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Colonel John C. Kubinec
377 ABW/CC
2000 Wyoming Blvd SE
Kirtland AFB NM 87117-5600

Mr. John Kieling, Manager
RCRA Permits Management Program
Hazardous Waste Bureau (HWB)
New Mexico Environment Department (NMED)
2905 Rodeo Park Road
Santa Fe New Mexico 87505

Dear Mr. Kieling

Attached please find *Additional Groundwater Monitoring Wells (GMW), Addendum to Groundwater Investigation Work Plan (GIWP), March 2011, Bulk Fuels Facility Spill, Solid Waste Management Units ST-106 and SS-111, Kirtland Air Force Base, New Mexico, dated March 16, 2012.* The letter addendum discusses a proposal to install three (3) additional shallow groundwater monitoring wells in order to address data gaps identified in the characterization of the dissolved-phase groundwater plume. Included in the proposal is information detailing the correlation between 1, 2-dibromethane (EDB) detections in shallow wells whenever detections were observed in intermediate and deep wells in accordance with the request 15 February 2012 by Dr. Jim Davis.

Please contact Mr. Wayne L. Bitner at (505) 853-3484 or at ludie.bitner@kirtland.af.mil or Ms. Victoria R. Martinez at (505) 846-6362 or at victoria.martinez@kirtland.af.mil if you have any questions.

Sincerely

JOHN C. KUBINEC, Colonel, USAF
Commander

Attachment:
March 16, 2012, Additional GMW, Addendum to GIWP, March 2011

KAFB3872

cc:
NMED-RPD (Davis), w/out attach
NMED-HWB (Moats, McDonald, Salem, Brandwein), w/ attach
NMED-GWQB (J. Schoeppner), w/ attach
NMED-OGC (L. Barnhart), w/out attach
EPA Region 6 (L. King), w/out attach
AFCEE/CMSE (Mr. Oyelowo), w/out attach
/EXEC (Mr. Urrutia), w/out attach
Public Info Repository (Central New Mexico), w/ attach
Administrative Record/Information Repository (AR/IR), w/ attach
File, w/ attach

40 CFR 270.11
DOCUMENT CERTIFICATION
March 2012

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

JOHN C. KUBINEC, Colonel, USAF
Commander

This document has been approved for public release.

KIRTLAND AIR FORCE BASE
377 ABW Public Affairs

Shaw Environmental, Inc.

2440 Louisiana Blvd NE, Suite 300
Albuquerque, NM 87110
Phone: 505.262.8928

Shaw® Shaw Environmental, Inc.

March 16, 2012

Subject: **Additional Groundwater Monitoring Wells**
Addendum to Groundwater Investigation Work Plan, March 2011
Bulk Fuels Facility Spill, Solid Waste Management Units ST-106 and SS-111
Kirtland Air Force Base, New Mexico

This letter is being submitted as an addendum to the Groundwater Investigation Work Plan, prepared by Shaw Environmental and Infrastructure, Inc. (Shaw) for the U.S. Army Corps of Engineers (USACE) under contract W912DY-10-D-0014, Delivery Order 0002. This letter describes Shaw's proposal to install three additional groundwater monitoring wells in order to address data gaps identified in the characterization of the dissolved-phase groundwater plume as part of the Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) for groundwater.

During the analysis and evaluation of data collected during the Third Quarter 2011 (July – August) sampling event, it was determined that additional data is needed at the downgradient portion of the 1,2-dibromethane (EDB) dissolved phase plume. Concentrations of EDB were greater than the maximum contaminant level (MCL) in the northeastern most groundwater monitoring wells (Figure 1).

As part of the evaluation, Shaw conducted an internal review of data which included site-specific data collected as part of the Groundwater Investigation Work Plan. This data includes hydraulic conductivity obtained from slug tests performed on 38 monitoring wells, bucket sample analyses for the screened interval of each groundwater monitoring well, lithology logs, and the results of the pumping test conducted at the Nitrate Abatement site that were included in the model. Shaw obtained recent, daily pumping rates for Ridgecrest Wells 3 and 5, as well as for KAFB-3, to evaluate the influence of the three water supply wells on the movement of the downgradient plume. Additionally, the United States Geological Survey (USGS) has continuous recording water level piezometers in the vicinity of the site and the data from these wells were evaluated. Figure 2 is a plot of the USGS water level contours from 2002 monitoring well data. This map illustrates that the general groundwater flow direction, and therefore the direction of flow for the dissolved phase EDB plume, is north-northeast towards the Ridgecrest 5 water supply well. This conceptual model is consistent with 2011 water levels measured in new wells at the site. These data, as well as numerical model-predicted flow contours, are presented in Figure 3.

Table 1 summarizes the EDB data from Fourth Quarter 2011 for all of the groundwater monitoring wells; the Fourth Quarter 2011 is the first dataset with data from all newly installed groundwater monitoring wells. EDB was detected in 16 shallow groundwater monitoring wells, 13 intermediate wells, and 2 deep wells. The two deep wells with detected concentrations of EDB are KAFB-106037 and KAFB-106058 and in both cases, there are also detected EDB concentrations in the shallow and intermediate wells of the clusters. Only one cluster (GWM-22) has an intermediate detection of EDB and no detection of EDB in the shallow monitoring well. All remaining 27clusters also have shallow EDB concentrations where there is intermediate and deep detections of EDB. Clusters located in the plume core indicate that there is minimal to no vertical EDB gradients between the shallow, intermediate, and deep well intervals. Wells located outside of the plume core have concentrations of EDB in the three intervals that are on average ±0.2 µg/L. The largest upward EDB gradient in the wells outside of the plume core is observed at cluster GWM 15 between the shallow (KAFB-106070) and intermediate (KAFB106072) wells and is on the order of 1.1; no

EDB was detected in the deep well at this cluster location. The trends observed in the Fourth Quarter 2011 data shows similar trends at each individual well cluster in the previous quarterly data (Third Quarter 2011).

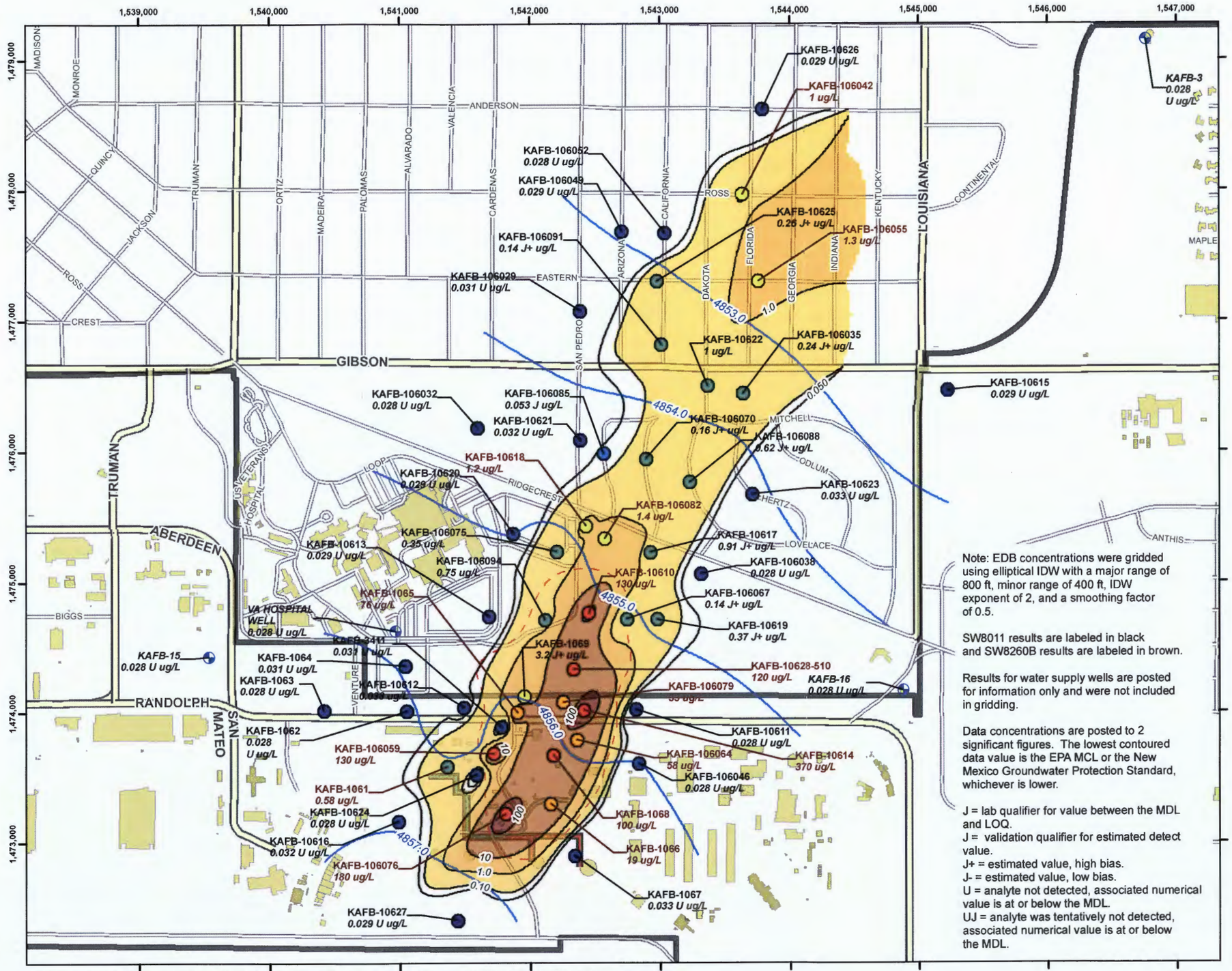
Table 5-1 from the Fourth Quarter 2011 report is included as Attachment A to this letter. This table includes the complete groundwater monitoring analytical data for Fourth Quarter 2011.

