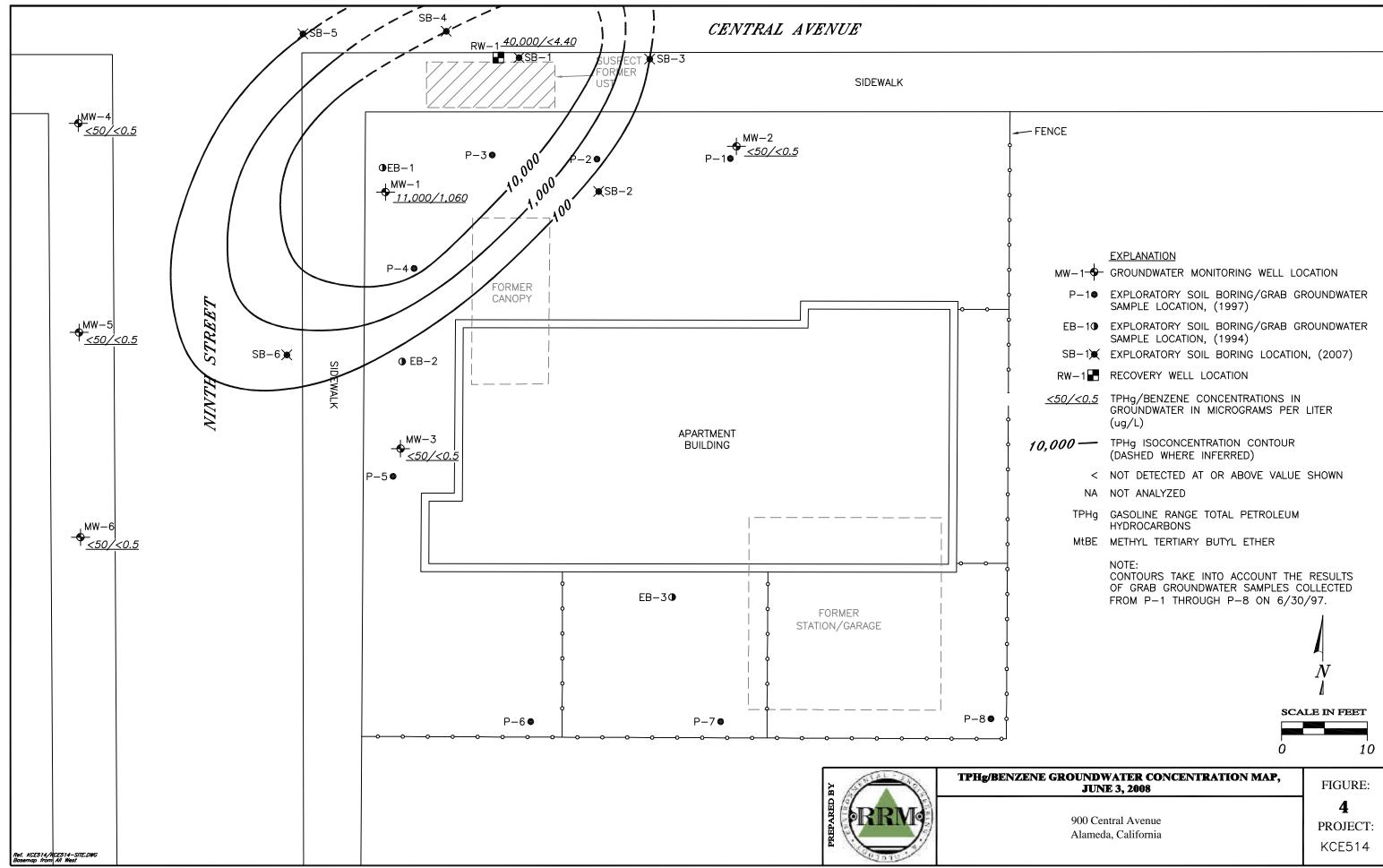




NSCALE IN FEET 0 10 GROUNDWATER ELEVATION CONTOUR MAP, JUNE 3, 2008 FIGURE: 3 900 Central Avenue PROJECT: Alameda, California KCE514

P-1●	EXPLORATORY SOIL BORING/GRAB GROUNDWATER SAMPLE LOCATION, (1997)
EB−1 Φ	EXPLORATORY SOIL BORING/GRAB GROUNDWATER SAMPLE LOCATION, (1994)
SB-1)	EXPLORATORY SOIL BORING LOCATION, (2007)
RW-1	RECOVERY WELL LOCATION
(16.87)	GROUNDWATER ELEVATION, FT/MSL
16.8—	GROUNDWATER ELEVATION CONTOUR, FT/MSL
0.011	APPROXIMATE GROUNDWATER FLOW DIRECTION; APPROXIMATE GRADIENT = 0.011 FT/FT

EXPLANATION



A

SUMMARY OF PRIOR INVESTIGATION WORK

ATTACHMENT A SUMMARY OF PRIOR INVESTIGATION WORK

Historic Remedial Investigations and Groundwater Monitoring

April 1994 Subsurface Investigations - Lowney Associates (Lowney) of Mountain View, CA conducted a site history review that included historic Sanborn maps and aerial photos and completed a subsurface investigation. During the investigation, three bore holes (EB-1 through EB-3) were completed to 20 feet bgs in and around the incorrectly presumed location of the former USTs and pump island; soil samples were collected at 5-foot intervals, geologic logs were prepared; grab groundwater samples were collected from each boring; all groundwater and select soil samples (15 to 16-foot interval) were analyzed for motor oil range total petroleum hydrocarbons (TPHmo), diesel range TPH (TPHd), gasoline range TPH (TPHg), benzene, toluene, ethyl benzene, and xylenes (collectively BTEX); and a leachability test was conducted on the soil sample collected from Boring EB-1. TPHg and benzene were detected in the soil sample collected from EB-1 at 95 parts per million (ppm) and 400 parts per billion (ppb) respectively. In the grab groundwater sample from EB-1, TPHg and benzene were detected at 76,000 ppb and 2,200 ppb respectively (*Lowney Associates, "Soil and Groundwater Quality Reconnaissance" July 20, 1994*).

June 1997 Subsurface Investigations and RBCA Analyses - Allwest Environmental Inc. (Allwest) of San Francisco, CA conducted a file review to assess potential on-site and off-site sources of subsurface contamination. They also advanced eight geoprobe-type soil borings (P-1 through P-8) to 16 feet bgs in and around the presumed location of the former USTs and pump island; collected soil samples at 5-foot intervals and field-tested the samples for total volatile hydrocarbons with an organic vapor analyzer (OVA); prepared geologic logs; collected grab groundwater samples from each boring; and analyzed 31 soil samples and eight groundwater samples for TPHg and BTEX. They reported discolored/odorous soils at 10 to 12 feet bgs in borings P-2 through P-4. TPHg was detected at 4,600 ppm in the soil sample collected at 14.5 feet bgs from Boring P-3. TPHg was detected in five of the eight grab groundwater samples with the highest concentration of 92,000 ppb at Boring P-3. Tier 1 and Tier 2 risk-based corrective-action evaluations were conducted using ASTM methodology. On the basis of the results Allwest concluded that there were no significant human health risks and no need for active remediation (*Allwest, "Subsurface Investigation Report," August 5, 1997*).

