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RECEIVED

2:00 pm, Nov 14, 2008

Alameda County Environmental Health

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

LUFT Site:

900 Central Ave, Alameda (Site)

Re:

Report Submittal - Third Quarter 2008 Groundwater-Monitoring

Results, October 1, 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 report 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 document is true and correct to the best of my knowledge.

The report covers the groundwater-monitoring event RRM conducted on September 4, 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 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



October 1, 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: Third 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 third quarter 2008 groundwater monitoring event conducted on September 4, 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. 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, depth to water seasonally ranged from 6 to 13 feet bgs and flow was toward the southwest (Lowney, "Soil and Groundwater Quality Reconnaissance" July 20, 1994; and Allwest, "Subsurface Investigation Report," August 5, 1997, and quarterly monitoring reports for 1999 and 2002).

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 14.69 feet above mean sea level (MSL) at well MW-4 to 15.36 feet above MSL at well MW-2. The groundwater flow direction is toward the west at a gradient of approximately of 0.01 foot/foot. Groundwater elevations have decreased approximately 2 feet since the June 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 for the September 4, 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 66,000 parts per billion (ppb) and 17,000 ppb, respectively. Benzene was only detected in Well MW-1 at a concentration of 4,000 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 the laboratory flagged the TPHg results for well RW-1; stating that although gasoline constituents are present, the reported value contains a portion of non-target hydrocarbons present within

the 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 to the southwest 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 west to southwest 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 TPHg and/or 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.

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

Matthew J. Paulus Senior Geologist MATTHEW J. PAULUS

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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, September 4, 2008

Figure 4 – TPHg/Benzene Groundwater Concentration Map, September 4, 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 = below ground 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
	09/04/08		13.23	15.04	66,000	4,000	5,410	62.0	11,700	NA	NA	NA	1
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
	09/04/08		12.95	15.36	<50	<0.500	<0.500	<0.500	<1.50	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-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
	09/04/08		12.62	15.07	<50	<0.500	<0.500	<0.500	<1.50	NA	NA	NA	1
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
	09/04/08		12.68	14.69	<50	<0.500	<0.500	<0.500	<1.50	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	21.20	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
	09/04/08		12.53	14.72	<50	<0.500	<0.500	<0.500	<1.50	NA	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
	09/04/08		12.51	14.73	<50	<0.500	<0.500	<0.500	<1.50	NA	NA	NA	1

Table 2 Groundwater Elevation and Analytical Data

900 Central Avenue Alameda, California

Sample	Date Gauged	Well Elevation	Depth to Water	Groundwater Elevation	TPHg	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MtBE	TPHd	TPHmo	
ID	& Sampled	(feet, MSL)	(feet, TOC)	(feet, MSL)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	Notes
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
	09/04/08		12.25	15.18	17,000	<4.40	41.1	640	3,290	NA	NA	NA	1, 5
Grab Groundw	vater 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	

Notes:

MSL = relative to mean sea level

MtBE = Methyl tert-Butyl Ether

TOC = top of casing

ppb = parts per billion (micrograms per liter)

TPHg = gasoline range total petroleum hydrocarbons

< = none detected at or above reported detection limit

TPHd = diesel range total petroleum hydrocarbons

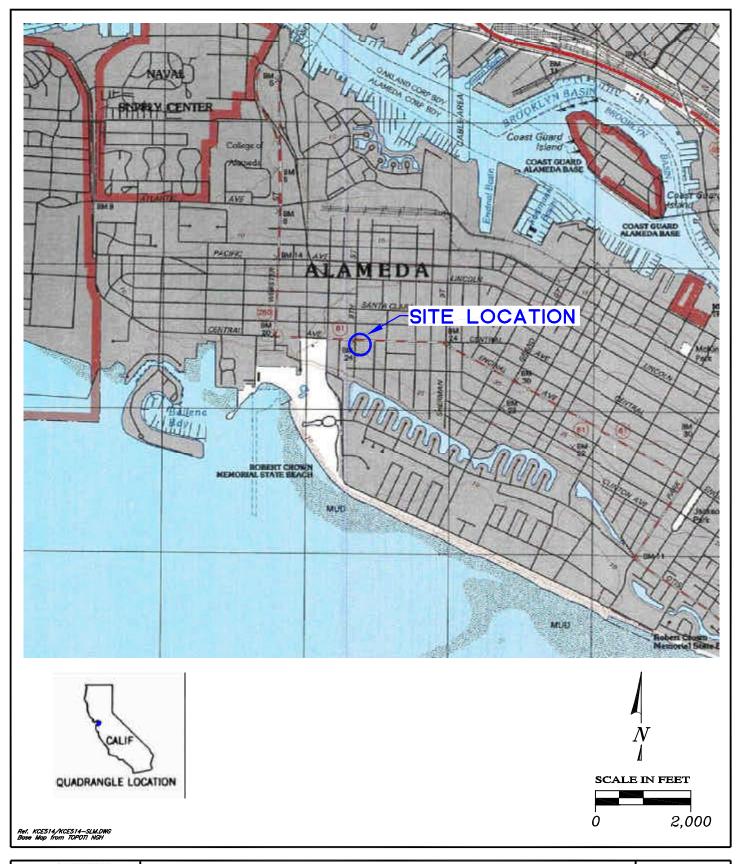
NS = not sampled

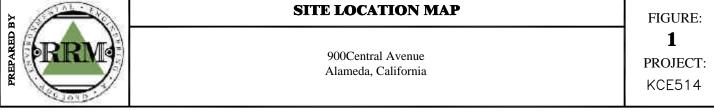
TPHmo = motor oil range total petroleum hydrocarbons