The USGS 2002 water level data (Figure 2) was used to inform the placement of the proposed locations of the additional groundwater monitoring wells (Figure 3). There are no existing monitoring wells in the vicinity of the three water supply wells of interest (Ridgecrest wells 3 and 5 and KAFB-3) and therefore additional data is required to verify groundwater elevations near the wells. Additionally, there is no monitoring well data for EDB in that area and additional data is required to verify the simulated current conditions with regard to the extent of the EDB plume.

Figure 3 illustrates the proposed locations of three new groundwater monitoring wells (KAFB-106201, -106202, and -106203). Shaw proposes drilling and installing the wells with the same construction as the shallow groundwater monitoring wells, as described in Sections 4.2.3 and 4.2.4 of the Groundwater Investigation Work Plan. The well construction will include the change to a 30-foot screen length as approved in the 24 June 2011 New Mexico Environment Department (NMED) letter. Each of the three wells will be geophysically logged following Section 4.2.5 of the work plan.

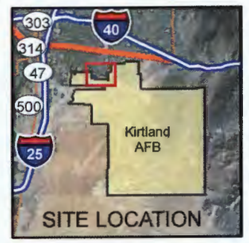
Once installed and developed, the wells will be integrated into the monitoring well program and sampled on a quarterly basis. Dedicated pumps will be installed in the three new wells.

Pneumatic slug testing will be conducted at each of the three new wells, in accordance with Section 5.1.2 of the LNAPL Containment Interim Measures Work Plan Part I – Characterization. The data of the slug tests will be analyzed to determine hydraulic conductivity values.



Legend

- Water Supply Well
- EDB Result (ug/L)
  - 0.011 - 0.050
  - 0.050 - 0.10
  - 0.10 - 1.0
  - 1.0 - 10
  - 10 - 100
  - 100 - 370
- EDB Concentration (ug/L)
  - 0.05 - 0.1
  - 0.1 - 1
  - 1.0 - 10
  - 10 - 100
  - 100 - 370
- Historical Area of Observed NAPL (July 2009)
- Groundwater Level Contour (ft msl)
- EDB Concentration Contour (ug/L)
- Major Road
- Road
- Aboveground Fuel Transfer Line
- Underground Fuel Transfer Line
- Structure
- Installation Boundary



Note: EDB concentrations were gridded using elliptical IDW with a major range of 800 ft, minor range of 400 ft, IDW exponent of 2, and a smoothing factor of 0.5.

SW8011 results are labeled in black and SW8260B results are labeled in brown.

Results for water supply wells are posted for information only and were not included in gridding.

Data concentrations are posted to 2 significant figures. The lowest contoured data value is the EPA MCL or the New Mexico Groundwater Protection Standard, whichever is lower.

J = lab qualifier for value between the MDL and LOQ.
J = validation qualifier for estimated detect value.
J+ = estimated value, high bias.
J- = estimated value, low bias.
U = analyte not detected, associated numerical value is at or below the MDL.
UJ = analyte was tentatively not detected, associated numerical value is at or below the MDL.

Revision Date: 01/24/12

N

0 400 800 1,600

Feet
1 inch = 800 feet

Projection : NAD83 State Plane New Mexico Central FIPS3002 Feet

BULK FUELS FACILITY
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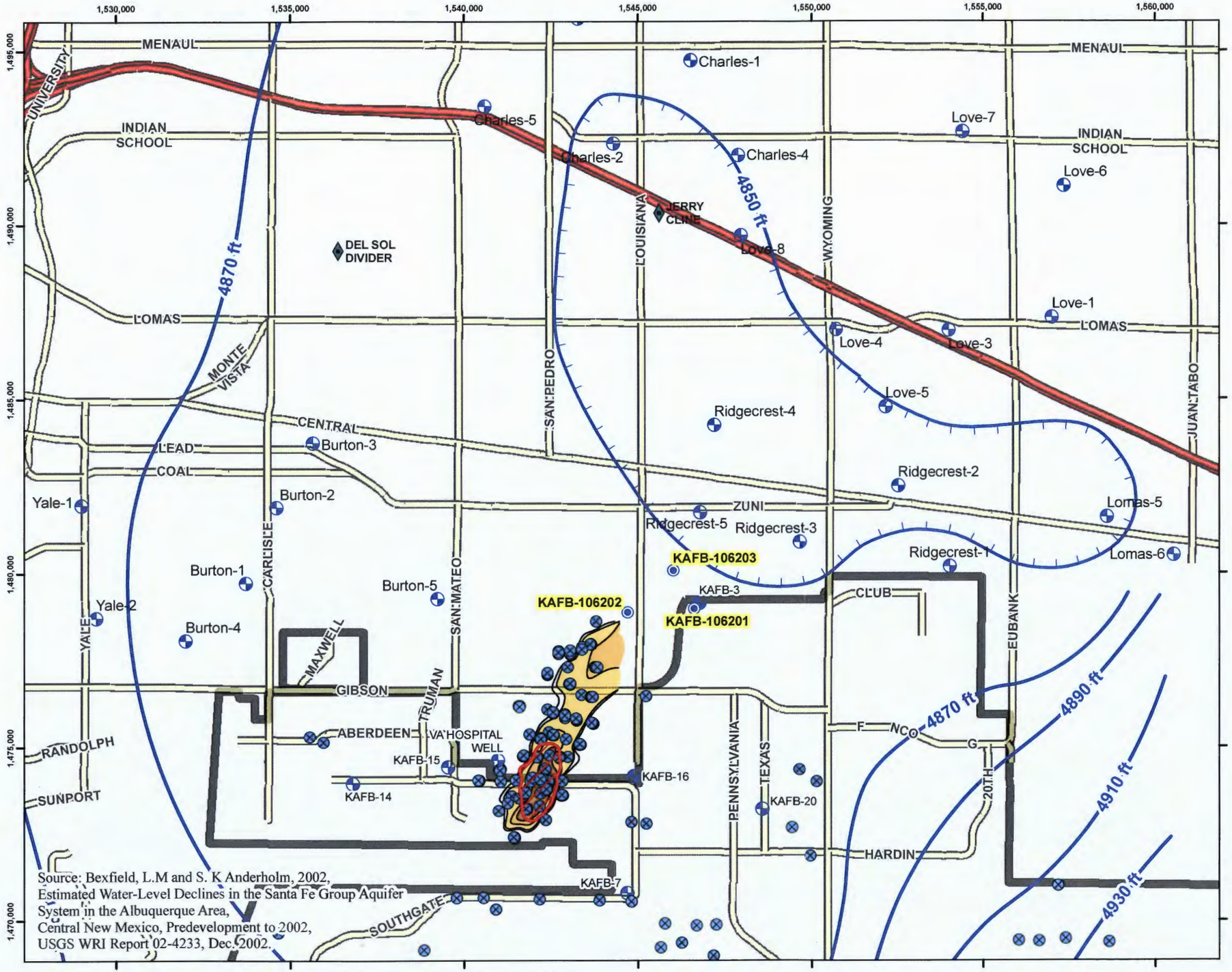
FIGURE 1

1,2-DIBROMOETHANE (EDB) CONCENTRATIONS IN SHALLOW GROUNDWATER

H:\Kirtland_AFB\GIS_Documents\Project_Maps\2001BA_2011_QTR_Monitor_SVE_OM\2011_03\KAFB_050_GW_EDB_shallow.mxd 01/24/12



H:\Kirtland_AFB\GIS_Documents\Project_Maps\Groundwater_Model\KAFB_002_USGS_waterlevel_2002.mxd 01/26/12

Legend

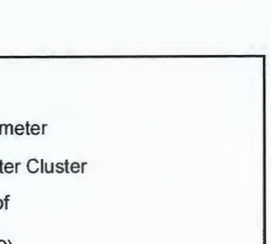
- Detection Piezometer
- USGS Piezometer Cluster
- Historical Area of Observed NAPL (July 2009)

USGS Water Level Contours 2002

- Contour
- Closed Contour
- Water Supply Well
- Monitor Well

EDB Concentration (ug/L)

- 0.05 - 0.1
- 0.1 - 1
- 1.0 - 10
- 10 - 100
- 100 - 370
- Interstate
- Major Road
- Installation Boundary



Revision Date: 01/26/12

N

0 1,500 3,000 6,000

Feet

1 inch = 3,000 feet

Projection : NAD83 State Plane New Mexico Central FIPS3002 Feet

BULK FUELS FACILITY
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FIGURE 2

2002 REGIONAL WATER LEVEL ELEVATIONS, USGS

1,540,000 1,545,000 1,550,000

1,480,000 1,475,000

ZUNI ZUNI CENTRAL

SAN MATEO LOUISIANA WYOMING

GIBSON GIBSON ABERDEEN HARDIN

TRUMAN PENNSYLVANIA TEXAS WYOMING

4843 4844 4841 4842 4850 4846 4845 4847 4848 4854 4855 4849 4856 4851 4860 4853 4852 4858 4857

Ridgecrest-5 Ridgecrest-3 Burton-5 KAFB-15 VA HOSPITAL WELL KAFB-16 KAFB-3 KAFB-20 KAFB-8281 KAFB-8282 KAFB-3392