November 1998 Well Installations and Sampling – Allwest advanced three bore holes to 18 feet bgs at the northeast quadrant of the site; collected soil samples at 5-foot intervals and field tested the samples for TVH using a field OVA; prepared geologic logs; converted the borings to 2-inch diameter monitoring wells (MW-1 through MW-3) and developed, surveyed, sounded, purged and sampled the wells; and analyzed three groundwater samples for TPHg and BTEX. The depth to groundwater was approximately 12 feet bgs. TPHg and benzene was detected only in the sample from MW-1 at 360 ppb and 5.8 ppb

respectively. The well installation report included a recommendation to monitor the wells quarterly for one year. This recommendation was approved by the County (*Allwest "Groundwater Monitoring Well Installation and Sampling" February 2, 1999*).

1999-Quarterly Groundwater Monitoring – From March through September 1999, Allwest conducted three quarterly groundwater monitoring events during which they sounded purged and sampled the three wells. The samples were analyzed for TPHmo, TPHd, and TPHg, and BTEX. Depth to groundwater ranged seasonally from approximately 6 to 12 feet bgs. TPHg was only detected in MW-1 at concentrations ranging from less than 50 ppb to 14,000 ppb. Based on the results, Allwest recommended conducting a risk assessment (*Allwest "Quarterly Groundwater Monitoring Reports" with the following dates: March 3, 1999; July 2, 1999; and October 14, 1999*).

2002-Quarterly Groundwater Monitoring– From March through December 2002, Allwest conducted four quarterly groundwater monitoring events during which they sounded, purged, and sampled the three wells. The samples were analyzed for TPHmo, TPHd, TPHg, and BTEX. Depth to groundwater ranged from approximately 8 to 13 feet bgs. TPHg was only detected in MW-1 at concentrations ranging from less than 50 ppb to 42,000 ppb; Methyl tert-Butyl Ether (MtBE) was not detected (*Allwest "Quarterly Groundwater Monitoring Reports" with the following dates: June 26, 2002; August 8, 2002; October 25, 2002; and "2002 Annual Groundwater Monitoring & Risk Assessment Report," January 31, 2003).*

2003-Production Well Survey, Conceptual Model and Risk Assessment – In December 2002, Allwest reviewed agency files to locate nearby water production wells and identified four irrigation wells and one monitoring well within approximately 500 feet of the site. They prepared a site conceptual model consisting of a 3-dimensional drawing showing known areas of subsurface contamination and potential sensitive receptors. They performed a cursory risk assessment using risk-based screening levels (RBSLs) set forth in published Regional Water Quality Control Board (RWQCB) lookup tables. Based on the risk assessment, Allwest concluded that the levels of TPHg and benzene in groundwater at MW-posed a possible risk to nearby residences via the vapor intrusion pathway. (*Allwest: "2002 Annual Groundwater Monitoring & Risk Assessment Report," January 31, 2003*).

B

FIELD AND ANALYTICAL PROCEDURES

ATTACHMENT B FIELD AND ANALYTICAL PROCEDURES

Groundwater Sampling

Groundwater sampling procedures consisted of initially measuring and documenting the water level in the well and checking the well for the presence of separate-phase hydrocarbon (SPH) using an oil/water interface probe or a clear Teflon bailer. If the well did not contain SPH, it was purged a minimum of three casing volumes or until dry. During purging, well stabilization parameters (temperature, pH, and electrical conductivity) were monitored. After 80% recovery of the water levels, a groundwater sample was collected with a clean Teflon bailer and placed into the appropriate EPA-approved containers. Sampling equipment was cleaned with tri-sodium phosphate between uses. The samples were labeled and transported under iced storage to the laboratory using appropriate chain-of-custody documentation.

Laboratory Analytical Procedures

Select soil and all groundwater samples collected from new and existing wells were analyzed in the laboratory for the presence of gasoline range total petroleum hydrocarbons; benzene, toluene, ethylbenzene, and total xylenes using GC/MS and EPA Methods 8260B, 8015B, and 8021B. Select groundwater samples were analyzed for methyl tertiary butyl ether and other oxygenates including: ethyl tertiary butyl ether, tertiary butanol, diisopropyl ether, and tertiary amyl methyl ether using EPA Method 8260B.

C

CERTIFIED ANALYTICAL REPORTS, CHAIN-OF-CUSTODY DOCUMENTATION, AND FIELD DATA SHEETS



June 10, 2008

Matt Kaempf Remediation Risk Management, Inc. 2560 Soquel Ave, Suite 202 Santa Cruz, CA 95062

TEL: (831) 475-8141 FAX (831)475-8249

RE: KCE514 900 Central Ave

Dear Matt Kaempf:

Order No.: 0806010

Torrent Laboratory, Inc. received 7 samples on 6/3/2008 for the analyses presented in the following report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Reported data is applicable for only the samples received as part of the order number referenced above.

Torrent Laboratory, Inc, is certified by the State of California, ELAP #1991. If you have any questions regarding these tests results, please feel free to contact the Project Management Team at (408)263-5258;ext: 204.

Sincerely,

Laboratory Director

Patti Sandrock QA Officer

dida



TORRENT LABORATORY, INC.

483 Sinclair Frontage Road • Milpitas, CA • Phone: (408) 263-5258 • Fax: (408) 263-8293

Visit us at www.torrentlab.com email: analysis@torrentlab.com

Report prepared for: Matt Kaempf Remediation Risk Management, Inc.

Date Received: 6/3/2008 **Date Reported:** 6/10/2008

Client Sample ID:	MW-1
Sample Location:	900 Central Ave, Alameda
Sample Matrix:	GROUNDWATER
Date/Time Sampled	6/3/2008 10:05:00 AM

Lab Sample ID: 0806010-001 Date Prepared: 6/4/2008

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Benzene	SW8260B	6/4/2008	0.5	22	11.0	1060	µg/L	P16499
Diisopropyl ether (DIPE)	SW8260B	6/4/2008	0.5	22	11.0	ND	µg/L	P16499
Ethyl tert-butyl ether (ETBE)	SW8260B	6/4/2008	0.5	22	11.0	ND	µg/L	P16499
Ethylbenzene	SW8260B	6/4/2008	0.5	22	11.0	784	µg/L	P16499
t-Butyl alcohol (t-Butanol)	SW8260B	6/4/2008	10	22	220	ND	µg/L	P16499
tert-Amyl methyl ether (TAME)	SW8260B	6/4/2008	0.5	22	11.0	ND	µg/L	P16499
Toluene	SW8260B	6/4/2008	0.5	22	11.0	2080	µg/L	P16499
Xylenes, Total	SW8260B	6/4/2008	1.5	22	33.0	4370	µg/L	P16499
Surr: Dibromofluoromethane	SW8260B	6/4/2008	0	22	61.2-131	109	%REC	P16499
Surr: 4-Bromofluorobenzene	SW8260B	6/4/2008	0	22	64.1-120	81.4	%REC	P16499
Surr: Toluene-d8	SW8260B	6/4/2008	0	22	75.1-127	99.0	%REC	P16499
TPH (Gasoline)	SW8260B(TPH)	6/5/2008	50	22	1100	11000	µg/L	T16499
Surr: 4-Bromofllurobenzene	SW8260B(TPH)	6/5/2008	0	22	58.4-133	69.0	%REC	T16499

Note: Although TPH as Gasoline constituents are present, TPH value includes a significant portion of non-target hydrocarbons within gasoline range.