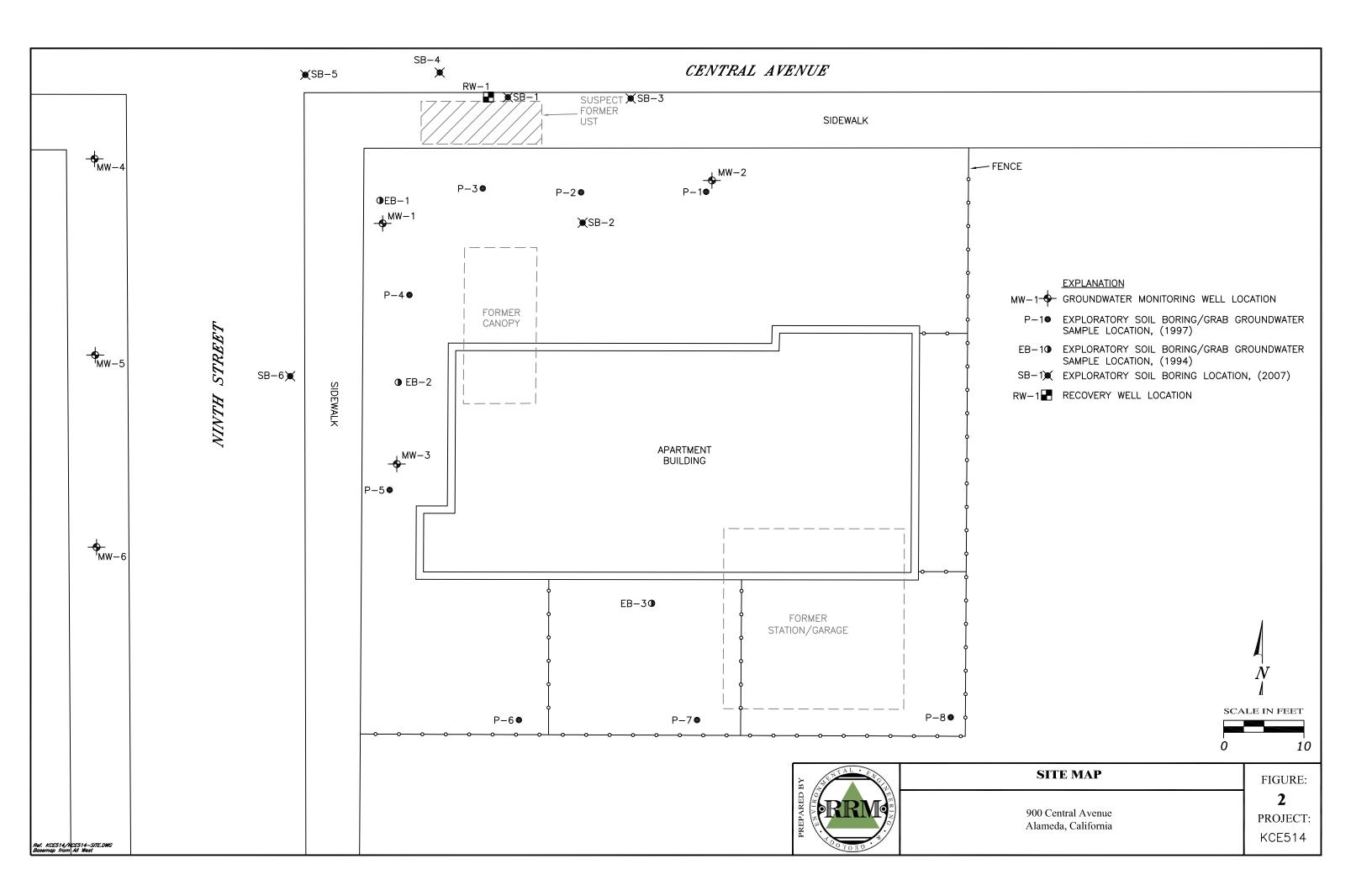
NA = not analyzed

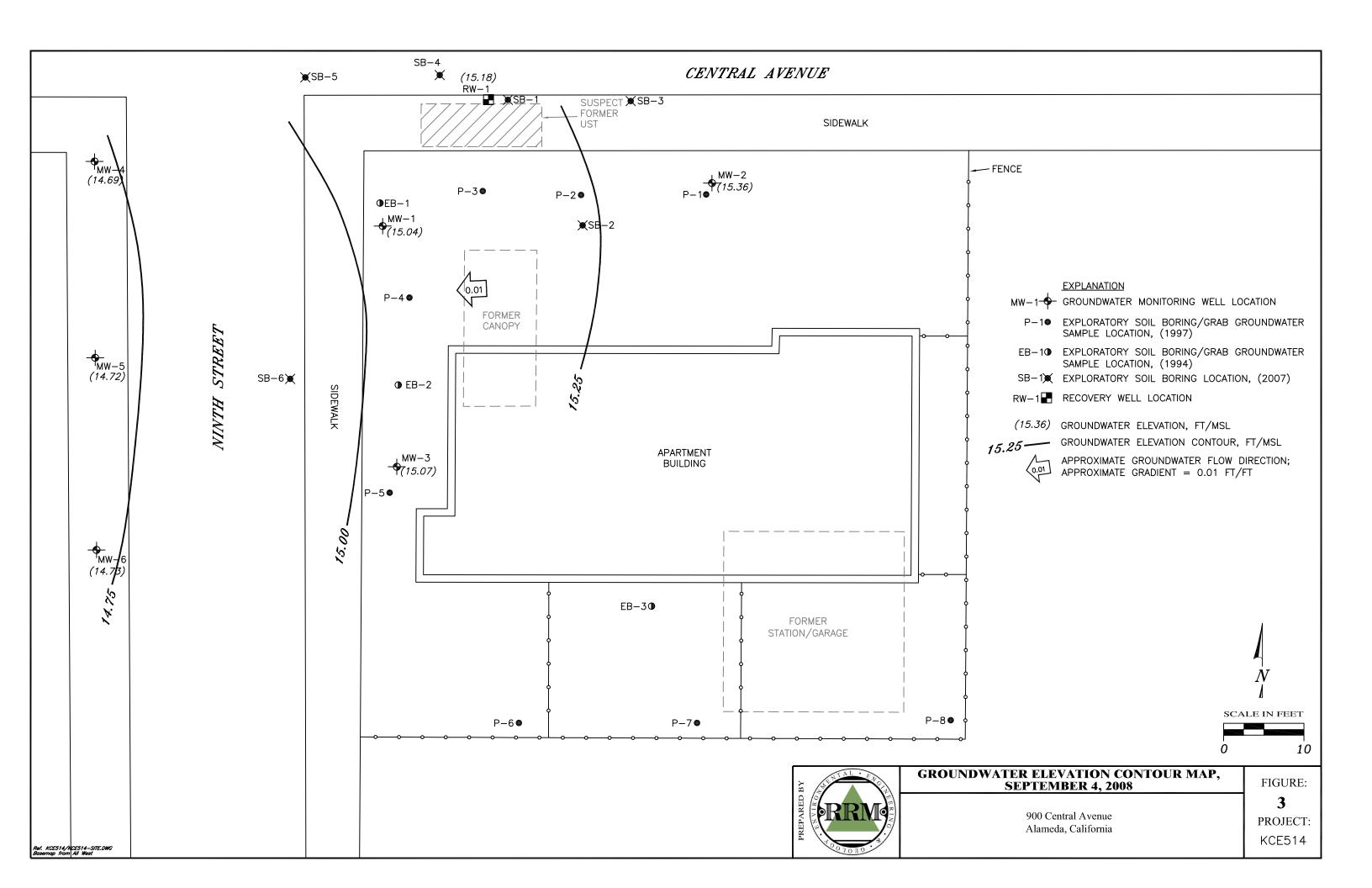
TBA = tert-Butanol

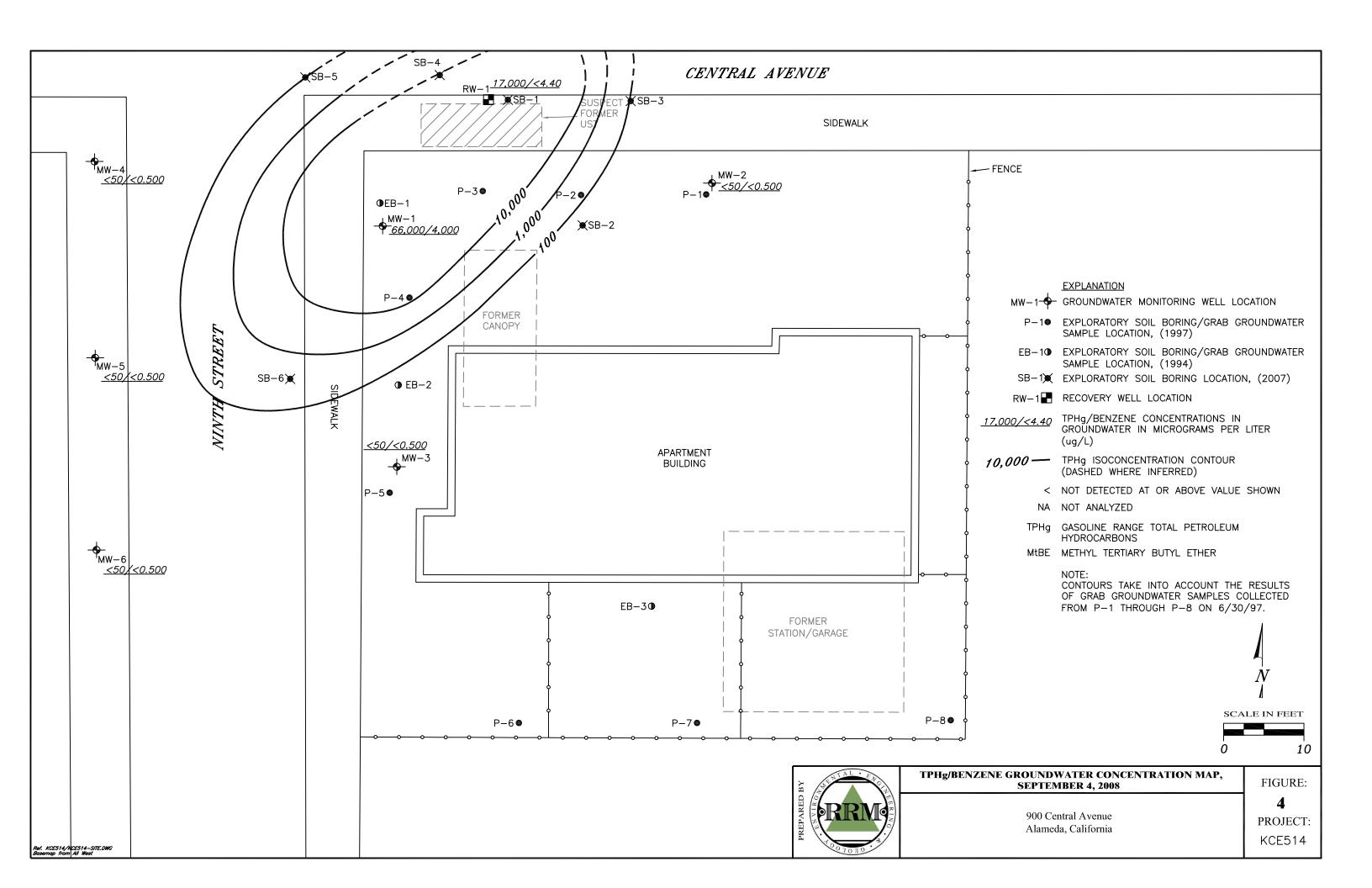
- 1 = also sampled for the fuel oxygenates ethyl tert-butyl ether (ETBE), isopropyl ether (DIPE), t-butyl alcohol (t-butanol) (TBA), and tert-amyl methyl ether (TAME); none of these compounds detected above the laboratory limit.
- 2 = the laboratory reported value due to discrete peaks present within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













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 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



September 12, 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

Dear Matt Kaempf:

Order No.: 0809014

Torrent Laboratory, Inc. received 7 samples on 9/4/2008 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

Date

Patti Sandrock OA Officer



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 Reported:** 9/12/2008

Client Sample ID: MW-1

Sample Location: KCE514

Sample Matrix: GROUNDWATER **Date/Time Sampled** 9/4/2008 1:00:00 PM

Lab Sample ID: 0809014-001

Date Received: 9/4/2008

Date Prepared:

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Benzene	SW8260B	9/10/2008	0.5	88	44.0	4000	μg/L	R17270
Diisopropyl ether (DIPE)	SW8260B	9/5/2008	0.5	1	0.500	ND	μg/L	A17221
Ethyl tert-butyl ether (ETBE)	SW8260B	9/5/2008	0.5	1	0.500	ND	μg/L	A17221
Ethylbenzene	SW8260B	9/5/2008	0.5	1	0.500	62.0	μg/L	A17221
t-Butyl alcohol (t-Butanol)	SW8260B	9/5/2008	10	1	10.0	ND	μg/L	A17221
tert-Amyl methyl ether (TAME)	SW8260B	9/5/2008	0.5	1	0.500	ND	μg/L	A17221
Toluene	SW8260B	9/10/2008	0.5	88	44.0	5410	μg/L	R17270
Xylenes, Total	SW8260B	9/10/2008	1.5	88	132	11700	μg/L	R17270