KAFB-106203 KAFB-106202 KAFB-106201

John Carrillo Park Phil Chacon Park Wilson Park USS Bullhead Memorial Park

KAFB-106050 KAFB-106049 KAFB-106051 KAFB-106029 KAFB-106030 KAFB-106031 KAFB-106070 KAFB-106071 KAFB-106072 KAFB-106085 KAFB-106086 KAFB-106087 KAFB-106032 KAFB-106033 KAFB-106034 KAFB-106073 KAFB-106074 KAFB-106075 KAFB-106082 KAFB-106083 KAFB-106084 KAFB-106094 KAFB-106095 KAFB-106096 KAFB-106097 KAFB-106098 KAFB-106064 KAFB-106099 KAFB-106100 KAFB-106101 KAFB-106102 KAFB-106063 KAFB-1065 KAFB-1061 KAFB-106105 KAFB-106106 KAFB-106107 KAFB-106041 KAFB-106042 KAFB-106043 KAFB-10626 KAFB-106052 KAFB-106053 KAFB-106054 KAFB-10625 KAFB-10621 KAFB-10618 KAFB-10620 KAFB-10610 KAFB-10613 KAFB-1069 KAFB-10612 KAFB-1062 KAFB-10624 KAFB-3411 KAFB-10616 KAFB-106076 KAFB-106077 KAFB-106078 KAFB-10627 KAFB-106044 KAFB-106045 KAFB-106055 KAFB-106057 KAFB-106058 KAFB-106091 KAFB-106092 KAFB-106093 KAFB-10622 KAFB-106088 KAFB-106089 KAFB-106090 KAFB-10615 KAFB-10623 KAFB-106103 KAFB-106104 KAFB-10617 KAFB-106038 KAFB-106039 KAFB-106040 KAFB-106067 KAFB-106068 KAFB-106069 KAFB-10619 KAFB-106065 KAFB-106066 KAFB-10628-510 KAFB-106035 KAFB-106036 KAFB-106037 KAFB-106079 KAFB-106080 KAFB-106081 KAFB-10611 KAFB-10614 KAFB-106046 KAFB-106047 KAFB-106048 KAFB-106062 KAFB-106063 KAFB-106064 KAFB-1068 KAFB-1066 KAFB-1067 KAFB-106059 KAFB-106060 KAFB-106061 KAFB-0519 KAFB-0510-MW

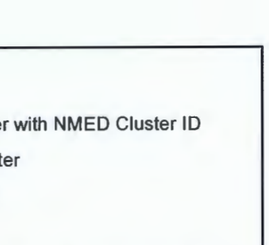
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28

Legend

- 10 Monitor Well Cluster with NMED Cluster ID
- Detection Piezometer
- Water Supply Well
- Monitor Well
- Groundwater Model Water Level Contour (ft)
- Regional Water Level Contour 2002 (ft)
- Water Level Contour 2011 (ft)
- NAPL Area

EDB Concentration (ug/L)

- 0.05 - 0.1
- 0.1 - 1
- 1.0 - 10
- 10 - 100
- 100 - 370
- Major Road
- Road
- Park
- Installation Boundary



Revision Date: 03/16/12

N

0 600 1,200 2,400

Feet

1 inch = 1,200 feet

Projection : NAD83 State Plane New Mexico Central FIPS3002 Feet

BULK FUELS FACILITY
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FIGURE 3

WELL LOCATION MAP

H:\Kirtland_AFB\GIS_Documents\Project_Maps\Groundwater_Model\KAFB_018_detection_piez_labeled.mxd 03/16/12

Table 1. EDB Concentration Comparison – Fourth Quarter 2011

NMED GMW Locations	Well ID	Interval	EDB Sample Result Oct-Dec 2011 (µg/kg)	Validation Qualifier	Δ Shallow/ Intermediate	Δ Intermediate/ Deep	Notes
3	KAFB-106035	Shallow	**0.43**		0.15	0.036	
	KAFB-106036	Intermediate	**0.277**				
	KAFB-106037	Deep	**0.241**				
5	KAFB-106041*	Not Measured			NA	NA	*KAFB-106041 was not sampled (dry well)
	KAFB-106042	Shallow	**0.645**	J+			
	KAFB-106043	Deep	ND	U			
10	KAFB-106055	Shallow	**0.645**		-0.125	0.204	
	KAFB-106057	Intermediate	**0.77**				
	KAFB-106058	Deep	**0.566**				
11	KAFB-106059	Shallow	**186**		NA	NA	
	KAFB-106060	Intermediate	ND	U			
	KAFB-106061	Deep	ND	U			
12	KAFB-106064	Shallow	**5.26**		NA	NA	
	KAFB-106063	Intermediate	ND	U			
	KAFB-106062	Deep	ND	U			
13	KAFB-10628	Shallow	**8.42**		NA	NA	
	KAFB-106065	Intermediate	ND	U			
	KAFB-106066	Deep	ND	U			
14	KAFB-106067	Shallow	**0.097**		-0.120	NA	
	KAFB-106069	Intermediate	**0.217**				
	KAFB-106068	Deep	ND	U			
15	KAFB-106070	Shallow	**0.0618**		-1.08	NA	
	KAFB-106072	Intermediate	**1.14**				
	KAFB-106071	Deep	ND	U			
16	KAFB-106075	Shallow	**0.207**		0.154	NA	
	KAFB-106073	Intermediate	**0.0531**				
	KAFB-106074	Deep	ND	U			
17	KAFB-106076	Shallow	**110**	D	110	NA	The sample from KAFB-106078 was rejected due to site contamination
	KAFB-106077	Intermediate	0.0208	J			
	KAFB-106078	Deep	R	R			
18	KAFB-106079	Shallow	**162**		162	NA	
	KAFB-106080	Intermediate	**0.246**				
	KAFB-106081	Deep	ND	U			
19	KAFB-106082	Shallow	**1.01**		0.321	NA	
	KAFB-106083	Intermediate	**0.689**				
	KAFB-106084	Deep	ND	U			
20	KAFB-106085	Shallow	0.0387		-0.513	NA	
	KAFB-106086	Intermediate	**0.552**				
	KAFB-106087	Deep	ND	U			
21	KAFB-106088	Shallow	**0.262**		-0.0690	NA	
	KAFB-106089	Intermediate	**0.331**				
	KAFB-106090	Deep	ND	U			
22	KAFB-106091	Shallow	ND	U	NA	NA	
	KAFB-106092	Intermediate	**0.146**	J			
	KAFB-106093	Deep	ND	U			

Table 1. EDB Concentration Comparison – Fourth Quarter 2011 (concluded)

NMED GMW Locations	Well ID	Interval	EDB Sample Result Oct-Dec 2011 (µg/kg)	Validation Qualifier	Δ Shallow/ Intermediate	Δ Intermediate/ Deep	Notes
23	KAFB-106094	Shallow	**2.32**		2.28	NA	
	KAFB-106095	Intermediate	0.0375	J			
	KAFB-106096	Deep	ND	U			
28	KAFB-106106	Shallow	**0.203**	J	0.126	NA	
	KAFB-106105	Intermediate	0.0775	J			
	KAFB-106107	Deep	ND	U			

Plume core groundwater monitoring wells

0.15 Calculated downward EDB gradient

-0.125 Calculated upward EDB gradient

Bold *indicated analyte detected greater than regulatory standard.*

Δ = Delta/difference

EDB Ethylyene dibromide.

GMW Groundwater monitoring well.

ID Identification.

J Estimated value, concentration is less than RL but greater than laboratory method detection limit (MDL).

J+ Estimated value, concentration is less than RL but greater than laboratory method detection limit (MDL); biased high.

J- Estimated value, concentration is less than RL but greater than laboratory method detection limit (MDL); biased high.

ND Not detected.

NMED New Mexico Environment Department.

U Analyte was not detected. The reported numerical value is at or below the RL.

UJ Analyte was *tentatively* not detected. The reported numerical value is at or below the RL.

R Sample data rejected due to site contamination.