Client Sample ID:	MW-2
Sample Location:	900 Central Ave, Alameda
Sample Matrix:	GROUNDWATER
Date/Time Sampled	6/3/2008 9:50:00 AM

Lab Sample ID: 0806010-002 Date Prepared: 6/4/2008

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Benzene	SW8260B	6/4/2008	0.5	1	0.500	ND	µg/L	P16499
Diisopropyl ether (DIPE)	SW8260B	6/4/2008	0.5	1	0.500	ND	µg/L	P16499
Ethyl tert-butyl ether (ETBE)	SW8260B	6/4/2008	0.5	1	0.500	ND	µg/L	P16499
Ethylbenzene	SW8260B	6/4/2008	0.5	1	0.500	ND	μg/L	P16499
t-Butyl alcohol (t-Butanol)	SW8260B	6/4/2008	10	1	10.0	ND	μg/L	P16499
tert-Amyl methyl ether (TAME)	SW8260B	6/4/2008	0.5	1	0.500	ND	μg/L	P16499
Toluene	SW8260B	6/4/2008	0.5	1	0.500	ND	μg/L	P16499
Xylenes, Total	SW8260B	6/4/2008	1.5	1	1.50	ND	µg/L	P16499
Surr: Dibromofluoromethane	SW8260B	6/4/2008	0	1	61.2-131	112	%REC	P16499
Surr: 4-Bromofluorobenzene	SW8260B	6/4/2008	0	1	64.1-120	88.6	%REC	P16499
Surr: Toluene-d8	SW8260B	6/4/2008	0	1	75.1-127	113	%REC	P16499
TPH (Gasoline)	SW8260B(TPH)	6/5/2008	50	1	50	ND	µg/L	T16499
Surr: 4-Bromofllurobenzene	SW8260B(TPH)	6/5/2008	0	1	58.4-133	77.6	%REC	T16499

Client Sample ID:	MW-3
Sample Location:	900 Central Ave, Alameda
Sample Matrix:	GROUNDWATER
Date/Time Sampled	6/3/2008 9:30:00 AM

Lab Sample ID: 0806010-003 Date Prepared: 6/4/2008

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Benzene	SW8260B	6/4/2008	0.5	1	0.500	ND	µg/L	P16499
Diisopropyl ether (DIPE)	SW8260B	6/4/2008	0.5	1	0.500	ND	µg/L	P16499
Ethyl tert-butyl ether (ETBE)	SW8260B	6/4/2008	0.5	1	0.500	ND	µg/L	P16499
Ethylbenzene	SW8260B	6/4/2008	0.5	1	0.500	ND	µg/L	P16499
t-Butyl alcohol (t-Butanol)	SW8260B	6/4/2008	10	1	10.0	ND	µg/L	P16499
tert-Amyl methyl ether (TAME)	SW8260B	6/4/2008	0.5	1	0.500	ND	µg/L	P16499
Toluene	SW8260B	6/4/2008	0.5	1	0.500	ND	µg/L	P16499
Xylenes, Total	SW8260B	6/4/2008	1.5	1	1.50	ND	µg/L	P16499
Surr: Dibromofluoromethane	SW8260B	6/4/2008	0	1	61.2-131	112	%REC	P16499
Surr: 4-Bromofluorobenzene	SW8260B	6/4/2008	0	1	64.1-120	89.3	%REC	P16499
Surr: Toluene-d8	SW8260B	6/4/2008	0	1	75.1-127	116	%REC	P16499
TPH (Gasoline)	SW8260B(TPH)	6/5/2008	50	1	50	ND	µg/L	T16499
Surr: 4-Bromofllurobenzene	SW8260B(TPH)	6/5/2008	0	1	58.4-133	77.6	%REC	T16499

Client Sample ID:	MW-4
Sample Location:	900 Central Ave, Alameda
Sample Matrix:	GROUNDWATER
Date/Time Sampled	6/3/2008 9:10:00 AM

Lab Sample ID: 0806010-004 Date Prepared: 6/4/2008

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Benzene	SW8260B	6/4/2008	0.5	1	0.500	ND	µg/L	P16499
Diisopropyl ether (DIPE)	SW8260B	6/4/2008	0.5	1	0.500	ND	µg/L	P16499
Ethyl tert-butyl ether (ETBE)	SW8260B	6/4/2008	0.5	1	0.500	ND	μg/L	P16499
Ethylbenzene	SW8260B	6/4/2008	0.5	1	0.500	ND	µg/L	P16499
t-Butyl alcohol (t-Butanol)	SW8260B	6/4/2008	10	1	10.0	ND	µg/L	P16499
tert-Amyl methyl ether (TAME)	SW8260B	6/4/2008	0.5	1	0.500	ND	μg/L	P16499
Toluene	SW8260B	6/4/2008	0.5	1	0.500	ND	µg/L	P16499
Xylenes, Total	SW8260B	6/4/2008	1.5	1	1.50	ND	µg/L	P16499
Surr: Dibromofluoromethane	SW8260B	6/4/2008	0	1	61.2-131	116	%REC	P16499
Surr: 4-Bromofluorobenzene	SW8260B	6/4/2008	0	1	64.1-120	91.5	%REC	P16499
Surr: Toluene-d8	SW8260B	6/4/2008	0	1	75.1-127	109	%REC	P16499
TPH (Gasoline)	SW8260B(TPH)	6/5/2008	50	1	50	ND	µg/L	T16499
Surr: 4-Bromofllurobenzene	SW8260B(TPH)	6/5/2008	0	1	58.4-133	69.0	%REC	T16499

Client Sample ID:	MW-5
Sample Location:	900 Central Ave, Alameda
Sample Matrix:	GROUNDWATER
Date/Time Sampled	6/3/2008 8:55:00 AM

Lab Sample ID: 0806010-005 Date Prepared: 6/4/2008

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Benzene	SW8260B	6/4/2008	0.5	1	0.500	ND	µg/L	P16499
Diisopropyl ether (DIPE)	SW8260B	6/4/2008	0.5	1	0.500	ND	µg/L	P16499
Ethyl tert-butyl ether (ETBE)	SW8260B	6/4/2008	0.5	1	0.500	ND	µg/L	P16499
Ethylbenzene	SW8260B	6/4/2008	0.5	1	0.500	ND	µg/L	P16499
t-Butyl alcohol (t-Butanol)	SW8260B	6/4/2008	10	1	10.0	ND	µg/L	P16499
tert-Amyl methyl ether (TAME)	SW8260B	6/4/2008	0.5	1	0.500	ND	µg/L	P16499
Toluene	SW8260B	6/4/2008	0.5	1	0.500	ND	µg/L	P16499
Xylenes, Total	SW8260B	6/4/2008	1.5	1	1.50	ND	µg/L	P16499
Surr: Dibromofluoromethane	SW8260B	6/4/2008	0	1	61.2-131	117	%REC	P16499
Surr: 4-Bromofluorobenzene	SW8260B	6/4/2008	0	1	64.1-120	81.0	%REC	P16499
Surr: Toluene-d8	SW8260B	6/4/2008	0	1	75.1-127	97.9	%REC	P16499
TPH (Gasoline)	SW8260B(TPH)	6/5/2008	50	1	50	ND	µg/L	T16499
Surr: 4-Bromofllurobenzene	SW8260B(TPH)	6/5/2008	0	1	58.4-133	69.0	%REC	T16499

Client Sample ID:	MW-6
Sample Location:	900 Central Ave, Alameda
Sample Matrix:	GROUNDWATER
Date/Time Sampled	6/3/2008 8:40:00 AM