Surr: Dibromofluoromethane	SW8260B	9/10/2008	0	88	61.2-131	120	%REC	R17270
Surr: Dibromofluoromethane	SW8260B	9/5/2008	0	1	61.2-131	94.6	%REC	A17221
Surr: 4-Bromofluorobenzene	SW8260B	9/10/2008	0	88	64.1-120	120	%REC	R17270
Surr: 4-Bromofluorobenzene	SW8260B	9/5/2008	0	1	64.1-120	102	%REC	A17221
Surr: Toluene-d8	SW8260B	9/10/2008	0	88	75.1-127	121	%REC	R17270
Surr: Toluene-d8	SW8260B	9/5/2008	0	1	75.1-127	103	%REC	A17221
TPH (Gasoline)	SW8260B(TPH)	9/10/2008	50	88	4400	66000	μg/L	G17270
Surr: 4-Bromofllurobenzene	SW8260B(TPH)	9/10/2008	0	88	58.4-133	97.8	%REC	G17270

Remediation Risk Management, Inc.

Date Received: 9/4/2008

Date Reported: 9/12/2008

Client Sample ID: MW-2

Sample Location:

KCE514

Lab Sample ID: 0809014-002

Sample Matrix:

Date Prepared: 9/5/2008

GROUNDWATER Date/Time Sampled 9/4/2008 12:15:00 PM

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Benzene	SW8260B	9/5/2008	0.5	1	0.500	ND	μg/L	A17221
Diisopropyl ether (DIPE)	SW8260B	9/5/2008	0.5	1	0.500	ND	μg/L	A17221
Ethyl tert-butyl ether (ETBE)	SW8260B	9/5/2008	0.5	1	0.500	ND	μg/L	A17221
Ethylbenzene	SW8260B	9/5/2008	0.5	1	0.500	ND	μg/L	A17221
t-Butyl alcohol (t-Butanol)	SW8260B	9/5/2008	10	1	10.0	ND	μg/L	A17221
tert-Amyl methyl ether (TAME)	SW8260B	9/5/2008	0.5	1	0.500	ND	μg/L	A17221
Toluene	SW8260B	9/5/2008	0.5	1	0.500	ND	μg/L	A17221
Xylenes, Total	SW8260B	9/5/2008	1.5	1	1.50	ND	μg/L	A17221
Surr: Dibromofluoromethane	SW8260B	9/5/2008	0	1	61.2-131	86.1	%REC	A17221
Surr: 4-Bromofluorobenzene	SW8260B	9/5/2008	0	1	64.1-120	119	%REC	A17221
Surr: Toluene-d8	SW8260B	9/5/2008	0	1	75.1-127	114	%REC	A17221
TPH (Gasoline)	SW8260B(TPH)	9/5/2008	50	1	50	ND	μg/L	B17221
Surr: 4-Bromofllurobenzene	SW8260B(TPH)	9/5/2008	0	1	58.4-133	66.6	%REC	B17221

Remediation Risk Management, Inc.