ATTACHMENT A
Fourth Quarter 2011 Groundwater Analytical Results

Table 5-1
Groundwater Analyitcal Results
October - December 2011

			LOCATION CODE	KAFB-3			KAFB-15			KAFB-16			KAFB-1061			KAFB-1062			KAFB-1063			KAFB-1064			KAFB-1065			KAFB-1066		
			SAMPLE NO	GW0251			GW0252			GW0253			GW0256			GW0258			GW0365			GW0361			GW0259			GW0260		
			SAMPLE DATE	4-Oct-11			4-Oct-11			4-Oct-11			6-Oct-11			10-Nov-11			20-Oct-11			10-Nov-11			12-Dec-11			12-Dec-11		
			SAMPLE PURPOSE	REG			REG			REG			REG			REG			REG			REG			REG			REG		
			SAMPLE DEPTH	0-0 FT			0-0 FT			0-0 FT			483-508 FT			479-504 FT			476-501 FT			484-509 FT			479-506 FT			484-509 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec 20.6.2.3103)[b]	NMED Approved Background[c]	EPA MCLs[c,d]	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
TPH (µg/L)	DIESEL RANGE ORGANICS	N/A	N/A	N/A	ND	UJ	94.3	ND	UJ	93.5	ND	UJ	93.5	228	J-	96.2	ND	U	96.2	ND	U	96.2	ND	U	94.3	83600	J-	2000	ND	UJ	94.3
Method 8015B	GASOLINE RANGE ORGANICS	N/A	N/A	N/A	ND	U	150	ND	U	150	ND	U	150	ND	U	150	ND	U	150	ND	U	150	ND	U	150	21400		3750	611		150
VOCs (µg/L)	1,1,1,2-TETRACHLOROETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25	ND	U	1
Method 8260B	1,1,1-TRICHLOROETHANE	60	N/A	60	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25	ND	U	1
	1,1,2,2-TETRACHLOROETHANE	10	N/A	10	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25	ND	U	1
	1,1,2-TRICHLOROETHANE	100	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25	ND	U	1
	1,1-DICHLOROETHANE	25	N/A	25	ND	U	1	ND	U	1	ND	U	1	ND	UJ	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25	ND	U	1
	1,1-DICHLOROETHENE	5	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25	ND	U	1
	1,1-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25	ND	U	1
	1,2,3-TRICHLOROBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25	ND	U	1
	1,2,3-TRICHLOROPROPANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	50	ND	U	2
	1,2,4-TRICHLOROBENZENE	N/A	N/A	70	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25	ND	U	1
	1,2,4-TRIMETHYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	445		25	13.2		1
	1,2-DIBROMO-3-CHLOROPROPANE	N/A	N/A	0.2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	50	ND	U	2
	1,2-DIBROMOETHANE	0.1	N/A	0.05	ND	U	1	ND	U	1	ND	U	1	0.416	J	1	ND	U	1	ND	U	1	ND	U	1	81.8		25	1.3		1
	1,2-DIBROMOETHANE (Method 8011)	0.1	N/A	0.05	ND	U	0.0284	ND	U	0.0282	ND	U	0.0283	0.315		0.0284	ND	U	0.0275	ND	U	0.0284	ND	U	0.0281	63.8		5.68	1.36		0.141
	1,2-DICHLOROBENZENE	N/A	N/A	600	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25	ND	U	1
	1,2-DICHLOROETHANE	10	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25	ND	U	1
	1,2-DICHLOROPROPANE	N/A	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25	ND	U	1
	1,3,5-TRIMETHYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	188		25	6.51		1
	1,3-DICHLOROBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25	ND	U	1
	1,3-DICHLOROPROPANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25	ND	U	1
	1,4-DICHLOROBENZENE	N/A	N/A	75	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25	ND	U	1
	2,2-DICHLOROPROPANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25	ND	U	1
	2-BUTANONE	N/A	N/A	N/A	ND	U	10	ND	U	10	ND	U	10	ND	U	10	ND	U	10	ND	U	10	ND	U	10	106	J	250	ND	U	10
	2-CHLOROTOLUENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25	ND	U	1
	2-HEXANONE	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	UJ	5	ND	U	5	660		125	1.38	J	5
	4-CHLOROTOLUENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25	ND	U	1
	4-METHYL-2-PENTANONE	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	UJ	5	ND	U	5	ND	U	125	1.82	J	5
	ACETONE	N/A	N/A	N/A	ND	U	10	ND	U	10	ND	U	10	ND	U	10	ND	U	10	ND	U	10	ND	U	10	181	J+	250	4.06	J+	10
	BENZENE	10	N/A	5	ND	U	1	ND	U	1	ND	U	1	6.32		1	ND	U	1	ND	U	1	ND	U	1	1750		25	52.6		1
	BROMOBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25	ND	U	1
	BROMOCHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25	ND	U	1
	BROMODICHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25	ND	U	1
	BROMOFORM	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25	ND	U	1
	BROMOMETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	UJ	50	ND	UJ	2
	CARBON DISULFIDE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	UJ	1	ND	U	1	ND	U	1	ND	U	1	6.79	J	25	ND	U	1
	CARBON TETRACHLORIDE	10	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25	ND	U	1
	CHLOROBENZENE	N/A	N/A	100	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25	ND	U	1
	CHLOROETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	50	ND	U	2
	CHLOROFORM	100	N/A	100	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25	ND	U	1
	CHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	0.347	J	1	ND	U	1	ND	U	1	ND	U	25	ND	U	1
	CIS-1,2-DICHLOROETHENE	N/A	N/A	70	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25	ND	U	1
	CIS-1,3-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25	ND	U	1
	DIBROMOCHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25	ND	U	1
	DIBROMOMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25	ND	U	1
	DICHLORODIFLUOROMETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	50	ND	U	2
	ETHYLBENZENE	750	N/A	700	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	394		25	14.6		1
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25	ND	U	1
	ISOPROPYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	59		25	3.84		1
	METHYL TERT-BUTYL ETHER	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	UJ	1	ND	U	1	ND	UJ	1	ND	U	1	ND	U	25	ND	U	1
	METHYLENE CHLORIDE	100	N/A	5	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	50	ND	U	2
	NAPHTHALENE	N/A	N/A	30	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	239		25	3.73		1
	N-BUTYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	55.7		25	1.63		1
	N-PROPYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	71.2		25	6.13		1
	P-ISOPROPYLTOLUENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	56.2		25	1.88		1
	SEC-BUTYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	43		25	3.67		1
	STYRENE	N/A	N/A	100	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25	ND	U	1
	TERT-BUTYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25	ND	U	1
	TETRACHLOROETHENE	N/A	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25	ND	U	1
	TOLUENE	750	N/A	750	ND	U	1	ND	U	1	ND	U	1	9.76		1	ND	U	1	ND	U	1	ND	U	1	4920		25	98.7		1
	TRANS-1,2-DICHLOROETHENE	N/A	N/A	100	ND	U	1	ND	U	1	ND	U	1	ND	UJ	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25	ND	U	1
	TRANS-1,3-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25	ND	U	1
	TRICHLOROETHENE	N/A	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	0.41	J	1	ND	U	25	ND	U	1
	TRICHLOROFLUOROMETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	50	ND	U	2
	VINYL CHLORIDE	1	N/A	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25	ND	U	1
	XYLENES	620	N/A	10000	ND	U	3	ND	U	3	ND	U	3	0.994	J	3	ND	U	3	ND	U	3	ND	U	3	1470		75	73.4		3