Lab Sample ID: 0806010-006 Date Prepared: 6/4/2008

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Benzene	SW8260B	6/4/2008	0.5	1	0.500	ND	µg/L	P16499
Diisopropyl ether (DIPE)	SW8260B	6/4/2008	0.5	1	0.500	ND	µg/L	P16499
Ethyl tert-butyl ether (ETBE)	SW8260B	6/4/2008	0.5	1	0.500	ND	μg/L	P16499
Ethylbenzene	SW8260B	6/4/2008	0.5	1	0.500	ND	μg/L	P16499
t-Butyl alcohol (t-Butanol)	SW8260B	6/4/2008	10	1	10.0	ND	µg/L	P16499
tert-Amyl methyl ether (TAME)	SW8260B	6/4/2008	0.5	1	0.500	ND	µg/L	P16499
Toluene	SW8260B	6/4/2008	0.5	1	0.500	ND	µg/L	P16499
Xylenes, Total	SW8260B	6/4/2008	1.5	1	1.50	ND	µg/L	P16499
Surr: Dibromofluoromethane	SW8260B	6/4/2008	0	1	61.2-131	117	%REC	P16499
Surr: 4-Bromofluorobenzene	SW8260B	6/4/2008	0	1	64.1-120	95.9	%REC	P16499
Surr: Toluene-d8	SW8260B	6/4/2008	0	1	75.1-127	104	%REC	P16499
TPH (Gasoline)	SW8260B(TPH)	6/5/2008	50	1	50	ND	µg/L	T16499
Surr: 4-Bromofllurobenzene	SW8260B(TPH)	6/5/2008	0	1	58.4-133	69.0	%REC	T16499

These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991

Date Received:	6/3/2008
Date Reported:	6/10/2008

Client Sample ID:	RW-1
Sample Location:	900 Central Ave, Alameda
Sample Matrix:	GROUNDWATER
Date/Time Sampled	6/3/2008 10:25:00 AM

Lab Sample ID: 0806010-007 Date Prepared: 6/6/2008

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Benzene	SW8260B	6/6/2008	0.5	8.8	4.40	ND	µg/L	R16516
Diisopropyl ether (DIPE)	SW8260B	6/6/2008	0.5	8.8	4.40	ND	µg/L	R16516
Ethyl tert-butyl ether (ETBE)	SW8260B	6/6/2008	0.5	8.8	4.40	ND	µg/L	R16516
Ethylbenzene	SW8260B	6/6/2008	0.5	8.8	4.40	1100	µg/L	R16516
t-Butyl alcohol (t-Butanol)	SW8260B	6/6/2008	10	8.8	88.0	ND	µg/L	R16516
tert-Amyl methyl ether (TAME)	SW8260B	6/6/2008	0.5	8.8	4.40	ND	µg/L	R16516
Toluene	SW8260B	6/6/2008	0.5	8.8	4.40	120	µg/L	R16516
Xylenes, Total	SW8260B	6/6/2008	1.5	44	66.0	8810	µg/L	R16516
Surr: Dibromofluoromethane	SW8260B	6/6/2008	0	8.8	61.2-131	103	%REC	R16516
Surr: Dibromofluoromethane	SW8260B	6/6/2008	0	44	61.2-131	107	%REC	R16516
Surr: 4-Bromofluorobenzene	SW8260B	6/6/2008	0	8.8	64.1-120	117	%REC	R16516
Surr: 4-Bromofluorobenzene	SW8260B	6/6/2008	0	44	64.1-120	110	%REC	R16516
Surr: Toluene-d8	SW8260B	6/6/2008	0	8.8	75.1-127	117	%REC	R16516
Surr: Toluene-d8	SW8260B	6/6/2008	0	44	75.1-127	118	%REC	R16516
TPH (Gasoline)	SW8260B(TPH)	6/6/2008	50	44	2200	40000	µg/L	G16516
Surr: 4-Bromofllurobenzene	SW8260B(TPH)	6/6/2008	0	44	58.4-133	94.8	%REC	G16516

Note: Although TPH as Gasoline constituents are present, results are elevated due to the presence of non-target compounds within range of C5-C12 quantified as Gasoline

Definitions, legends and Notes

Note	Description
ug/kg	Microgram per kilogram (ppb, part per billion).
ug/L	Microgram per liter (ppb, part per billion).
mg/kg	Milligram per kilogram (ppm, part per million).
mg/L	Milligram per liter (ppm, part per million).
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate.
MDL	Method detection limit.
MRL	Modified reporting limit. When sample is subject to dilution, reporting limit times dilution factor yields MRL.
MS/MSD	Matrix spike/matrix spike duplicate.
N/A	Not applicable.
ND	Not detected at or above detection limit.
NR	Not reported.
QC	Quality Control.
RL	Reporting limit.
% RPD	Percent relative difference.
а	pH was measured immediately upon the receipt of the sample, but it was still done outside the holding time.
sub	Analyzed by subcontracting laboratory, Lab Certificate #

Torrent Laboratory, Inc.

CLIENT: Remediation Risk Management, Inc.

Work Order: 0806010

KCE514 900 Central Ave **Project:**

ANALYTICAL QC SUMMARY REPORT

BatchID: G16516

Sample ID MB_G16516	SampType: MBLK	TestCode: TPH_GAS_W Units: µg/L	Prep Date: 6/5/2008	RunNo: 16516
Client ID: ZZZZZ	Batch ID: G16516	TestNo: SW8260B(TP	Analysis Date: 6/5/2008	SeqNo: 236774
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual
TPH (Gasoline) Surr: 4-Bromofllurobenzene	ND 11.00	50 0 11.36 0	96.8 58.4 133	
Sample ID LCS_G16516	SampType: LCS	TestCode: TPH_GAS_W Units: µg/L	Prep Date: 6/5/2008	RunNo: 16516
Client ID: ZZZZZ	Batch ID: G16516	TestNo: SW8260B(TP	Analysis Date: 6/5/2008	SeqNo: 236775
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual
TPH (Gasoline)	194.0	50 227 0	85.5 52.4 127	
Surr: 4-Bromofllurobenzene	11.00	0 11.36 0	96.8 58.4 133	
Sample ID LCSD_G16516	SampType: LCSD	TestCode: TPH_GAS_W Units: µg/L	Prep Date: 6/6/2008	RunNo: 16516
Client ID: ZZZZZ	Batch ID: G16516	TestNo: SW8260B(TP	Analysis Date: 6/6/2008	SeqNo: 236776
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual
TPH (Gasoline)	190.0	50 227 0	83.7 52.4 127 194	2.08 20
Surr: 4-Bromofllurobenzene	11.00	0 11.36 0	96.8 58.4 133 0	0 0

S

Analyte detected below quantitation limits J

CLIENT: Remediation Risk Management, Inc.

Work Order: 0806010

Project:

KCE514 900 Central Ave

ANALYTICAL QC SUMMARY REPORT

BatchID: P16499

RunNo: 1	RunNo: 16499	
SeqNo: 2	SeqNo: 236491	
%RP[%RPD RPDLimi	t Qual
RunNo: 1	RunNo: 16499	
SeqNo: 2	SeqNo: 236492	
%RP[%RPD RPDLimi	t Qual
RunNo: 1	RunNo: 16499	
SeqNo: 2	SeqNo: 236493	
%RP[%RPD RPDLimi	t Qual
0.492	0.492 20)
3.53	3.53 20)
(0	0
(0	0
(0	0
below	velow	

Value above quantitation range **Qualifiers:** Е

Holding times for preparation or analysis exceeded Н

Analyte detected below quantitation limits J S

ND Not Detected at the Reporting Limit

RPD outside accepted recovery limits R

Spike Recovery outside accepted recovery limits Page 2 of 4

CLIENT: Remediation Risk Management, Inc.