Date Received: 9/4/2008

Date Reported: 9/12/2008

Client Sample ID: MW-3

KCE514

Lab Sample ID: 0809014-003 **Date Prepared:** 9/5/2008

Sample Location: K **Sample Matrix:** G

GROUNDWATER

Date/Time Sampled 9/4/2008 11:55:00 AM

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Benzene	SW8260B	9/5/2008	0.5	1	0.500	ND	μg/L	A17221
Diisopropyl ether (DIPE)	SW8260B	9/5/2008	0.5	1	0.500	ND	μg/L	A17221
Ethyl tert-butyl ether (ETBE)	SW8260B	9/5/2008	0.5	1	0.500	ND	μg/L	A17221
Ethylbenzene	SW8260B	9/5/2008	0.5	1	0.500	ND	μg/L	A17221
t-Butyl alcohol (t-Butanol)	SW8260B	9/5/2008	10	1	10.0	ND	μg/L	A17221
tert-Amyl methyl ether (TAME)	SW8260B	9/5/2008	0.5	1	0.500	ND	μg/L	A17221
Toluene	SW8260B	9/5/2008	0.5	1	0.500	ND	μg/L	A17221
Xylenes, Total	SW8260B	9/5/2008	1.5	1	1.50	ND	μg/L	A17221
Surr: Dibromofluoromethane	SW8260B	9/5/2008	0	1	61.2-131	92.3	%REC	A17221
Surr: 4-Bromofluorobenzene	SW8260B	9/5/2008	0	1	64.1-120	110	%REC	A17221
Surr: Toluene-d8	SW8260B	9/5/2008	0	1	75.1-127	108	%REC	A17221
TPH (Gasoline)	SW8260B(TPH)	9/5/2008	50	1	50	ND	μg/L	B17221
Surr: 4-Bromofllurobenzene	SW8260B(TPH)	9/5/2008	0	1	58.4-133	62.5	%REC	B17221

Remediation Risk Management, Inc.

Date Received: 9/4/2008

Date Reported: 9/12/2008

Client Sample ID: MW-4

KCE514

Lab Sample ID: 0809014-004 **Date Prepared:** 9/5/2008

Sample Matrix: GRO **Date/Time Sampled** 9/4/

Sample Location:

GROUNDWATER

mpled 9/4/2008 11:35:00 AM

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Benzene	SW8260B	9/5/2008	0.5	1	0.500	ND	μg/L	A17221
Diisopropyl ether (DIPE)	SW8260B	9/5/2008	0.5	1	0.500	ND	μg/L	A17221
Ethyl tert-butyl ether (ETBE)	SW8260B	9/5/2008	0.5	1	0.500	ND	μg/L	A17221
Ethylbenzene	SW8260B	9/5/2008	0.5	1	0.500	ND	μg/L	A17221
t-Butyl alcohol (t-Butanol)	SW8260B	9/5/2008	10	1	10.0	ND	μg/L	A17221
tert-Amyl methyl ether (TAME)	SW8260B	9/5/2008	0.5	1	0.500	ND	μg/L	A17221
Toluene	SW8260B	9/5/2008	0.5	1	0.500	ND	μg/L	A17221
Xylenes, Total	SW8260B	9/5/2008	1.5	1	1.50	ND	μg/L	A17221
Surr: Dibromofluoromethane	SW8260B	9/5/2008	0	1	61.2-131	125	%REC	A17221
Surr: 4-Bromofluorobenzene	SW8260B	9/5/2008	0	1	64.1-120	107	%REC	A17221
Surr: Toluene-d8	SW8260B	9/5/2008	0	1	75.1-127	112	%REC	A17221
TPH (Gasoline)	SW8260B(TPH)	9/10/2008	50	1	50	ND	μg/L	G17270
Surr: 4-Bromofllurobenzene	SW8260B(TPH)	9/10/2008	0	1	58.4-133	101	%REC	G17270

Remediation Risk Management, Inc.

Date Received: 9/4/2008

Date Reported: 9/12/2008

Client Sample ID: MW-5

KCE514

Lab Sample ID: 0809014-005

Sample Location: K

CD CLUTT

Date Prepared: 9/5/2008

Sample Matrix: GROUNDWATER **Date/Time Sampled** 9/4/2008 11:20:00 AM

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Benzene	SW8260B	9/5/2008	0.5	1	0.500	ND	μg/L	A17221
Diisopropyl ether (DIPE)	SW8260B	9/5/2008	0.5	1	0.500	ND	μg/L	A17221
Ethyl tert-butyl ether (ETBE)	SW8260B	9/5/2008	0.5	1	0.500	ND	μg/L	A17221
Ethylbenzene	SW8260B	9/5/2008	0.5	1	0.500	ND	μg/L	A17221
t-Butyl alcohol (t-Butanol)	SW8260B	9/5/2008	10	1	10.0	ND	μg/L	A17221
tert-Amyl methyl ether (TAME)	SW8260B	9/5/2008	0.5	1	0.500	ND	μg/L	A17221
Toluene	SW8260B	9/5/2008	0.5	1	0.500	ND	μg/L	A17221
Xylenes, Total	SW8260B	9/5/2008	1.5	1	1.50	ND	μg/L	A17221
Surr: Dibromofluoromethane	SW8260B	9/5/2008	0	1	61.2-131	115	%REC	A17221
Surr: 4-Bromofluorobenzene	SW8260B	9/5/2008	0	1	64.1-120	117	%REC	A17221
Surr: Toluene-d8	SW8260B	9/5/2008	0	1	75.1-127	115	%REC	A17221
TPH (Gasoline)	SW8260B(TPH)	9/10/2008	50	1	50	ND	μg/L	G17270
Surr: 4-Bromofllurobenzene	SW8260B(TPH)	9/10/2008	0	1	58.4-133	98.8	%REC	G17270

Remediation Risk Management, Inc.

Date Received: 9/4/2008

Date Reported: 9/12/2008

Client Sample ID: MW-6

KCE514

Lab Sample ID: 0809014-006

Sample Matrix:

Sample Location:

GROUNDWATER

Date Prepared: 9/5/2008

Date/Time Sampled 9/4/2008 11:00:00 AM

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Benzene	SW8260B	9/5/2008	0.5	1	0.500	ND	μg/L	A17221
Diisopropyl ether (DIPE)	SW8260B	9/5/2008	0.5	1	0.500	ND	μg/L	A17221
Ethyl tert-butyl ether (ETBE)	SW8260B	9/5/2008	0.5	1	0.500	ND	μg/L	A17221
Ethylbenzene	SW8260B	9/5/2008	0.5	1	0.500	ND	μg/L	A17221
t-Butyl alcohol (t-Butanol)	SW8260B	9/5/2008	10	1	10.0	ND	μg/L	A17221
tert-Amyl methyl ether (TAME)	SW8260B	9/5/2008	0.5	1	0.500	ND	μg/L	A17221
Toluene	SW8260B	9/5/2008	0.5	1	0.500	ND	μg/L	A17221
Xylenes, Total	SW8260B	9/5/2008	1.5	1	1.50	ND	μg/L	A17221
Surr: Dibromofluoromethane	SW8260B	9/5/2008	0	1	61.2-131	118	%REC	A17221
Surr: 4-Bromofluorobenzene	SW8260B	9/5/2008	0	1	64.1-120	118	%REC	A17221
Surr: Toluene-d8	SW8260B	9/5/2008	0	1	75.1-127	109	%REC	A17221
TPH (Gasoline)	SW8260B(TPH)	9/10/2008	50	1	50	ND	μg/L	G17270
Surr: 4-Bromofllurobenzene	SW8260B(TPH)	9/10/2008	0	1	58.4-133	90.4	%REC	G17270

Remediation Risk Management, Inc. **Date Reported:** 9/12/2008

Date Received: 9/4/2008

Client Sample ID:RW-1Lab Sample ID:0809014-007Sample Location:KCE514Date Prepared:9/6/2008