Table 5-1
Groundwater Analyitcal Results
October - December 2011

			LOCATION CODE		KAFB-3			KAFB-15			KAFB-16			KAFB-1061			KAFB-1062			KAFB-1063			KAFB-1064			KAFB-1065			KAFB-1066		
			SAMPLE NO		GW0251			GW0252			GW0253			GW0256			GW0258			GW0365			GW0361			GW0259			GW0260		
			SAMPLE DATE		4-Oct-11			4-Oct-11			4-Oct-11			6-Oct-11			10-Nov-11			20-Oct-11			10-Nov-11			12-Dec-11			12-Dec-11		
			SAMPLE PURPOSE		REG			REG			REG			REG			REG			REG			REG			REG			REG		
			SAMPLE DEPTH		0-0 FT			0-0 FT			0-0 FT			483-508 FT			479-504 FT			476-501 FT			484-509 FT			479-506 FT			484-509 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec 20.6.2.3103)[a]	NMED Approved Background[b]	EPA MCLs[c,d]	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
SVOCs (µg/L)	1,1-BIPHENYL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.63	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	32.2	J	47.2	ND	U	4.72
Method 8270C	1,2-DIPHENYLHYDRAZINE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.63	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	47.2	ND	U	4.72
	2,4,5-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.63	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	47.2	ND	U	4.72
	2,4,6-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.63	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	47.2	ND	U	4.72
	2,4-DICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.63	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	47.2	ND	U	4.72
	2,4-DIMETHYLPHENOL	N/A	N/A	N/A	ND	U	18.9	ND	U	18.5	ND	U	18.7	ND	U	18.9	ND	U	18.9	ND	U	19.2	ND	U	19.2	400		189	ND	U	18.9
	2,4-DINITROPHENOL	N/A	N/A	N/A	ND	UJ	47.2	ND	U	46.3	ND	U	46.7	ND	UJ	47.2	ND	U	47.2	ND	U	48.1	ND	U	48.1	ND	U	472	ND	U	47.2
	2,4-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.63	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	47.2	ND	U	4.72
	2,6-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.72	ND	UJ	4.63	ND	UJ	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	47.2	ND	U	4.72
	2-CHLORONAPHTHALENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.63	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	UJ	4.81	ND	U	4.81	ND	U	47.2	ND	U	4.72
	2-CHLOROPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.63	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	47.2	ND	U	4.72
	2-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.63	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	123		47.2	ND	U	4.72
	2-NITROANILINE	N/A	N/A	N/A	ND	U	18.9	ND	U	18.5	ND	U	18.7	ND	U	18.9	ND	U	18.9	ND	U	19.2	ND	U	19.2	ND	U	189	ND	U	18.9
	2-NITROPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.63	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	47.2	ND	U	4.72
	3,3'-DICHLOROBENZIDINE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.63	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	47.2	ND	U	4.72
	3-METHYLPHENOL AND 4-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.63	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	152		47.2	ND	U	4.72
	3-NITROANILINE	N/A	N/A	N/A	ND	U	18.9	ND	U	18.5	ND	U	18.7	ND	U	18.9	ND	U	18.9	ND	U	19.2	ND	U	19.2	ND	U	189	ND	U	18.9
	4,6-DINITRO-2-METHYLPHENOL	N/A	N/A	N/A	ND	U	18.9	ND	UJ	18.5	ND	UJ	18.7	ND	UJ	18.9	ND	U	18.9	ND	U	19.2	ND	U	19.2	ND	U	189	ND	U	18.9
	4-BROMOPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.72	ND	U	4.63	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	47.2	ND	U	4.72
	4-CHLORO-3-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.63	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	47.2	ND	U	4.72
	4-CHLOROANILINE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.63	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	47.2	ND	U	4.72
	4-CHLOROPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.72	ND	U	4.63	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	47.2	ND	U	4.72
	4-NITROANILINE	N/A	N/A	N/A	ND	UJ	18.9	ND	U	18.5	ND	U	18.7	ND	UJ	18.9	ND	U	18.9	ND	U	19.2	ND	U	19.2	ND	U	189	ND	U	18.9
	4-NITROPHENOL	N/A	N/A	N/A	ND	U	18.9	ND	U	18.5	ND	U	18.7	ND	U	18.9	ND	U	18.9	ND	UJ	19.2	ND	U	19.2	ND	U	189	ND	U	18.9
	ACETOPHENONE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.63	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	212		47.2	15.1		4.72
	ATRAZINE	N/A	N/A	N/A	ND	UJ	4.72	ND	UJ	4.63	ND	UJ	4.67	ND	U	4.72	ND	UJ	4.72	ND	U	4.81	ND	UJ	4.81	ND	U	47.2	ND	U	4.72
	BENZALDEHYDE	N/A	N/A	N/A	ND	UJ	4.72	ND	U	4.63	ND	U	4.67	ND	U	4.72	ND	UJ	4.72	ND	UJ	4.81	ND	UJ	4.81	ND	UJ	47.2	ND	UJ	4.72
	BENZIDINE	N/A	N/A	N/A	ND	U	47.2	ND	U	46.3	ND	U	46.7	ND	U	47.2	ND	U	47.2	ND	U	48.1	ND	U	48.1	ND	U	472	ND	U	47.2
	BENZOIC ACID	N/A	N/A	N/A	ND	U	47.2	ND	UJ	46.3	ND	UJ	46.7	ND	UJ	47.2	ND	U	47.2	ND	U	48.1	ND	U	48.1	ND	U	472	ND	U	47.2
	BIS(2-CHLOROETHOXY)METHANE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.63	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	47.2	ND	U	4.72
	BIS(2-CHLOROETHYL)ETHER	N/A	N/A	N/A	ND	U	4.72	ND	U	4.63	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	47.2	ND	U	4.72
	BIS(2-CHLOROISOPROPYL)ETHER	N/A	N/A	N/A	ND	UJ	4.72	ND	U	4.63	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	47.2	ND	U	4.72
	BIS(2-ETHYLHEXYL)PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.63	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	47.2	ND	U	4.72
	BUTYL BENZYL PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.63	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	47.2	ND	U	4.72
	CAPROLACTAM	N/A	N/A	N/A	ND	UJ	4.72	ND	UJ	4.63	ND	UJ	4.67	ND	UJ	4.72	ND	UJ	4.72	ND	U	4.81	ND	UJ	4.81	ND	UJ	47.2	1.66	J-	4.72
	CARBAZOLE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.63	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	47.2	ND	U	4.72
	DIBENZOFURAN	N/A	N/A	N/A	ND	U	4.72	ND	U	4.63	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	47.2	ND	U	4.72
	DIETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.63	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	47.2	ND	U	4.72
	DIMETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.63	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	47.2	ND	U	4.72
	DI-N-BUTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.63	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	47.2	ND	U	4.72
	DI-N-OCTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.63	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	47.2	ND	U	4.72
	HEXACHLOROBENZENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.63	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	47.2	ND	U	4.72
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	4.72	ND	UJ	4.63	ND	UJ	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	47.2	ND	U	4.72
	HEXACHLOROCYCLOPENTADIENE	N/A	N/A	N/A	ND	UJ	4.72	ND	UJ	4.63	ND	UJ	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	47.2	ND	U	4.72
	HEXACHLOROETHANE	N/A	N/A	N/A	ND	UJ	4.72	ND	UJ	4.63	ND	UJ	4.67	ND	UJ	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	47.2	ND	U	4.72
	ISOPHORONE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.63	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	47.2	ND	U	4.72
	NITROBENZENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.63	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	47.2	ND	U	4.72
	N-NITROSO-DI-N-PROPYLAMINE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.63	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	47.2	ND	U	4.72
	N-NITROSODIPHENYLAMINE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.63	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	47.2	ND	U	4.72
	PENTACHLOROPHENOL	N/A	N/A	N/A	ND	UJ	18.9	ND	U	18.5	ND	U	18.7	ND	U	18.9	ND	U	18.9	ND	U	19.2	ND	U	19.2	ND	U	189	ND	U	18.9
	PHENOL	N/A	N/A	5	ND	U	4.72	ND	U	4.63	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	31.8	J	47.2	ND	U	4.72
PAHs (µg/L)	1-METHYL NAPHTHALENE	N/A	N/A	30	ND	U	4.72	ND	U	4.63	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	135		47.2	1.56	J	4.72
Method 8270C	2-METHYLNAPHTHALENE	N/A	N/A	30	ND	U	4.72	ND	U	4.63	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	123		47.2	1.56	J	4.72
	ACENAPHTHENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.63	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	47.2	ND	U	4.72
	ACENAPHTHYLENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.63	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	47.2	ND	U	4.72
	ANTHRACENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.63	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	47.2	ND	U	4.72
	BENZO(A)ANTHRACENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.63	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	47.2	ND	U	4.72
	BENZO(A)PYRENE	0.7	N/A	0.2	ND	U	4.72	ND	U	4.63	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	47.2	ND	U	4.72
	BENZO(B)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.63	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	47.2	ND	U	4.72
	BENZO(GHI)PERYLENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.63	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	47.2	ND	U	4.72
	BENZO(K)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.63	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	47.2	ND	U	4.72
	CHRYSENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.63	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	47.2	ND	U	4.72
	DIBENZO(A,H)ANTHRACENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.63	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	47.2	ND	U	4.72
	FLUORANTHENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.63	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	47.2	ND	U	4.72
	FLUORENE	N/A	N/A	N/A	ND	UJ	4.72	ND	U	4.63	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	47.2	ND	U	4.72
	INDENO(1,2,3-CD)PYRENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.63	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	47.2	ND	U	4.72
	NAPHTHALENE	N/A	N/A	30	ND	U	4.72	ND	U	4.63	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	104		47.2	2.22	J	4.72
	PHENANTHRENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.63	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	47.2	ND	U	4.72
	PYRENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.63	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	47.2	ND	U	4.72
PAHs (µg/L)	1-METHYL NAPHTHALENE	N/A	N/A	30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Method 8270C	2-METHYLNAPHTHALENE	N/A	N/A	30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Low detection limit	ACENAPHTHENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	ACENAPHTHYLENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	ANTHRACENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(A)ANTHRACENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(A)PYRENE	0.7	N/A	0.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(B)FLUORANTHENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(GHI)PERYLENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(K)FLUORANTHENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	CHRYSENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	DIBENZO(A,H)ANTHRACENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	FLUORANTHENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	FLUORENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	INDENO(1,2,3-CD)PYRENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	NAPHTHALENE	N/A	N/A	30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	PHENANTHRENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	PYRENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table 5-1
Groundwater Analyitcal Results
October - December 2011

					LOCATION CODE	KAFB-3			KAFB-15			KAFB-16			KAFB-1061			KAFB-1062			KAFB-1063			KAFB-1064			KAFB-1065			KAFB-1066		
					SAMPLE NO	GW0251			GW0252			GW0253			GW0256			GW0258			GW0365			GW0361			GW0259			GW0260		
					SAMPLE DATE	4-Oct-11			4-Oct-11			4-Oct-11			6-Oct-11			10-Nov-11			20-Oct-11			10-Nov-11			12-Dec-11			12-Dec-11		
					SAMPLE PURPOSE	REG			REG			REG			REG			REG			REG			REG			REG			REG		
					SAMPLE DEPTH	0-0 FT			0-0 FT			0-0 FT			483-508 FT			479-504 FT			476-501 FT			484-509 FT			479-506 FT			484-509 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec 20.6.2.3103)[c]	NMED Approved Background[b]	EPA MCLs[c,d]	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
Metals (mg/L)	CALCIUM	N/A	N/A	N/A	42.6		5	30.9		5	51.1		5	49		5	46.1		5	111		5	63.9		5	137		5	47.9		5
Method 6010B	IRON, DISSOLVED	1	N/A	0.3	ND	U	0.1	ND	U	0.1	ND	U	0.1	0.0866	J	0.1	ND	U	0.1	ND	U	0.1	ND	U	0.1	2.46	J+	0.1	0.0572	J+	0.1
	LEAD	0.05	0.01	0.015	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003
	MAGNESIUM	N/A	N/A	N/A	5.52		5	7.4		5	5.58		5	7.36		5	6.96		5	17		5	9.22		5	22.6		5	6.58		5
	MANGANESE, DISSOLVED	0.2	N/A	0.05	ND	U	0.015	0.0236		0.015	0.00618	J	0.015	0.342		0.015	ND	U	0.015	ND	U	0.015	ND	U	0.015	4.55		0.015	0.0952		0.015
	POTASSIUM	N/A	N/A	N/A	2.24	J	5	6.32		5	3.75	J	5	2.58	J	5	2.55	J	5	4.12	J	5	2.97	J	5	5.01		5	2.46	J	5
	SODIUM	N/A	N/A	N/A	21.6		5	35.3		5	29.3		5	23.4		5	23.7		5	51.3	J+	5	27.3		5	71.7		5	27.2		5
Anions (mg/L)	AMMONIA (AS N) (Method 4500NH3BG)	N/A	N/A	N/A	ND	U	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3	0.178	J	0.3	ND	U	0.3
Method E300.0	CHLORIDE	250	N/A	250	26.9		10	43.1		10	49.9		10	12.7		10	19.9	J+	2.5	91.1		10	42.9	J+	2.5	137		0.5	10.5		0.5
	NITROGEN, NITRATE-NITRITE (Method E353.2)	N/A	4	N/A	0.549	J	1.5	ND	U	1.5	ND	U	1.5	ND	U	1.5	0.744	J	1.5	3.41		1.5	2.78		1.5	ND	U	1.5	ND	U	1.5
	SULFATE	600	N/A	250	34.7		20	31.3		20	30.5		20	31.1		20	46.5		2.5	167		20	89.5		25	19		2	26		2
	SULFIDE, TOTAL (Method 4500SC2F)	N/A	N/A	N/A	0.741	J	3.7	ND	U	3.39	0.741	J	3.7	ND	U	3.45	ND	U	3.7	ND	U	3.39	ND	U	3.45	1.3	J	3.7	1.4	J	3.45
Alkalinity (mg/L)	ALKALINITY, BICARBONATE (AS CACO3)	N/A	N/A	N/A	114		1	86.1		1	91.9		1	144		1	102		1	80.8		1	81.5		1	294		1	128		1
Method SM2320B	ALKALINITY, CARBONATE (AS CACO3)	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
Field Parameters	Temperature (°C)	N/A	N/A	N/A	19.80			27.21			27.77			19.99			18.08			19.01			18.35			19.82			18.67		
	pH (S.U.)	N/A	N/A	N/A	7.99			7.20			7.57			7.44			7.71			7.73			7.55			6.61			7.60		
	Spec Cond (µS/cm2)	N/A	N/A	N/A	373.1			401.0			433.2			368.9			373.3			847.8			484.9			1029.0			350.9		
	DO (mg/L)	N/A	N/A	N/A	4.92			1.87			1.79			1.05			4.55			7.95			5.99			NR-EF			0.57		
	ORP (mV)	N/A	N/A	N/A	203			186			185			-80			314			109			197			-239			-171		
	Turbidity (NTU)	N/A	N/A	N/A	0.57			0.56			0.49			0.99			1.15			0.64			0.68			114.00			0.55		
	Alkalinity (mg/L as CaCO3)	N/A	N/A	N/A	107			103			100			140			156			90			98			320			160		

The NMWQCC standard and EPA MCL for m,p- xylene and o-xylene is for total xylenes.

a EPA analytical methods listed are for the most recent sampling event.

b NMED-HWB Approved Background Concentrations, SNL/Kirtland AFB, Chemical Constituents in Ground Water.
Concentrations exceeding background are shown in italics, if applicable.

c EPA National Primary Drinking Water Standards - Maximum Contaminant Levels (MCLs), or if more stringent,
New Mexico Water Quality Control Commission (WQCC) Regulations as denoted by "*".
Concentrations exceeding standards are **BOLD**.

d The WQCC regulation for PAHs of 30 ug/L is a total of the concentrations of naphthalene,
1-methylnaphthalene, and 2-methylnaphthalene.