Work Order: 0806010

KCE514 900 Central Ave **Project:**

ANALYTICAL QC SUMMARY REPORT

BatchID: R16516

Sample ID MB_R16516	SampType: MBLK	TestCo	de: 8260B_W	Units: µg/L		Prep Date:	6/5/200	8	RunNo: 16	516	
Client ID: ZZZZZ	Batch ID: R16516	Test	No: SW8260B			Analysis Date:	6/5/200	8	SeqNo: 23	6750	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit H	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.500									
Diisopropyl ether (DIPE)	ND	0.500									
Ethyl tert-butyl ether (ETBE)	ND	0.500									
Ethylbenzene	ND	0.500									
t-Butyl alcohol (t-Butanol)	ND	5.00									
tert-Amyl methyl ether (TAME)	ND	0.500									
Toluene	ND	0.500									
Xylenes, Total	ND	1.50									
Surr: Dibromofluoromethane	10.02	0	11.36	0	88.2	61.2	131				
Surr: 4-Bromofluorobenzene	12.54	0	11.36	0	110	64.1	120				
Surr: Toluene-d8	13.01	0	11.36	0	115	75.1	127				
Sample ID LCS_R16516	SampType: LCS	TestCo	de: 8260B_W	Units: µg/L		Prep Date:	6/5/200	8	RunNo: 16	516	
Client ID: ZZZZZ	Batch ID: R16516	Test	No: SW8260B			Analysis Date:	6/5/200	8	SeqNo: 23	6751	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit H	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	18.60	0.500	17.04	0	109	66.9	140				
Toluene	16.61	0.500	17.04	0	97.5	76.6	123				
Surr: Dibromofluoromethane	12.21	0	11.36	0	107	61.2	131				
Surr: 4-Bromofluorobenzene	12.30	0	11.36	0	108	64.1	120				
Surr: Toluene-d8	12.51	0	11.36	0	110	75.1	127				
Sample ID LCSD_R16516	SampType: LCSD	TestCo	de: 8260B_W	Units: µg/L		Prep Date:	6/6/200	8	RunNo: 16	516	
Client ID: ZZZZZ	Batch ID: R16516	Test	No: SW8260B			Analysis Date:	6/6/200	8	SeqNo: 23	6752	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit H	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	17.26	0.500	17.04	0	101	66.9	140	18.6	7.47	20	
Toluene	16.87	0.500	17.04	0	99.0	76.6	123	16.61	1.55	20	
Surr: Dibromofluoromethane	12.41	0	11.36	0	109	61.2	131	0	0	0	
				0	447	C 4 4	100	0	0	0	
Surr: 4-Bromofluorobenzene	13.24	0	11.36	0	117	64.1	120	0	0	0	

Value above quantitation range **Qualifiers:** Е

Holding times for preparation or analysis exceeded Н

Analyte detected below quantitation limits J S

ND Not Detected at the Reporting Limit

RPD outside accepted recovery limits R

Spike Recovery outside accepted recovery limits Page 3 of 4

CLIENT: Remediation Risk Management, Inc.

Work Order: 0806010

Project: KCE514 900 Central Ave

ANALYTICAL QC SUMMARY REPORT

BatchID: T16499

Sample ID MB_T16499	SampType: MBLK	TestCode: TPH_GAS_W Units: µg/L	Prep Date: 6/5/2008	RunNo: 16499
Client ID: ZZZZZ	Batch ID: T16499	TestNo: SW8260B(TP	Analysis Date: 6/5/2008	SeqNo: 236661
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual
TPH (Gasoline)	ND	50		
Surr: 4-Bromofllurobenzene	9.000	0 11.36 0	79.2 58.4 133	
Sample ID LCS_T16499	SampType: LCS	TestCode: TPH_GAS_W Units: µg/L	Prep Date: 6/5/2008	RunNo: 16499
Client ID: ZZZZZ	Batch ID: T16499	TestNo: SW8260B(TP	Analysis Date: 6/5/2008	SeqNo: 236662
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual
TPH (Gasoline)	214.0	50 227 0	94.3 52.4 127	
Surr: 4-Bromofllurobenzene	10.00	0 11.36 0	88.0 58.4 133	
Sample ID LCSD_T16499	SampType: LCSD	TestCode: TPH_GAS_W Units: µg/L	Prep Date: 6/5/2008	RunNo: 16499
Client ID: ZZZZZ	Batch ID: T16499	TestNo: SW8260B(TP	Analysis Date: 6/5/2008	SeqNo: 236663
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual
TPH (Gasoline)	196.0	50 227 0	86.3 52.4 127 214	8.78 20
Surr: 4-Bromofllurobenzene	10.00	0 11.36 0	88.0 58.4 133 0	0 0

S

Analyte detected below quantitation limits J

匚	Torrent	483 Sinclair Fr Milpitas, CA 9 Phone: 408.26 FAX: 408.263.4	5035 3.5258	- 1926) - 1926) - 1926)		CHA						L Mathe		·	LAB WORK ORDER NO
	LABORATORY, INC.	FAX: 408.263. www.torrentlab		(•NO	TE: SHA		ф1999-1495 (S						alalite <u>a i</u> si		
Company	Name: RRM, The.											4vr.	\mathcal{A}	llam	edq.
Address:	2500 Soquel Ave anta Crive st	. #202				ose: 🙎									
City: S	auta Crive st	ate	Zip Code	:95062							n+BE	-			· . · · · .
Telephon	e: 931 475 8141 FAX	: 831 47	5 8249			OF-				289	EMAIL:	matte	Diala la f	c.cox	nt
	ro: Matt Kaempl					#: V			•		EMAIL:			labola	taerrmsc. com
10 Work	DUND TIME: Days 3 Work Days Noon - N Days 2 Work Days 2 - 8 Hou Days 1 Work Day Other	Weste V	/ater 🔲 Air Vater 🔲 Other	CLEV QC Lev EDF EXcel / I	el IV	Full List 8010 Lis	THP gas KBTEX C	THP Diesel Si-Gel	Pesticide - 8081	PCB - 8082	Metals, CAM - 17	8270 Full List PAHs Only			ANALYSIS REQUESTED
LAB ID	CLIENT'S SAMPLE I.D.	DATE / TIMI SAMPLED		# OF CONT	CONT TYPE						Metals				REMARKS
010	MW-1	060308/100)5 GW	3	HCL VOA		1							ŀ	
20	MW-Z	095	0		ţ					-					
30	MW-B	093	0												
ч0	Mw-4	09	10			~									
ssa.	Mw - 5	085	5												
60	MW-6	084	10								:				
7ନ	RW-1	1 102	5 🗸	\vee	Y		V								
								·							
						_									
Relinqu	shed By: Num W.'ll Bac	than O	:: 60308	Time:	45	Recei	ed By:	Na	1-1	Print:	A	51	Date:	י ינ	Time: 5.45
Relinqu 2	ished By: Print:	Dat	e:	Time:		Receiv	ed By:	1 * *	-	Print:	· · · -		Date:	y.	Time:
Vere Sam∣ NOTE: Sar ₋og In By:	ples Received in Good Condition?		2	•	r arrang		d of Ship s are ma		d	Da) 	S	ample s	eals inta	act? Yes NO N N ge