Sample Matrix: GROUNDWATER **Date/Time Sampled** 9/4/2008 12:40:00 PM

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Benzene	SW8260B	9/6/2008	0.5	8.8	4.40	ND	μg/L	A17221
Diisopropyl ether (DIPE)	SW8260B	9/6/2008	0.5	8.8	4.40	ND	μg/L	A17221
Ethyl tert-butyl ether (ETBE)	SW8260B	9/6/2008	0.5	8.8	4.40	ND	μg/L	A17221
Ethylbenzene	SW8260B	9/6/2008	0.5	8.8	4.40	640	μg/L	A17221
t-Butyl alcohol (t-Butanol)	SW8260B	9/6/2008	10	8.8	88.0	ND	μg/L	A17221
tert-Amyl methyl ether (TAME)	SW8260B	9/6/2008	0.5	8.8	4.40	ND	μg/L	A17221
Toluene	SW8260B	9/6/2008	0.5	8.8	4.40	41.1	μg/L	A17221
Xylenes, Total	SW8260B	9/6/2008	1.5	44	66.0	3290	μg/L	A17221
Surr: Dibromofluoromethane	SW8260B	9/6/2008	0	8.8	61.2-131	112	%REC	A17221
Surr: Dibromofluoromethane	SW8260B	9/6/2008	0	44	61.2-131	91.4	%REC	A17221
Surr: 4-Bromofluorobenzene	SW8260B	9/6/2008	0	8.8	64.1-120	114	%REC	A17221
Surr: 4-Bromofluorobenzene	SW8260B	9/6/2008	0	44	64.1-120	114	%REC	A17221
Surr: Toluene-d8	SW8260B	9/6/2008	0	8.8	75.1-127	116	%REC	A17221
Surr: Toluene-d8	SW8260B	9/6/2008	0	44	75.1-127	108	%REC	A17221
TPH (Gasoline)	SW8260B(TPH)	9/10/2008	50	22	1100	17000	μg/L	G17270
Surr: 4-Bromofllurobenzene	SW8260B(TPH)	9/10/2008	0	22	58.4-133	96.6	%REC	G17270

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

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 #

Date: 12-Sep-08

Spike Recovery outside accepted recovery limits

Page 1 of 5

CLIENT: Remediation Risk Management, Inc.

ND Not Detected at the Reporting Limit

Work Order: 0809014 Project: KCE514

ANALYTICAL QC SUMMARY REPORT

BatchID: A17221

Sample ID MB_A17221	SampType: MBLK	TestCo	de: 8260B_W	Units: µg/L		Prep Date	e: 9/4/200	8	RunNo: 17 2	221	
Client ID: ZZZZZ	Batch ID: A17221	Test	No: SW8260B			Analysis Date	e: 9/4/200	8	SeqNo: 247	7066	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	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									
-Butyl alcohol (t-Butanol)	ND	5.00									
ert-Amyl methyl ether (TAME)	ND	0.500									
Toluene	ND	0.500									
Xylenes, Total	ND	1.50									
Surr: Dibromofluoromethane	12.94	0	11.36	0	114	61.2	131				
Surr: 4-Bromofluorobenzene	12.54	0	11.36	0	110	64.1	120				
Surr: Toluene-d8	13.14	0	11.36	0	116	75.1	127				
Sample ID LCS_A17221	SampType: LCS	TestCo	de: 8260B_W	Units: µg/L		Prep Date	e: 9/4/200	8	RunNo: 172	221	
Client ID: ZZZZZ	Batch ID: A17221	Test	No: SW8260B			Analysis Date	e: 9/4/200	8	SeqNo: 247	7067	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	17.10	0.500	17.04	0	100	66.9	140				
Toluene	16.55	0.500	17.04	0	97.1	76.6	123				
Surr: Dibromofluoromethane	9.500	0	11.36	0	83.6	61.2	131				
Surr: 4-Bromofluorobenzene	11.27	0	11.36	0	99.2	64.1	120				
Surr: Toluene-d8	12.99	0	11.36	0	114	75.1	127				
Sample ID LCSD_A17221	SampType: LCSD	TestCo	de: 8260B_W	Units: µg/L		Prep Date	e: 9/5/200	8	RunNo: 172	221	
Client ID: ZZZZZ	Batch ID: A17221	Test	No: SW8260B			Analysis Date	e: 9/5/200	8	SeqNo: 247	7068	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	17.25	0.500	17.04	0	101	66.9	140	17.1	0.873	20	
Toluene	17.29	0.500	17.04	0	101	76.6	123	16.55	4.37	20	
loluelle					104	61.2	131	0	0		

RPD outside accepted recovery limits

Work Order: 0809014 **Project:** KCE514

ANALYTICAL QC SUMMARY REPORT

BatchID: A17221

Sample ID LCSD_A17221	SampType: LCSD	TestCod	TestCode: 8260B_W Units: µg/L		Prep Date: 9/5/2008				RunNo: 17221		
Client ID: ZZZZZ	Batch ID: A17221	TestN	lo: SW8260B	i e	Analysis Date: 9/5/2008			SeqNo: 247068			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	12.08	0	11.36	0	106	64.1	120	0	0	0	
Surr: Toluene-d8	12.37	0	11.36	0	109	75.1	127	0	0	0	

RPD outside accepted recovery limits

Analyte detected below quantitation limits

Work Order: 0809014 KCE514 **Project:**

ANALYTICAL QC SUMMARY REPORT

BatchID: B17221

Sample ID MB_B17221	SampType: MBLK	TestCode: TPH_GAS_W Units: µg/L	Prep Date: 9/4/2008	RunNo: 17221
Client ID: ZZZZZ	Batch ID: B17221	TestNo: SW8260B(TP	Analysis Date: 9/4/2008	SeqNo: 247078
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual
TPH (Gasoline) Surr: 4-Bromofllurobenzene	ND 6.660	50 0 11.36 0	58.6 58.4 133	
Sample ID LCS_B17221	SampType: LCS	TestCode: TPH_GAS_W Units: µg/L	Prep Date: 9/3/2008	RunNo: 17221
Client ID: ZZZZZ	Batch ID: B17221	TestNo: SW8260B(TP	Analysis Date: 9/3/2008	SeqNo: 247079
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual
TPH (Gasoline)	185.0	50 227 0	81.5 52.4 127	
Surr: 4-Bromofllurobenzene	7.920	0 11.36 0	69.7 58.4 133	
Sample ID LCSD_B17221	SampType: LCSD	TestCode: TPH_GAS_W Units: µg/L	Prep Date: 9/5/2008	RunNo: 17221
Client ID: ZZZZZ	Batch ID: B17221	TestNo: SW8260B(TP	Analysis Date: 9/5/2008	SeqNo: 247080
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 52.4 127 185	2.67 20
Surr: 4-Bromofllurobenzene	7.260	0 11.36 0	63.9 58.4 133 0	0 0

Value above quantitation range Qualifiers:

ND Not Detected at the Reporting Limit

Holding times for preparation or analysis exceeded

RPD outside accepted recovery limits

Analyte detected below quantitation limits

Spike Recovery outside accepted recovery limits

Page 3 of 5

Work Order: 0809014 KCE514 **Project:**

ANALYTICAL QC SUMMARY REPORT

BatchID: G17270

Sample ID MB_G17270 Client ID: ZZZZZ	SampType: MBLK Batch ID: G17270	TestCode: TPH_GAS_W Units: µg/L TestNo: SW8260B(TP	Prep Date: 9/10/2008 Analysis Date: 9/10/2008	RunNo: 17270 SeqNo: 247323			
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual			
TPH (Gasoline) Surr: 4-Bromofllurobenzene	ND 11.08	50 0 11.36 0	97.5 58.4 133				
Sample ID LCS_G17270	SampType: LCS	TestCode: TPH_GAS_W Units: µg/L	Prep Date: 9/10/2008	RunNo: 17270			
Client ID: ZZZZZ	Batch ID: G17270	TestNo: SW8260B(TP	Analysis Date: 9/10/2008	SeqNo: 247324			
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual			
TPH (Gasoline)	220.0	50 227 28	84.6 52.4 127				
Surr: 4-Bromofllurobenzene	11.69	0 11.36 0	103 58.4 133				
Sample ID LCSD_G17270	SampType: LCSD	TestCode: TPH_GAS_W Units: µg/L	Prep Date: 9/10/2008	RunNo: 17270			
Client ID: ZZZZZ	Batch ID: G17270	TestNo: SW8260B(TP	Analysis Date: 9/10/2008	SeqNo: 247325			
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual			
TPH (Gasoline)	226.0	50 227 28	87.2 52.4 127 220	2.69 20			
Surr: 4-Bromofllurobenzene	11.33	0 11.36 0	99.7 58.4 133 0	0 0			

Value above quantitation range Qualifiers:

ND Not Detected at the Reporting Limit

Holding times for preparation or analysis exceeded

RPD outside accepted recovery limits

Spike Recovery outside accepted recovery limits

Page 4 of 5

Analyte detected below quantitation limits

Work Order: 0809014 **Project:** KCE514

ANALYTICAL QC SUMMARY REPORT

BatchID: R17270

Sample ID MB_R17270	SampType:	MBLK	TestCod	de: 8260B_W	Units: µg/L		Prep Date:	9/10/20	800	RunNo: 17 2	270	
Client ID: ZZZZZ	Batch ID:	R17270	Test	lo: SW8260B			Analysis Date:	9/10/20	800	SeqNo: 247	7317	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit F	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		12.46	0	11.36	0	110	61.2	131				
Surr: 4-Bromofluorobenzene		12.51	0	11.36	0	110	64.1	120				
Surr: Toluene-d8		12.71	0	11.36	0	112	75.1	127				
Sample ID LCS_R17270	SampType:	LCS	TestCod	de: 8260B_W	Units: µg/L		Prep Date:	9/9/200)8	RunNo: 172	270	
Client ID: ZZZZZ	Batch ID:	R17270	TestN	lo: SW8260B		Analysis Date: 9/9/2008		SeqNo: 247	7318			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit F	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene		19.64	0.500	17.04	0	115	66.9	140				
Toluene		18.54	0.500	17.04	0	109	76.6	123				
Surr: Dibromofluoromethane		12.61	0	11.36	0	111	61.2	131				
Surr: 4-Bromofluorobenzene		13.38	0	11.36	0	118	64.1	120				
Surr: Toluene-d8		10.81	0	11.36	0	95.2	75.1	127				
Sample ID LCSD_R17270	SampType:	LCSD	TestCod	de: 8260B_W	Units: µg/L		Prep Date:	9/10/20	008	RunNo: 172	270	
Client ID: ZZZZZ	Batch ID:	R17270	TestN	lo: SW8260B			Analysis Date:	9/10/20	008	SeqNo: 247	7319	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit H	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene		18.79	0.500	17.04	0	110	66.9	140	19.64	4.42	20	
Toluene		17.50	0.500	17.04	0	103	76.6	123	18.54	5.77	20	
Surr: Dibromofluoromethane		13.04	0	11.36	0	115	61.2	131	0	0	0	
Surr: 4-Bromofluorobenzene		12.95	0	11.36	0	114	64.1	120	0	0	0	
Sull. 4-biolilolluolopenzene		12.90	()				04.1				U	

Qualifiers: Value above quantitation range

ND Not Detected at the Reporting Limit

Holding times for preparation or analysis exceeded

RPD outside accepted recovery limits

Analyte detected below quantitation limits

Spike Recovery outside accepted recovery limits

Page 5 of 5



Log In By:

483 Sinclair Frontage Road Milpitas, CA 95035 Phone: 408.263.5258 FAX: 408.263.8293

CHAIN OF CUSTODY

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

0809014

Company	Name: Rhm, Inc					Locat	ion of Sa	mpling	K	CE	51	4					
Address:	2560 Soquel	Ave. #	202			Purpo	ose:	-w.	N	۸.							
City: 5	Santa Cruz S	State: CA		Zip Code:	98067	2 Speci	al Instru	ctions /	Comm	ents.	no 1	U+B	SE				
Telephon	2560 Soquel s senta Cruz S e: 8314758141 FA	x: 8311	t75	8249		E	DF-1	Slobe	alIl	D:T	060	010:	200	9			
REPORT	10: Matt Kaempt	SAMPLER:	Wil	13-		P.O.	#:				E	EMAIL:	matte	erms	c, com	labde	utaerrmsc.c
TURNARO	OUND TIME:	SAMP	LE TYPE:		REPORT	FORMAT:	st	~ H	Je J			8					
10 Work 7 Work 5 Work	Days 2 Work Days 2 - 8 Ho Days 1 Work Day 0 Other	Ours Sto	orm Water aste Water ound Water il	Air Other	QC Le EDF Excel	vel IV	EPA 8260B - Full List	IP gas NBTE)	THP Diesel Si-Gel	Pesticide - 8081	☐ PCB - 8082	Metals CAM - 17	70 Full List As Only				NALYSIS QUESTED
LAB ID	CLIENT'S SAMPLE I.D.	DATE / SAMPL		MATRIX	# OF CONT	CONT TYPE		¥ Š X	T M	□ Pe		Metals				RI	EMARKS
A100	mw-1	090408/	1300	GW	3	HCL Was		X									
002A	MW-Z		215	1		1		1									
303 A	MW-3	1	155								100						
004A	mw-4	1	135														
1200 A	mw-5		120														
106A	MW-6		1100														
AF00	RW-1	V 1	240	V	U	V		Ų									
1 Relingu	uished By: Will Back	hor zum.	Date: 090	t08	Time:	0000	Receive	ed By:	Led	in	Print:			Date	4/0	8 Tin	1e: 4:00 pm
2 Relinqu	uished By: Print:		Date:		Time:	,	Receive				Print:			Date:		Tin	ne:
	ples Received in Good Condition?	/		amples on lo		/	1	of Shipi		-	DO	H	S	ample s	eals inta	1	NO NA

Depth to Water Data Form

te Information		
900 Central Ave.	090408	KCE514
Project Address	Date	Project Number
Alameda	Alameda	California



2560 Soquel Ave. #202 Santa Cruz, CA 95062 (831) 475-8141

÷	Oity	County	State	J
	Water Level Equipment Electronic Indicator	Measured By:	name	
1	Oil Water Interface Probe	Notes:		
	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 SPH):
#7	MW-1	1024	18.73'	(toc or tob) 13.23 12.95 12.62 12.68 12.53 12.51 12.25				
#5	MW-2	1019	18.40'	12.95				***************************************
#4	MW-3	1016	18.70'	12.62				
#3	MW-4	1013	17.95'	12.68				
#2	MW-5	1014	17.95'	12.53				
#1	MW-6	1008	17.10'	12.51				
#6	RW-1	1021	19.05'	12.25				4" Well
	***************************************	-					·····	
<u> </u>								

·								

			www.weev.ev					

Signature:

Field Data Sheet Groundwater Sampling Form Site Information 2560 Soquel Ave. #202 Santa Cruz, CA 95062 900 Central Ave. MW-1 KCE514 (831) 475-8141 Project Address Well/Sample Point ID Project Numbe Alameda California Alameda County State Purge Information Water Level Equipment Purge Equipment Electronic Indicator **∡** Bailer Diposable Teflon #: _ Oil Water Interface Probe Submersible Pump; type: Other (specify) Other (specify) Purge Calculation casing gallons per Purged By: diameter linear foot total depth = 18.730.75 in. 0.023 Purge Notes: depth to water - 13.23 1 in. 0.04 linear feet of water = 5.50 2 in. 0.17 gallons per linear foot X 4 in. 0.67 gallons per casing = 6 in. 1.5 number of casings X other calculate 2.80 calculated purge = 1 cubic foot = 7.48 gallons Purged Dry?: N circle Y Sampling Delay?: N circle Y EC time gallons pН temp color turbity odor (°F circle °E) (24:00)(units) (us @ 25° C) (see below) (purged) NTU or see below (see below) 1243 start 0 1245 1.00 brown huy volume 1 st vom 7,82 47 2-00 u volume 2 u n 1249 n 3,00 7.66 u volume 3 volume 4 complete strong, moderate slight, none brown, yellow cloudy, clear neavy, moderate light, trace Groundwater Sampling Information Sample Type Sampling Equipment Diposable Monitoring Well Bailer Teflon #: ___ Extraction Well Submersible Pump; type: Domestic Well Sampling Port Other (specify) Other (specify) Sample ID Time (24:00) 090408 1300 MW-1 Sampled By: Dupe# # of Cont. Analyses (check and circle) Container/Size Preservative Sampling Notes: TPH gas (8260B) BTEX (8260B) 40 ml HCI, Fuel Oxys, no MtBE (8270) ÓΑ MtBE (8270) Other (specify) VOCs (8010 or 8240 or 8260B)

40 ml VOA

1 liter amber

500 ml plastic

TPH diesel (8015M)

Metals (8010)

Other (specify)

HCI

none

HNO₃

Signature:

with_the

Groundwater Sampling Form Site Information 2560 Soquel Ave. #202 Santa Cruz, CA 95062 900 Central Ave. MW-2 KCE514 (831) 475-8141 Project Address Well/Sample Point ID Project Number Alameda Alameda California City County Purge Information Water Level Equipment Purge Equipment Electronic Indicator Bailer Diposable Teflon #: _ Oil Water Interface Probe Submersible Pump; type: Other (specify) Other (specify) Purge Calculation casing gallons per Purged By: diameter linear foot total depth = 1 6.40 0.75 in. 0.023 Purge Notes: depth to water -1 in. 0.04 linear feet of water = 2 in. 0.17 gallons per linear foot X __, 17 4 in. 0.67 gallons per casing = 0.93 6 in. 1.5 number of casings X other calculate calculated purge = 1 cubic foot = 7.48 gallons Purged Dry?: N circle Y Sampling Delay?: N circle Y time рΗ EC temp (°F circlé °C) color turbity odor (24:00)(units) (us @ 25° C) (purged) (see below) (NTU or see below (see below) 1158 start 0 7,67 1200 154 1.00 19.0 bour Lug volume 1 none 1202 18.3 142 2.00 7.68 ı ı volume 2 i l N 1204 3.00 7.68 144 n 17.8 volume 3 ð ٩ volume 4 complete brown, yellow cloudy, clear strong, moderate slight, none heavy, moderate light, trace Groundwater Sampling Information Sample Type Sampling Equipment Monitoring Well
Extraction Well Diposable Bailer Teflon #: ___ Extraction Well Submersible Pump; type: _ Domestic Well Sampling Port Other (specify) Other (specify) Sample ID Date Time (24:00) MW-2 09040K 1215 Sampled By: Dupe # name 12:00 # of Cont. Analyses (check and circle) Container/Size Preservative Sampling Notes: TPH gas (8260B) 40 ml BTEX (8260B) 3 Fuel Oxys, no MtBE (8270) **HC**î MtBE (8270) Other (specify) VOCs (8010 or 8240 or 8260B) 40 ml VOA HCI TPH diesel (8015M) 1 liter amber none Metals (8010) 500 ml plastic HNO₃ wehrm Other (specify) Signature:

Groundwater						NTAL	EA	
Site Information	Sampling Forn	П	****					
900 Central Ave.			MW-3	KCE514			1 Y Q Z Santa	Soquel Ave. #202 Cruz, CA 95062
Project Address		-	Well/Sample Point I	CE514 D Project Number	-			831) 475-8141
Alameda City		Alameda County		California	TO THE STATE OF TH	10070	10:	
Purge Information		County		State				
Water Level Equipr	nent		Purge Equipment					
Electronic Indica			Bailer	Diposable	Teflon #:			
Oil Water Interfa				ump; type:				
Other (specify)				p, typo				
	Purge Calculation	-	casing	gallons per	—] Purged By: (40		
	r argo oaroaranon		diameter	linear foot	ruigea by.	name		
	total denth	= 18.70	0.75 in.	0.023	Purge Notes:	name		
		12.62		Ħ	rarge Notes.			
		_	1 in.	0.04				
	linear feet of water	= 6.00	2 in. 🗻	0.17				
	gallons per linear foot	x 17	4 in.	0.67				
	gallons per casing	= 1.03	6 in.	 1.5				
	number of casings			Ħ				
		_ 1	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)	temp (°F circle °C)	color (see below)	turbity (NTU or see below	odor (see below)
start	1138	0						
volume 1	1140	1,00	8.62	169	20,0	brown	huy	hone
volume 2	1143	2,25	8.32	171	18.2	n	n	'A
volume 3	1146	3.25	8.25	172_	18.5	4	и	и,
volume 4		·						
complete								
		I				brown, yellow	heavy, moderate	strong, moderate
Groundwater Samp	ling Information	·				cloudy, clear	light, trace	slight, none
Sample Type	goa.a		Sampling Equipment					
Monitoring Well			2. id.		Teflon #:			
Extraction Well			Submersible Pump		<u> </u>			
Domestic Well			Sampling Port					
Other (specify) _			Other (specify)					
ي _{ا يَكُ} وْنِو			- 					
Sample ID	Date	Time (24:00)				4		
MW-3	090408	1155			Sampled By:	as		
Dupe#		12:00			. ,	name		4
# of Cont.	Analyses (check		Container/Size	Preservative	Sampling Notes:			
1. 0. 0011.	In in		Goritaine/70/2e	reservative	Sampling Notes.			
	TPH gas (8260B	3)						
	BTEX (8260B)		₽ 0 ml	1		·····		
3	Fuel Oxys, no M	ItBE (8270)) HOW				
	MtBE (8270)		/ YOA/					
	IĦ							
	Other (specify)							
	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		1	A 1	
	Other (specify)		<u>.</u>	-	Signature:	wen	Me	
	· · · · · · · · · · · · · · · · · · ·	~~~			J. J. Idia G.			