Shading indicates the analyte was detected.

Bold indicated analyte detected greater than regulatory standard

J = estimated value, concentration is less than RL but greater than laboratory method detection limit (MDL).

J+ = estimated value, concentration is less than RL but greater than laboratory method detection limit (MDL); biased high.

J- = estimated value, concentration is less than RL but greater than laboratory method detection limit (MDL); biased high.

U = Analyte was not detected. The reported numerical value is at or below the RL.

UJ = Analyte was *tentatively* not detected. The reported numerical value is at or below the RL.

N/A = Not applicable

ND = Not detected

NM = Not measured due to equipment malfunction.

NR = Not recorded or reported due to operational error

NR-EF = Not recorded due to equipment malfunction or failure

R = sample data rejected due to site contamination

Table 5-1
Groundwater Analyitcal Results
October - December 2011

			LOCATION CODE	KAFB-1067			KAFB-1068			KAFB-1069			KAFB-10610			KAFB-10610			KAFB-10611			KAFB-10612			KAFB-10613			KAFB-10614		
			SAMPLE NO	GW0261R			GW0262			GW0263			GW0264			GW0265			GW0266			GW0267			GW0358			GW0268		
			SAMPLE DATE	18-Oct-11			8-Dec-11			22-Nov-11			15-Dec-11			15-Dec-11			19-Oct-11			2-Nov-11			6-Oct-11			21-Nov-11		
			SAMPLE PURPOSE	REG			REG			REG			REG			FD			REG			REG			REG			REG		
			SAMPLE DEPTH	484-509 FT			486-511 FT			480-505 FT			483-508 FT			483-508 FT			486-511 FT			481-506 FT			487-512 FT			486-511 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[b]	NMED Approved Background[b]	EPA MCLs[c,d]	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
TPH (ug/L)	DIESEL RANGE ORGANICS	N/A	N/A	N/A	ND	U	94.3	10100	J-	1890	14900		980	61100		1960	72800		1960	ND	U	94.3	ND	U	94.3	196	J-	96.2	22100		962
Method 8015B	GASOLINE RANGE ORGANICS	N/A	N/A	N/A	ND	U	150	5960		750	20100		1500	56100		7500	58300		7500	222		150	ND	U	150	ND	U	150	21900	J+	3750
VOCs (ug/L)	1,1,1,2-TETRACHLOROETHANE	N/A	N/A	N/A	ND	U	1	ND	U	20	ND	U	50	ND	U	100	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	50
Method 8260B	1,1,1-TRICHLOROETHANE	60	N/A	60	ND	U	1	ND	U	20	ND	U	50	ND	U	100	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	50
	1,1,2,2-TETRACHLOROETHANE	10	N/A	10	ND	U	1	ND	U	20	ND	U	50	ND	U	100	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	50
	1,1,2-TRICHLOROETHANE	100	N/A	5	ND	U	1	ND	U	20	ND	U	50	ND	U	100	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	50
	1,1-DICHLOROETHANE	25	N/A	25	ND	U	1	ND	U	20	ND	U	50	ND	U	100	ND	U	100	ND	U	1	ND	U	1	ND	UJ	1	ND	U	50
	1,1-DICHLOROETHENE	5	N/A	5	ND	U	1	ND	U	20	ND	U	50	ND	U	100	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	50
	1,1-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	1	ND	U	20	ND	U	50	ND	U	100	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	50
	1,2,3-TRICHLOROBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	20	ND	U	50	ND	U	100	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	50
	1,2,3-TRICHLOROPROPANE	N/A	N/A	N/A	ND	U	2	ND	U	40	ND	U	100	ND	U	200	ND	U	200	ND	U	2	ND	U	2	ND	U	2	ND	U	100
	1,2,4-TRICHLOROBENZENE	N/A	N/A	70	ND	U	1	ND	U	20	ND	U	50	ND	U	100	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	50
	1,2,4-TRIMETHYLBENZENE	N/A	N/A	N/A	ND	U	1	73.4		20	67.8		50	325		100	338		100	ND	U	1	ND	U	1	ND	U	1	230		50
	1,2-DIBROMO-3-CHLOROPROPANE	N/A	N/A	0.2	ND	U	2	ND	U	40	ND	U	100	ND	U	200	ND	U	200	ND	U	2	ND	U	2	ND	U	2	ND	U	100
	1,2-DIBROMOETHANE	0.1	N/A	0.05	ND	U	1	ND	U	20	ND	U	50	125		100	138		100	ND	U	1	ND	U	1	ND	U	1	110		50
	1,2-DIBROMOETHANE (Method 8011)	0.1	N/A	0.05	ND	U	0.0284	0.803		0.0281	1.12	J	0.0281	126		5.66	129		5.6	ND	U	0.0285	ND	UJ	0.0282	ND	U	0.0284	118	J	14.2
	1,2-DICHLOROBENZENE	N/A	N/A	600	ND	U	1	ND	U	20	ND	U	50	ND	U	100	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	50
	1,2-DICHLOROETHANE	10	N/A	5	ND	U	1	ND	U	20	ND	U	50	ND	U	100	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	50
	1,2-DICHLOROPROPANE	N/A	N/A	5	ND	U	1	ND	U	20	ND	U	50	ND	U	100	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	50
	1,3,5-TRIMETHYLBENZENE	N/A	N/A	N/A	ND	U	1	32.9		20	43.1	J	50	112		100	112		100	ND	U	1	ND	U	1	ND	U	1	82.6		50
	1,3-DICHLOROBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	20	ND	U	50	ND	U	100	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	50
	1,3-DICHLOROPROPANE	N/A	N/A	N/A	ND	U	1	ND	U	20	ND	U	50	ND	U	100	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	50
	1,4-DICHLOROBENZENE	N/A	N/A	75	ND	U	1	ND	U	20	ND	U	50	ND	U	100	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	50
	2,2-DICHLOROPROPANE	N/A	N/A	N/A	ND	U	1	ND	U	20	ND	U	50	ND	U	100	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	50
	2-BUTANONE	N/A	N/A	N/A	ND	U	10	ND	U	200	ND	U	500	1300		1000	1330		1000	ND	U	10	ND	U	10	ND	U	10	325	J	500
	2-CHLOROTOLUENE	N/A	N/A	N/A	ND	U	1	ND	U	20	ND	U	50	ND	U	100	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	50
	2-HEXANONE	N/A	N/A	N/A	ND	U	5	76.2	J	100	ND	U	250	293	J	500	320	J	500	ND	U	5	ND	U	5	ND	U	5	136	J	250
	4-CHLOROTOLUENE	N/A	N/A	N/A	ND	U	1	ND	U	20	ND	U	50	ND	U	100	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	50
	4-METHYL-2-PENTANONE	N/A	N/A	N/A	ND	U	5	83.9	J	100	75.4	J	250	269	J	500	275	J	500	ND	U	5	ND	U	5	ND	U	5	86.4	J	250
	ACETONE	N/A	N/A	N/A	ND	U	10	64.1	J+	200	ND	U	500	3160		1000	3330		1000	ND	U	10	ND	U	10	ND	U	10	965		500
	BENZENE	10	N/A	5	ND	U	1	1470		20	5440		50	7620		100	7860		100	ND	U	1	ND	U	1	ND	U	1	3500		50
	BROMOBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	20	ND	U	50	ND	U	100	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	50
	BROMOCHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	20	ND	U	50	ND	U	100	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	50
	BROMODICHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	20	ND	U	50	ND	U	100	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	50
	BROMOFORM	N/A	N/A	N/A	ND	U	1	ND	U	20	ND	U	50	ND	U	100	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	50
	BROMOMETHANE	N/A	N/A	N/A	ND	U	2	ND	UJ	40	ND	U	100	ND	U	200	ND	U	200	ND	U	2	ND	U	2	ND	U	2	ND	U	100
	CARBON DISULFIDE	N/A	N/A	N/A	ND	U	1	96.7		20	ND	U	50	26.5	J	100	107		100	ND	U	1	ND	U	1	ND	UJ	1	ND	UJ	50
	CARBON TETRACHLORIDE	10	N/A	5	ND	U	1	ND	U	20	ND	U	50	ND	U	100	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	50
	CHLOROBENZENE	N/A	N/A	100	ND	U	1	ND	U	20	ND	U	50	ND	U	100	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	50
	CHLOROETHANE	N/A	N/A	N/A	ND	U	2	ND	U	40	ND	U	100	ND	U	200	ND	U	200	ND	U	2	ND	U	2	ND	U	2	ND	U	100
	CHLOROFORM	100	N/A	100	ND	U	1	ND	U	20	ND	U	50	ND	U	100	ND	U	100	ND	U	1	ND	U	1	ND	U	1	13.4	J	50
	CHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	20	ND	U	50	ND	UJ	100	ND	UJ	100	ND	U	1	ND	U	1	ND	U	1	ND	U	50
	CIS-1,2-DICHLOROETHENE	N/A	N/A	70	ND	U	1	ND	U	20	ND	U	50	ND	U	100	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	50
	CIS-1,3-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	1	ND	U	20	ND	U	50	ND	U	100	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	50
	DIBROMOCHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	20	ND	U	50	ND	U	100	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	50
	DIBROMOMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	20	ND	U	50	ND	U	100	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	50
	DICHLORODIFLUOROMETHANE	N/A	N/A	N/A	ND	U	2	ND	U	40	ND	U	100	ND	U	200	ND	U	200	ND	U	2	ND	U	2	ND	U	2	ND	U	100
	ETHYLBENZENE	750	N/A	700	ND	U	1	130		20	967		50	1690		100	1760		100	ND	U	1	ND	U	1	ND	U	1	886		50
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	1	ND	U	20	ND	U	50	ND	U	100	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	50
	ISOPROPYLBENZENE	N/A	N/A	N/A	ND	U	1	28.6		20	68.2		50	108		100	112		100	5.3		1	ND	U	1	ND	U	1	89.5		50
	METHYL TERT-BUTYL ETHER	N/A	N/A	N/A	ND	U	1	ND	U	20	ND	U	50	ND	U	100	ND	U	100	ND	U	1	ND	U	1	ND	UJ	1	ND	UJ	50
	METHYLENE CHLORIDE	100	N/A	5	ND	U	2	ND	U	40	ND	U	100	ND	U	200	ND	U	200	ND	U	2	ND	U	2	ND	U	2	ND	U	100
	NAPHTHALENE	N/A	N/A	30	ND	U	1	32.9		20	70.8		50	149		100	152		100	ND	U	1	ND	U	1	ND	U	1	63.7		50
	N-BUTYLBENZENE	N/A	N/A	N/A	ND	U	1	11.2	J	20	ND	U	50	ND	U	100	ND	U	100	ND	U	1	ND	U	1	ND	U	1	14.6	J	50
	N-PROPYLBENZENE	N/A	N/A	N/A	ND	U	1	30.7		20	64.9		50	110		100	121		100	0.523	J	1	ND	U	1	ND	U	1	94		50
	P-ISOPROPYLTOLUENE	N/A	N/A	N/A	ND	U	1	8.2	J	20	ND	U	50	ND	U	100	ND	U	100	0.612	J	1	ND	U	1	ND	U	1	ND	U	50
	SEC-BUTYLBENZENE	N/A	N/A	N/A	ND	U	1	12.3	J	20	ND	U	50	ND	U	100	ND	U	100	ND	U	1	ND	U	1	ND	U	1	15.2	J	50
	STYRENE	N/A	N/A	100	ND	U	1	ND	U	20	ND	U	50	ND	U	100	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	50
	TERT-BUTYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	20	ND	U	50	ND	U	100	ND	U	100	2.45		1	ND	U	1	ND	U	1	ND	U	50
	TETRACHLOROETHENE	N/A	N/A	5	ND	U	1	ND	U	20	ND	U	50	ND	U	100	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	50
	TOLUENE	750	N/A	750	ND	U	1	307		20	353		50	13800		100	14100		100	ND	U	1	ND	U	1	ND	U	1	7010		50
	TRANS-1,2-DICHLOROETHENE	N/A	N/A	100	ND	U	1	ND	U	20	ND	U	50	ND	U	100	ND	U	100	ND	U	1	ND	U	1	ND	UJ	1	ND	U	50
	TRANS-1,3-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	1	ND	U	20	ND	U	50	ND	U	100	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	50
	TRICHLOROETHENE	N/A	N/A	5	ND	U	1	ND	U	20	ND	U	50	ND	U	100	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	50
	TRICHLOROFLUOROMETHANE	N/A	N/A	N/A	ND	U	2	ND	U	40	ND	U	100	ND	U	200	ND	U	200	ND	U	2	ND	U	2	ND	U	2	ND	U	100
	VINYL CHLORIDE	1	N/A	1	ND	U	1	ND	U	20	ND	U	50	ND	U	100	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	50
	XYLENES	620	N/A	10000	ND	U	3	233		60	262		150	3280		300	3400		300	ND	U	3	ND	U	3	ND	U	3	2090		150