te Information 900-Central Ave. Project Address	⁻ Data Form	060308 Date		KCE514 Project Number	<u>.</u>	2560 Soquel Ave. #202 Santa Cruz, CA 95062 (831) 475-8141				
Alameda City		Alameda		California		10070 a D · *				
·····		County								
ater Level Equipmer			Measured By:	name			2			
			Notes:	name						
Oil Water Interface Other (specify)				·						
	·			·						
				First DTW	Total Depth	Depth to SPH	SPH Thickness			
DTW Order	Well ID	Time (24;00)	Total Depth	(toc or tob)	(toc or tob)	(toc or tob)	(toc or tob)	Notes (describe SPI		
#7	MW-1 //	0806	18.73	<u> </u>		· · · · · · · · · · · · · · · · · · ·				
#5	MW-2	0800.	18.40'	11.07		ļ		 		
#4	MW-3	0757	18.70'	10.82			· · ·			
#3	MW-4	0754	17.95'	10.99				 		
#2	MW-5	0750	17.95'	10.81				 		
#1	MW-6	0750	17.10'					<u> </u>		
#6	RW-1		19.05'	10.41				4" Well		
			i.					l		
· · · · · · · · · · · · · · · · · · ·		· ·	, 	<u> </u>				l		
				<u> </u>		} 	<u> </u>	l		
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		1	i					l		
	·	++	i					l		
		++		+				l		
		++	· · · · ·	<u> </u>	 			i		
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								i		
		+		<u> </u>				Г <u> </u>		
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		++		 						
		++								
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Groundwater S	Sampling Forn	1				THE N LAD	- Region	
Site Information							2560 8	Soquel Ave. #202
900 Central Ave. Project Address			MW-1 Well/Sample Point II	KCE514 Project Number	-		Santa	Cruz, CA 95062 31) 475-8141
Alameda		Alameda		California		120701	D	
City		County	·····	State				
Purge Information								
Water Level Equipm			Purge Equipment					
Electronic Indicat				Diposable	Teflon #:			
Other (specify)			Other (specify)					
		2						
	Purge Calculation	23	casing	gallons per	Purged By:			-
		-11.73	diameter	linear foot		name		
			0.75 in.	0.023	Purge Notes:			
	depth to water		1 in.	0.04				
	linear feet of water	= <u>7.35</u>	2 in.	K 0.17		ι.		
, g	allons per linear foot	x .17	4 in.	0.67				
	callons per casing	= 1.25	6 in.	1.5				
	gallons per casing	3		H				
	number of casings	^	other	calculate				
	calculated purge	= 3.79	1 cubic foot	= 7.48 gallons	Purged Dry?: N	l circie Y	Sampling Delay	?: Nicircle Y
	time (24:00)	gallons (purged)	pH (units)	EC (u s @ 25° C)	temp (°F circle	color (see below)	turbity (NTU or see below)	odor (see below)
start	0951	0						
volume 1	0153	1.25	7.01	182	17.0	cloudy	mod	Strong.
volume 2	0955	2.50	7.06	195	17.0	n	i L	ч
volume 3	0158	3.75	7.09	211	17.1	ч	ų	¥i
volume 4			_					
complete								
					·	brown, yellow cloudy, clear	heavy, moderate light, trace	strong, moderate slight, none
Groundwater Sampl	ing Information							
Sample Type		_	Sampling Equipment					
Monitoring Well		12	=		Teflon #:			
Extraction Well		Ļ	-	; type:				
		, L	Sampling Port					
Other (specify)		L	Other (specify)	·				
Sample ID	Date	Time (24:00)						
Mw-1	060308	1005				1		
1400					Sampled By:			
Dupe #		12:00		• .		name	·	
# of Cont.	Analyses (check	and circle)	Container/Size	Preservative	Sampling Notes	:		
	TPH gas (8260B	5)						
	BTEX (8260B)		40 ml					······································
		UDE (2070)				· ·		
	Fuel Oxys, no M	tBE (8270)		- HCD				
	MtBE (8270)		VOA					
	Other (specify) _							
								·····
	└──VOCs (8010 or 8		40 mi VOA	HCI	<u></u>			
	TPH diesel (801	5M)	1 liter amber	none				
	Metals (8010)		500 ml plastic	HNO₃		1	1	
	Other (specify) _				Signature:	un	M	\sim

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						NTAL	·	
Groundwater S	Sampling Form	<u>).</u>		·			reiz .	
Site Information						- D		Soquei Ave. #202
900 Central Ave.	·		MW-2	KCE514	_			a Cruz, CA 95062 831) 475-8141
Project Address			Well/Sample Point I	•				, ··
Alameda City		Alameda		California State			HD.	
Purge Information		<u> </u>			· · · · · · · · · · · · · · · · · · ·			
Water Level Equipm	lent		Purge Equipment			· · · ·		**************
Electronic Indicat	or		Bailer	Diposable				
Oil Water Interfac				ump; type:				
Other (specify)			Other (specify)			0		
	Purge Calculation		casing	gallons per	Purged By:	stay		
			diameter	linear foot	i diged by:	name		_
	total denth	= 18.40	0.75 in.	0.023	Purge Notes:			
	depth to water			H	Turge Notes.			
			1 in.	0.04			······	<u> </u>
	linear feet of water	= <u>7. 3.3</u>	2 in.	0.17		. <u>.</u>		
g	allons per linear foot	x17	4 in.	0.67				
	gallons per casing		6 in.	1.5		· ·		
				H			·····	
	number of casings		other	calculate				
	calculated purge	$= \frac{3.79}{1000}$	1 cubic foot	t = 7.48 gallons	Purged Dry?: N	circle Y	Sampling Delay	y?: Nicircle Y
	time	gallons	pH	EC (us@25°C)	temp (°F circle	color	turbity	odor
atart	(24:00) 0932	(purged)	(units)	(<i>US</i> (<u>U</u> 25 C)		(see below)	(NTU or see below	v] (see below)
start	0934	0	7.30	129	17.2	Srown	mod.	slight
volume 1 volume 2	0936	2.30	7.50	123	16.0	4	u	<u>Ju</u>
volume 2	0939	3.75				-	ļ.,	1
volume 3	0139	J: 75	7 .a	127	16.7	4	huje	11
volume 4								
complete								
L	- I					brown, yellow		strong, moderate
Groundwater Sampl	ing Information					cloudy, clear	light, trace	slight, none
Sample Type	ing mormation		Sampling Equipment					
Monitoring Well					Teflon #:	•		
Extraction Well			Submersible Pump					
			Sampling Port	, gpo				
Other (specify)			Other (specify)					
Sample ID	Date	Time (24:00)			١	-		
MN-2	060308	0950			Sampled By:	O I		
					Gampled by.	name		
Dupe #		12:00						
# of Cont.	Analyses (check	·····	Container/Size	Preservative	Sampling Notes:			
	TPH gas (8260E)						
	BTEX (8260B)		40 m					
3	Fuei Oxys, no M	tBE (8270)		HC				
1	MtBE (8270)							
	Other (specify)							
	VOCs (8010 or 8	3240 or 8260B)	40 ml VOA	нсі				
	TPH diesel (801		1 liter amber	none				
		,				<u> </u>		
	Metals (8010)		500 ml plastic	HNO₃		Luch	Λ	
	Other (specify) _				Signature:		~	