Other (specify)

Groundwater Sampling Form Site Information 2560 Soquel Ave. #202 Santa Cruz, CA 95062 (831) 475-8141 900 Central Ave. MW-4 KCE514 Well/Sample Point ID Project Number Alameda Alameda California Purge Information Water Level Equipment Purge Equipment Diposable Bailer Electronic Indicator Teflon #: ___ Oil Water Interface Probe Submersible Pump; type: Other (specify) Other (specify) Purge Calculation casing gallons per Purged By: diameter linear foot total depth = 17.950.75 in. 0.023 Purge Notes: depth to water - 12.68 1 in. 0.04 linear feet of water = 5272 in. 0.17 gallons per linear foot X . . 17 4 in. 0.67 gallons per casing = 0.80 6 in. 1.5 number of casings x 3 other calculate calculated purge = 2.69 1 cubic foot = 7.48 gallons Purged Dry?: Narde Y Sampling Delay?: N circle Y time turbity gallons рΗ EC temp color odor (us @ 25° C) (°F circle (C) (24:00)(purged) (units) (see below) (NTU or see below (see below) 1122 start 0 1124 1.00 8.5*6* Srown hry work volume 1 リクマ 8.61 200 n volume 2 u volume 3 volume 4 complete neavy, moderate light, trace strong, moderate slight, none brown, yellow cloudy, clear Groundwater Sampling Information Sample Type Sampling Equipment Monitoring Well Bailer Diposable Teflon #: ___ Extraction Well Submersible Pump; type: _ Domestic Well Sampling Port Other (specify) Other (specify) Sample ID Time (24:00) MW-4 090408 1135 NO Sampled By: name Dupe# 12:00 # of Cont. Analyses (check and circle) Container/Size Preservative Sampling Notes: TPH gas (8260B) BTEX (8260B) 40 ml HCL Fuel Oxys, no MtBE (8270) MtBE (8270) Other (specify) VOCs (8010 or 8240 or 8260B) 40 ml VOA HCI TPH diesel (8015M) 1 liter amber none with him Metals (8010) 500 ml plastic HNO₃

Signature:

Groundwater Sampling Form Site Information 2560 Soquel Ave. #202 Santa Cruz, CA 95062 (831) 475-8141 900 Central Ave. MW-5 KCE514 Project Address Well/Sample Point ID Alameda Alameda California County Purge Information Water Level Equipment Purge Equipment Bailer Electronic Indicator Diposable Teflon #: ___ Oil Water Interface Probe Submersible Pump; type: Other (specify) Other (specify) Purge Calculation casing gallons per Purged By: linear foot diameter total depth = 17.95 0.75 in. 0.023 Purge Notes: depth to water - 12,53 1 in. 0.04 linear feet of water = $_{3,42}$ 2 in. 0.17 gallons per linear foot X 4 in. 0.67 gallons per casing = 0.926 in. 1.5 number of casings X other calculate calculated purge = 2.76 1 cubic foot = 7.48 gallons Purged Dry?: N circle Y Sampling Delay?: N circle Y time gallons temp color turbity odor (°F circle(°C) (24:00)(purged) (units) (us @ 25° C) (see below) . (NTU or see below (see below) 1102 start 1.00 1105 8.69 211 20.1 huy volume 1 brown MOR 1108 2.00 8.50 19.5 volume 2 1 volume 3 volume 4 complete heavy, moderate light, trace brown, yellow cloudy, clear strong, moderate slight, none Groundwater Sampling Information Sample Type Sampling Equipment Monitoring Well Bailer Diposable Teflon #: ___ Extraction Well Submersible Pump; type: __ Domestic Well Sampling Port Other (specify) Other (specify) Sample ID Date Time (24:00) 090406 MW-5 1120 Sampled By: Dupe# 12:00 # of Cont. Analyses (check and circle) Container/Size Preservative Sampling Notes: TPH gas (8260B) BTEX (8260B) 40 ml Fuel Oxys, no MtBE (8270) MtBE (8270) Other (specify) VOCs (8010 or 8240 or 8260B) 40 ml VOA HCI TPH diesel (8015M) 1 liter amber none Metals (8010) 500 ml plastic HNO₃ with m Other (specify) Signature:

Other (specify) _

Groundwater Sampling Form Site Information 2560 Soquel Ave. #202 Santa Cruz, CA 95062 MW-6 900 Central Ave. KCE514 (831) 475-8141 Project Address Well/Sample Point ID Project Number Alameda Alameda California Purge Information Water Level Equipment Purge Equipment Bailer Diposable Electronic Indicator Teflon #: ___ Oil Water Interface Probe Submersible Pump; type: Other (specify) Other (specify) Purge Calculation casing gallons per Purged By: diameter linear foot total depth = 17,10 0.75 in. 0.023 Purge Notes: depth to water - 12.5 0.04 1 in. linear feet of water = 4.59 2 in. 0.17 gallons per linear foot X 4 in. 0.67 gallons per casing = 3.78 6 in. 1.5 number of casings X other calculate calculated purge = 1 cubic foot = 7.48 gallons Purged Dry?: N circle Y Sampling Delay?: N circle Y time gallons pН EC temp color turbity odor (°F circle°C) (24:00)(purged) (units) (us @ 25° C) (see below) NTU or see below (see below) 1040 start 1043 8.37 20.7 huy 271 3 rown hore volume 1 8.25 1.50 1046 ч volume 2 u n 2.50 8.13 n 1049 volume 3 volume 4 complete brown, yellow cloudy, clear heavy, moderate strong, moderate slight, trace slight, none Groundwater Sampling Information Sample Type Sampling Equipment Bailer Monitoring Well Diposable Teflon #: ___ Extraction Well Submersible Pump; type: __ Domestic Well Sampling Port Other (specify) Other (specify) Sample ID Date Time (24:00) 1100 MW-6 090408 Sampled By: name Dupe # 12:00 # of Cont. Analyses (check and circle) Container/Size Preservative Sampling Notes: TPH gas (8260B) BTEX (8260B) 3 Fuel Oxys, no MtBE (8270) AC) MtBE (8270) Other (specify) VOCs (8010 or 8240 or 8260B) 40 ml VOA HCI TPH diesel (8015M) 1 liter amber none Metals (8010) 500 ml plastic HNO₃ wihm wo

Signature:

Field Data Sheet Groundwater Sampling Form Site Information 2560 Soquel Ave. #202 Santa Cruz, CA 95062 (831) 475-8141 900 Central Ave. RW-1 KCE514 Project Address Well/Sample Point ID Alameda Alameda California Purge Information Water Level Equipment Purge Equipment Electronic Indicator Bailer Diposable Teflon #: ___ Oil Water Interface Probe Other (specify) Other (specify) Purge Calculation casing gallons per Purged By: linear foot diameter name total depth = 19, 0.5 0.75 in. 0.023 Purge Notes: depth to water - 12.25 0.04 1 in. linear feet of water = 6.80 2 in. 0.17 gallons per linear foot X _ 4 in. 0.67 gallons per casing = 4.56 6 in. 1.5 number of casings X other calculate calculated purge = 13.67 1 cubic foot = 7.48 gallons Purged Dry?: N circle Y Sampling Delay?: N circle Y temp (°F circle °C) time gallons turbity pН color odor (us @ 25° C) (24:00)(units) (purged) (see below) (NTU or see below (see below) start 8.04 223 20,0 Strom 7894 hus volume 1 1226 9.00 205 u u volume 2 n 229 13,75 n n volume 3 volume 4 complete brown, yellow cloudy, clear heavy, moderate strong, moderate slight, trace slight, none Groundwater Sampling Information Sample Type Sampling Equipment Bailer Monitoring Well Diposable Teflon #: ____ Extraction Well Submersible Pump; type: _ Domestic Well Sampling Port Other (specify) Other (specify) Time (24:00) Sample ID 1240 RW-1 090408 Sampled By: Dupe # 12:00 # of Cont. Analyses (check and circle) Container/Size Preservative Sampling Notes: TPH gas (8260B) 40 ml BTEX (8260B) Fuel Oxys, no MtBE (8270) MtBE (8270) Other (specify) VOCs (8010 or 8240 or 8260B) 40 ml VOA нсі

TPH diesel (8015M)

Metals (8010)

Other (specify)

1 liter amber

500 ml plastic

none

HNO₃

Signature:

with