Table 5-1
Groundwater Analyitcal Results
October - December 2011

			LOCATION CODE	KAFB-1067			KAFB-1068			KAFB-1069			KAFB-10610			KAFB-10610			KAFB-10611			KAFB-10612			KAFB-10613			KAFB-10614		
			SAMPLE NO	GW0261R			GW0262			GW0263			GW0264			GW0265			GW0266			GW0267			GW0358			GW0268		
			SAMPLE DATE	18-Oct-11			8-Dec-11			22-Nov-11			15-Dec-11			15-Dec-11			19-Oct-11			2-Nov-11			6-Oct-11			21-Nov-11		
			SAMPLE PURPOSE	REG			REG			REG			REG			FD			REG			REG			REG			REG		
			SAMPLE DEPTH	484-509 FT			486-511 FT			480-505 FT			483-508 FT			483-508 FT			486-511 FT			481-506 FT			487-512 FT			486-511 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec 20.6.2.3103)[b]	NMED Approved Background[b]	EPA MCLs[c,d]	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
SVOCs (µg/L)	1,1-BIPHENYL	N/A	N/A	N/A	ND	U	4.72	12.4		4.9	ND	U	4.9	ND	U	50	ND	U	49	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.9
Method 8270C	1,2-DIPHENYLHYDRAZINE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	50	ND	U	49	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.9
	2,4,5-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	50	ND	U	49	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.9
	2,4,6-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	50	ND	U	49	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.9
	2,4-DICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	50	ND	U	49	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.9
	2,4-DIMETHYLPHENOL	N/A	N/A	N/A	ND	U	18.9	ND	U	19.6	ND	U	19.6	ND	U	200	ND	U	196	ND	U	18.9	ND	U	18.9	ND	U	19.2	ND	U	19.6
	2,4-DINITROPHENOL	N/A	N/A	N/A	ND	UJ	47.2	ND	U	49	ND	U	49	ND	U	500	ND	U	490	ND	UJ	47.2	ND	U	47.2	ND	UJ	48.1	ND	U	49
	2,4-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	50	ND	U	49	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.9
	2,6-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	50	ND	U	49	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.9
	2-CHLORONAPHTHALENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	UJ	4.9	ND	U	50	ND	U	49	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	UJ	4.9
	2-CHLOROPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	5.31		4.9	ND	U	50	ND	U	49	ND	U	4.72	ND	U	4.72	ND	U	4.81	5.35		4.9
	2-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	50	ND	U	49	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.9
	2-NITROANILINE	N/A	N/A	N/A	ND	U	18.9	ND	U	19.6	ND	U	19.6	ND	U	200	ND	U	196	ND	U	18.9	ND	U	18.9	ND	U	19.2	ND	U	19.6
	2-NITROPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	50	ND	U	49	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.9
	3,3'-DICHLOROBENZIDINE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	50	ND	U	49	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.9
	3-METHYLPHENOL AND 4-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.72	2.57	J	4.9	34.1		24.5	ND	U	50	ND	U	49	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.9
	3-NITROANILINE	N/A	N/A	N/A	ND	U	18.9	ND	U	19.6	ND	U	19.6	ND	U	200	ND	U	196	ND	U	18.9	ND	U	18.9	ND	U	19.2	ND	U	19.6
	4,6-DINITRO-2-METHYLPHENOL	N/A	N/A	N/A	ND	UJ	18.9	ND	U	19.6	ND	U	19.6	ND	U	200	ND	U	196	ND	UJ	18.9	ND	U	18.9	ND	UJ	19.2	ND	U	19.6
	4-BROMOPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	50	ND	U	49	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.9
	4-CHLORO-3-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	50	ND	U	49	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.9
	4-CHLOROANILINE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	50	ND	U	49	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.9
	4-CHLOROPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	50	ND	U	49	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.9
	4-NITROANILINE	N/A	N/A	N/A	ND	U	18.9	ND	U	19.6	ND	U	19.6	ND	U	200	ND	U	196	ND	U	18.9	ND	U	18.9	ND	UJ	19.2	ND	U	19.6
	4-NITROPHENOL	N/A	N/A	N/A	ND	U	18.9	ND	U	19.6	ND	U	19.6	ND	U	200	ND	U	196	ND	U	18.9	ND	U	18.9	ND	U	19.2	ND	U	19.6
	ACETOPHENONE	N/A	N/A	N/A	ND	U	4.72	681		49	180		24.5	5470		500	7070		490	ND	U	4.72	ND	U	4.72	ND	U	4.81	1930		245
	ATRAZINE	N/A	N/A	N/A	ND	UJ	4.72	ND	U	4.9	ND	U	4.9	ND	U	50	ND	U	49	ND	UJ	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.9
	BENZALDEHYDE	N/A	N/A	N/A	ND	UJ	4.72	ND	U	4.9	ND	U	4.9	ND	UJ	50	ND	UJ	49	ND	UJ	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.9
	BENZIDINE	N/A	N/A	N/A	ND	U	47.2	ND	U	49	ND	U	49	ND	U	500	ND	U	490	ND	U	47.2	ND	U	47.2	ND	U	48.1	ND	U	49
	BENZOIC ACID	N/A	N/A	N/A	ND	UJ	47.2	ND	U	49	ND	U	49	ND	U	500	ND	U	490	ND	UJ	47.2	ND	U	47.2	ND	UJ	48.1	ND	U	49
	BIS(2-CHLOROETHOXY)METHANE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	50	ND	U	49	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.9
	BIS(2-CHLOROETHYL)ETHER	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	50	ND	U	49	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.9
	BIS(2-CHLOROISOPROPYL)ETHER	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	UJ	4.9	ND	U	50	ND	U	49	ND	U	4.72	ND	UJ	4.72	ND	U	4.81	ND	UJ	4.9
	BIS(2-ETHYLHEXYL)PHTHALATE	N/A	N/A	N/A	ND	U	4.72	3.28	J	4.9	ND	U	4.9	ND	U	50	ND	U	49	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.9
	BUTYL BENZYL PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	50	ND	U	49	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.9
	CAPROLACTAM	N/A	N/A	N/A	ND	UJ	4.72	ND	U	4.9	ND	UJ	4.9	ND	UJ	50	ND	UJ	49	ND	UJ	4.72	ND	UJ	4.72	ND	UJ	4.81	ND	UJ	4.9
	CARBAZOLE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	50	ND	U	49	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.9
	DIBENZOFURAN	N/A	N/A	N/A	ND	U	4.72	2.93	J	4.9	ND	U	4.9	ND	U	50	ND	U	49	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.9
	DIETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.9	28.1	J	50	29.8	J	49	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.9
	DIMETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	50	ND	U	49	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.9
	DI-N-BUTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	50	ND	U	49	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.9
	DI-N-OCTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	50	ND	U	49	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.9
	HEXACHLOROBENZENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	50	ND	U	49	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.9
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	50	ND	U	49	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.9
	HEXACHLOROCYCLOPENTADIENE	N/A	N/A	N/A	ND	UJ	4.72	ND	U	4.9	ND	U	4.9	ND	U	50	ND	U	49	ND	UJ	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.9
	HEXACHLOROETHANE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	UJ	4.9	ND	U	50	ND	U	49	ND	U	4.72	ND	U	4.72	ND	UJ	4.81	ND	UJ	4.9
	ISOPHORONE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	50	ND	U	49	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.9
	NITROBENZENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	50	ND	U	49	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.9
	N-NITROSO-DI-N-PROPYLAMINE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	50	ND	U	49	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.9
	N-NITROSODIPHENYLAMINE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	50	ND	U	49	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.9
	PENTACHLOROPHENOL	N/A	N/A	N/A	ND	U	18.9	ND	U	19.6	ND	U	19.6	ND	U	200	ND	U	196	ND	U	18.9	ND	U	18.9	ND	U	19.2	ND	U	19.6
	PHENOL	N/A	N/A	5	ND	U	4.72	2.15	J	4.9	ND	U	4.9	ND	U	50	ND	U	49	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.9
PAHs (µg/L)	1-METHYL NAPHTHALENE	N/A	N/A	30	ND	U	4.72	24.7		4.9	20.9		4.9	23.8	J	50	30	J	49	ND	U	4.72	ND	U	4.72	ND	U	4.81	19.1		4.9
Method 8270C	2-METHYLNAPHTHALENE	N/A	N/A	30	ND	U	4.72	25.9		4.9	22.1		4.9	26.9	J	50	36	J	49	ND	U	4.72	ND	U	4.72	ND	U	4.81	19.3		4.9
	ACENAPHTHENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	50	ND	U	49	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.9
	ACENAPHTHYLENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	50	ND	U	49	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.9
	ANTHRACENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	50	ND	U	49	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.9
	BENZO(A)ANTHRACENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	50	ND	U	49	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.9
	BENZO(A)PYRENE	0.7	N/A	0.2	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	50	ND	U	49	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.9
	BENZO(B)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	50	ND	U	49	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.9
	BENZO(GHI)PERYLENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	50	ND	U	49	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.9
	BENZO(K)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	50	ND	U	49	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.9
	CHRYSENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	50	ND	U	49	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.9
	DIBENZO(A,H)ANTHRACENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	50	ND	U	49	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.9
	FLUORANTHENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	50	ND	U	49	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.9
	FLUORENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	50	ND	U	49	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.9
	INDENO(1,2,3-CD)PYRENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	50	ND	U	49	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.9
	NAPHTHALENE	N/A	N/A	30	ND	U	4.72	23.5		4.9	59.8		4.9	78.3		50	103		49	ND	U	4.72	ND	U	4.72	ND	U	4.81	45.4		4.9
	PHENANTHRENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	50	ND	U	49	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.9
	PYRENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	50	ND	U	49	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.9
PAHs (µg/L)	1-METHYL NAPHTHALENE	N/A	N/A	30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Method 8270C	2-METHYLNAPHTHALENE	N/A	N/A	30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Low detection limit	ACENAPHTHENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	ACENAPHTHYLENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	ANTHRACENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(A)ANTHRACENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(A)PYRENE	0.7	N/A	0.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(B)FLUORANTHENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(GHI)PERYLENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(K)FLUORANTHENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	CHRYSENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	DIBENZO(A,H)ANTHRACENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	FLUORANTHENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	FLUORENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	INDENO(1,2,3-CD)PYRENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	NAPHTHALENE	N/A	N/A	30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	PHENANTHRENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	PYRENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table 5-1
Groundwater Analyitcal Results
October - December 2011