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Groundwate	r Sampling Form	า				WENTAL	I.N.C.	
Site Information		······································					2560	Soquel Ave. #202
900 Central Av Project Address	/e		MW-3 Well/Sample Point	KCE514	_		Santa	Cruz, CA 95062 331) 475-8141
Alameda		Alameda		California		120701	10.13	
City		County		State	······································	·		· ··· · · · · · · · · · · · · · · · ·
Purge Information		•						
Water Level Equi	•		Purge Equipment		— —			
Electronic Indi			Bailer	Diposable	Teflon #:			
Oil Water Inter				ump; type:	····-			
Other (specify			Other (specify)		,	0		
	Purge Calculation		casing diameter	gallons per linear foot	Purged By:	name		-
	total depth	= 18.70	0.75 in.	0.023	Purge Notes:			
	depth to water	1007	1 in.	H				
. 2	linear feet of water	7 94	1 11.	0.04				· · · · · · · · · · · · · · · · · · ·
	linear feet of water	= <u>+. 0%</u>	2 in.	0.17				
	gallons per linear foot	x4	4 in.	0.67				
	gallons per casing	_ /.3 ¹		1.5	• • •			
		7 1	-	Ħ		× · · ·		· · · · · · · · · · · · · · · · · · ·
	number of casings	^	other	calculate		······		
	calculated purge			t = 7.48 gallons	Purged Dry?: N	circle Y	Sampling Delay	?: N circle Y
	time (24:00)	gallons (purged)	pH (units)	EC (us@25°C)	(°F circle	color (see below)	NTU or see below	odor (see below)
start	0912	· 0						
volume 1	0915	1.25	7.61	214	17.5	Snow	Mod.	none
volume 2	2817	2.75	7.61	214	17.7	h	huy	h
volume 3	0917	4.25	7.01	205	17.7	<i>l</i> 1	u	
volume 4				<u> </u>				
				1			· · ·	l
complete						brown, yellow	heavy moderate	strong, moderate
						cloudy, clear	light, trace	slight, none
	npling Information							
Sample Type		•	Sampling Equipment		_			
Monitoring We					Teflon #:			
Extraction Wei			Submersible Pum	p; type:			\$	
Domestic Well			Sampling Port					:
	,		Other (specify)		-			
Sample ID	Date	Time (24:00)	1.					
MW-3	060308	093)				~ ~		
<u> </u>		<u>vis</u>			Sampled By:			
Dupe #		12:00				name		
# of Cont.	Analyses (check	and circle)	Container/Size	Preservative	Sampling Notes:			
	TPH gas (8260B)					·•	
	BTEX (8260B)		40 mk				·······	
3			\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Tur				
	Fuel Oxys, no M	tBE (8270)		HCY				
	MtBE (8270)		/VOX			•		
	Other (specify)							
							· · · · · · · · · · · · · · · · · · ·	
	VOCs (8010 or 8	3240 or 8260B)	40 ml VQA	нсі				
	TPH diesel (801)	5M)	1 liter amber	none				
	Metals (8010)		500 ml plastic	HNO3			1.	/
	Other (specify)					an		
			1	1	Signature:			

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						NTAL	· E AV	
Groundwater S	Sampling Form	<u>] ; </u>					Ez.	
Site Information						FAR		Soquel Ave. #202
900 Central Ave.			MW-4	KCE514	_			Cruz, CA 95062 331) 475-8141
Project Address			Well/Sample Point I					,
Alameda City		Alameda		California State		-	10	
Purge Information						l		
Water Level Equipm	ient		Purge Equipment	· .				
Electronic Indicate				Diposable	Teflon #:			•
Oil Water Interfac				Imp; type:				
Other (specify)			Other (specify)					
					$\frac{1}{2}$	úD		
	Purge Calculation		casing	gallons per	Purged By: 💙	<u> </u>		-
· · · ·	· · · · <u>· · · · · · · · · · · · · · · </u>	170	diameter	linear foot	-	name		
		= 17.95	0.75 in.	0.023	Purge Notes:			
	depth to water	- 10.19	1 in.	0.04				
	linear feet of water		2 in.	0.17				· · · · · · · · · · · · · · · · · · ·
				Ħ				
· . 9	allons per linear foot		4 in.	0.67				
	gallons per casing		6 in.	1.5				<u></u>
	number of casings	x 3	other	calculate				
	calculated purge				Durand Dur (b)		O and line Date	
L	calculated purge	= 3.07	1 cubic foot	= 7.48 gallons	Purged Dry?: N	circle Y	Sampling Delay	/?: Ni circle Y
· ·	time	gallons	pН	EC	temp	color	turbity	odor
·	(24:00)	(purged)	(units)	(us @ 25° C)	(°F circle °C)	(see below)	(NTU or see below	(see below)
start	0855	0					<i>.</i>	
volume 1	0858	1.25	7.24	200	17:0	stown	huy .	hone
volume 2	0900	2.50	7.17	287	18.0	4	h .	u
volume 3	0903	3.75	7.24	268	18.1	મ	n	~
volume 4								
complete		-				brown, yellow	beavy, moderate	strong, moderate
						cloudy, clear	light, trace	slight, none
Groundwater Sampl	ing Information	1987	i					
Sample Type			Sampling Equipment	·	_			
Monitoring Well				-	. Teflon #:			
Extraction Well			Submersible Pump	; type:	·			
Domestic Well		. L	Sampling Port					•
Other (specify)	file: "	. L	Other (specify)					
	····		÷					
Sample ID	Date	Time (24:00)					1	
MW-4	060308	0910	**		Sampled By: 📏	<u> </u>		
Dupe #		12:00				name		
# of Cont.	Analyses (check	and circle)	Container/Size	Preservative	Sampling Notes:			
			Containen Cizo	110001100110	company rolos.			
	TPH gas (82608	•)					*	<u> </u>
	BTEX (8260B)		640 m	+				
3	Fuel Oxys, no M	tBE (8270)		Her				
		· · · ·	1 VAN					
	MtBE (8270)				·	····· ,		······································
	Other (specify)		-			· · · · · · · · · · · · · · · · · · ·		<u> </u>
	VOCs (8010 or 8	3240 or 8260B)	40 ml VOA	нсі				
	TPH diesel (801		1 liter amber	none	· · · · · · · · · · · · · · · · · · ·			
		,						
	Metals (8010)		500 ml plastic	HNO₃		inhy	$\Lambda_{l_{l_{l_{l_{l_{l_{l_{l_{l_{l_{l_{l_{l_$	
	Other (specify)		I		Signature:			

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Field Data She						WHIAL	· EN	
Groundwater S	ampling Form	1					C zz	
Site Information						BR	YQ≍) Santa	Soquel Ave. #202 Cruz, CA 95062
900 Central Ave. Project Address			MW-5 Well/Sample Point ID	KCE514 Project Number			(8)	31) 475-8141
Alameda		Alameda		California		10070	10 . 4	
City		County		State				
Purge Information							··· ··	·····-
Water Level Equipme			Purge Equipment					
Electronic Indicato		-	Submersible Pu		Teflon #:			
Other (specify)			Other (specify)		·	_		
~	· · · · · · · · · · · · · · · · · · ·	·	· · · · · · · · · · · · · · · · · · ·	gallons per	Purged By:	Sol -		
	Purge Calculation		diameter	linear foot	Fulged By.	name		-
	total denth	= 17.95	0.75 in.	0.023	Purge Notes:	name		
	total depth	10 84		H	Pulge Notes.			
		- 10.84	1 in.	0.04				
	linear feet of water	= 7.11	2 in.	0.17			· · ·	
ga	llons per linear foot	x .11	4 in.	0.67				
	gallons per casing	= 1.21	6 in.	1.5				
	number of casings		other	calculate				
	calculated purge	2.63						
	calculated purge		1 cubic foot	= 7.48 gallons	Purged Dry?: N	circle Y	Sampling Delay	
	time (24:00)	gallons (purged)	pH (units)	EC (us@25°C)	(°F circle	color (see below)	(NTU or see below	odor (see below)
start	0840	0				(111 111)		
volume 1	0843	1.25	7.46	214	17.9	Spin	hay	hon
volume 2	0845	2.50	7.25	248	18.2	41	»L	
	0848	3.75	7.24	22.6	18.3	41	~	u
volume 3	VU 10		<u> </u>		10.2	······		
volume 4								
complete -						brown wollow	boow modomto	strong, moderate
						brown, yellow cloudy, clear	light, trace	slight, none
Groundwater Samplin	ng Information							
Sample Type			ampling Equipment	4			• . · ·	
Monitoring Well		. <u>X</u>	-		Teflon #:			
Domestic Well			Submersible Pump	, type				
Other (specify)		Le contra le contra en contra le co	Other (specify)				t	
		. Lu						
Sample ID	Date	Time (24:00)						•
MW-5	060308	0855			Sampled By: 🔪	8		
Dupe #	- <u> </u>	12:00				name	··· · - ··	
# of Cont.	Analyses (check	, <u></u>	Container/Size	Preservative	Sampling Notes:			. (
# of Oolit.			Containen Cize	Teservative	Camping Notes.			
	TPH gas (8260B)						
/	BTEX (8260B)		40 m	+	<u> </u>			
	Fuel Oxys, no M	tBE (8270)		HCI/			· · · · · · · · · · · · · · · · · · ·	
	MtBE (8270)		VØA					
	Other (specify)							
						=		
	UOCs (8010 or 8		40.ml VOA	HCI				
	TPH diesel (801	5M)	1 liter amber	none	·			
	Metals (8010)		500 ml plastic	HNO₃		and	m han	
	Other (specify) _				Signature:	un -		
_ <u> </u>	Line				•			

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Groundwater	Sampling Form	า				AN WHIT AL	- A CO	
Site Information	<u></u>						2560 S	Soquel Ave. #202
900 Central Ave. Project Address			MW-6 Well/Sample Point IC	KCE514 Project Number	-			Cruz, CA-95062 31) 475-8141
Alameda		Alameda		California		10070	10 . 4	
City		County		Stale				
Purge Information Water Level Equipr	nent		Purge Equipment					
Electronic Indica				Diposable	Teflon #:			
Oil Water Interfa				(M); type:				
Other (specify) _	· · · ·		Other (specify)		(\frown		
	Purge Calculation	Ì	casing	gallons per	Purged By:	-by		
	-		diameter	linear foot		name		
	total depth	<u>= 17.10</u>	0.75 in.	0.023	Purge Notes:			
	depth to water		1 in.	0.04				
	linear feet of water				<u> </u>			<u> </u>
			2 in.	Ē				<u> </u>
9	gallons per linear foot		4 in.	0.67	·			
	gallons per casing	$=\frac{1.04}{7}$	6 in.	1.5				
	number of casings		other	calculate				
	calculated purge	= <u>3.21</u>	1 cubic foot	= 7.48 gallons	Purged Dry?: N	circle Y	Sampling Delay	?: N circle Y
	time (24:00)	gallons (purged)	pH (units)	EC (us@25°C)	temp (°F circle °C)	color (see below)	turbity (NTU or see below)	odor (see below)
start	0820	0 '						
volume 1	0824	1.25	7.07	298	18.1	Stown	huy	hom
volume 2	0828	2.25	7.34	286	18.3	h	n	
volume 3	0831	3.25	7.50	280	18.2	h_	n	er .
								a construction of the second s
volume 4				I	11		·····	
complete						brown, yellow	heavy, moderate	strong, moderate
						cloudy, clear	light, trace	slight, none
Groundwater Samp	ling Information						1	
Sample Type		-	Sampling Equipment		Teflon #:			
Extraction Well			Submersible Pump					
		- F	Sampling Port	, , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
Other (specify)		ľ	Other (specify)		_	•		
Sample ID	Date	Time (24:00)	ξ.)	\circ		
MW-6	060308	0840	:		Sampled By:	- Jo		
Dupe #		12:00				name		
# of Cont.	Analyses (check		Container/Size	Preservative	Sampling Notes:			
	TPH gas (8260B	· · · · · · · · · · · · · · · · · · ·						
)			· · · · · · · · · · · · · · · · · · ·			<u> </u>
	BTEX (8260B)		40 ml	+				
3	Fuel Oxys, no M	tBE (8270)		ACI				<u>.</u>
	MtBE (8270)		CVOA .					
]	Other (specify) _							
		· · · · ·						<u> </u>
	VOCs (8010 or 8	3240 or 8260B)	40 ml VOA	нсі		····		
	TPH diesel (801	5M)	1 liter amber	none				
	Metals (8010)		500 ml plastic	HNO₃		with		
	Other (specify)				Signature:	www	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	

1

Groundwater S	Sampling Forn	n				WENTA	E.N.C.	
Site Information							2560	Soquel Ave. #202
900 Central Ave.		-	<u>RW-1</u>	KCE514	_			Cruz, CA 95062 331) 475-8141
Project Address		A	Well/Sample Point I	•	_			501) 4750141
Alameda City		Alameda County		California State		- 070	90 ·	
Purge Information								<u></u>
Water Level Equipme			Purge Equipment					
Electronic Indicato			Bailer	Diposable	Teflon #:			
Oil Water Interface	e Probe			imp; type: <u>4ec</u>	u			
Other (specify)			Other (specify)			(O)		
	Purge Calculation	. [casing	gallons per	Purged By:	un -		_ ·
		19.25	diameter	linear foot		name		
		= 19.05	0.75 in.	0.023	Purge Notes:			
	depth to water		1 in.	0.04	<u></u>			
	linear feet of water	= <u>8.64</u>	2 in.	0.17				
ga	allons per linear foot	x .67	4 in.	0.67				
	gallons per casing		6 in.	1.5				
		7		Ħ				
	number of casings		other	calculate			·····	
	calculated purge	= 17.54	1 cubic foot	= 7.48 gallons	Purged Dry?: I	N circle Y	Sampling Delay	?: N circle Y
	time	gallons	рН	EC	temp	· color	turbity	odor
	(24:00) 1007	(purged)	(units)	(us @ 25° C) ∗	(°F circle	(see below)	(NTU or see below	(see below)
start		0						
volume 1	1010	5.75	7.11	156	17.5	cloudy	light	stroy,
volume 2	1013	11. 75	7,00	240	17.5	sray	hry	n d
volume 3	1015	17.50	7.13	282	17,5		light	41
volume 4								
complete		··· _··· ··						
complete	I I					brown, yellow	heavy, moderate	strong, moderate
Groundwater Samplin		·				cloudy, clear	light, trace	slight, none
Sample Type	ig mornation.	c	Compling Equipment					
Monitoring Well		Г	Sampling Equipment	Diposable /	Teflon #:			
Extraction Well			Submersible Pump	: type: hech				
Domestic Well			Sampling Port					
Domestic Well	ecovery my		Other (specify)					
Sample ID	Date	Time (24:00)				1.0		
RW-1	060308	1025			Sampled By:	40		
Dupe #		12:00				name		
# of Cont.	Analyses (check	and circle)	Container/Size	Preservative	Sampling Notes	:		
	TPH gas (8260B))			1 0			
1 []	BTEX (8260B)	, ,						
3				-t-				
<u> </u>	Fuel Oxys, no Mt	BE (8270)		HC				
	MtBE (8270)		YOA		·			
	Other (specify)	<u> </u>						
		040 02002				· · · · · · · · · · · · · · · · · · ·		
│╞ ┈═╸═╍┥ │╞	VOCs (8010 or 8		40 mi VOA	HCI	<u> </u>	···		
	TPH diesel (8015	iM)	1 liter amber	none		<u> </u>		
	Metals (8010)		500 ml plastic	HNO₃		1. M		
	Other (specify)				Signature:	an	~	
	· · · ·							