			LOCATION CODE	KAFB-1067			KAFB-1068			KAFB-1069			KAFB-10610			KAFB-10610			KAFB-10611			KAFB-10612			KAFB-10613			KAFB-10614		
			SAMPLE NO	GW0261R			GW0262			GW0263			GW0264			GW0265			GW0266			GW0267			GW0358			GW0268		
			SAMPLE DATE	18-Oct-11			8-Dec-11			22-Nov-11			15-Dec-11			15-Dec-11			19-Oct-11			2-Nov-11			6-Oct-11			21-Nov-11		
			SAMPLE PURPOSE	REG			REG			REG			REG			FD			REG			REG			REG			REG		
			SAMPLE DEPTH	484-509 FT			486-511 FT			480-505 FT			483-508 FT			483-508 FT			486-511 FT			481-506 FT			487-512 FT			486-511 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[b]	NMED Approved Background[b]	EPA MCLs[c,d]	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
Metals (mg/L)	CALCIUM	N/A	N/A	N/A	**71.4**		5	**52.6**		5	**120**		5	**84.6**		5	**84.4**		5	**53.9**		5	**104**		5	**57.1**		5	**56.2**		5
Method 6010B	IRON, DISSOLVED	1	N/A	0.3	ND	U	0.1	**0.0728**	J+	0.1	**2.79**		0.1	**0.145**		0.1	**0.139**		0.1	ND	U	0.1	**0.129**		0.1	**0.0411**	J	0.1	**0.433**		0.1
	LEAD	0.05	0.01	0.015	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003
	MAGNESIUM	N/A	N/A	N/A	**10.1**		5	**7.7**		5	**19**		5	**11.8**		5	**11.8**		5	**7.21**		5	**15.3**		5	**8.38**		5	**7.65**		5
	MANGANESE, DISSOLVED	0.2	N/A	0.05	**0.208**		0.015	**1.28**		0.015	**5.44**		0.015	**1.16**		0.015	**1.12**		0.015	**0.0384**		0.015	**0.0444**		0.015	**0.0184**		0.015	**0.784**		0.015
	POTASSIUM	N/A	N/A	N/A	**2.89**	J	5	**2.49**	J	5	**3.98**	J	5	**3.12**	J	5	**3.11**	J	5	**2.53**	J	5	**3.64**	J	5	**2.73**	J	5	**2.6**	J	5
	SODIUM	N/A	N/A	N/A	**28.7**		5	**26.4**		5	**34.5**		5	**30.8**		5	**30.3**		5	**26.9**		5	**40.1**		5	**26.3**		5	**27**		5
Anions (mg/L)	AMMONIA (AS N) (Method 4500NH3BG)	N/A	N/A	N/A	ND	U	0.3	**0.0458**		0.03	ND	U	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3
Method E300.0	CHLORIDE	250	N/A	250	**12.3**	J-	10	**12.3**		0.5	**83.9**		10	**56.3**		0.5	**57.4**		0.5	**10.2**	J-	10	**94.4**		25	**22.9**		10	**15.4**		10
	NITROGEN, NITRATE-NITRITE (Method E353.2)	N/A	4	N/A	ND	U	1.5	ND	U	1.5	ND	U	1.5	ND	U	1.5	ND	U	1.5	ND	U	1.5	**2.71**	J-	1.5	ND	U	1.5	ND	U	1.5
	SULFATE	600	N/A	250	**27.6**		20	**15.2**		2	**4.13**	J	20	**39.2**		2	**38.8**		2	**23.9**		20	**123**		25	**36.4**		20	**26.3**		20
	SULFIDE, TOTAL (Method 4500SC2F)	N/A	N/A	N/A	ND	U	3.39	**1.99**	J	3.39	ND	U	3.7	**1.38**	J	3.45	**1.38**	J	3.45	ND	U	3.45	ND	U	3.7	ND	U	3.45	ND	U	3.45
Alkalinity (mg/L)	ALKALINITY, BICARBONATE (AS CACO3)	N/A	N/A	N/A	**226**		1	**168**		1	**328**		1	**167**		1	**159**		1	**189**		1	**169**		1	**148**		1	**157**		1
Method SM2320B	ALKALINITY, CARBONATE (AS CACO3)	N/A	N/A	N/A	**1.65**		1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
Field Parameters	Temperature (°C)	N/A	N/A	N/A	18.91			18.49			20.00			17.57			17.57			18.69			18.91			19.10			19.05		
	pH (S.U.)	N/A	N/A	N/A	7.23			7.46			6.75			7.35			7.35			7.63			7.25			7.51			7.43		
	Spec Cond (µS/cm2)	N/A	N/A	N/A	524.6			391.8			922.6			621.2			621.2			432.8			820.0			443.6			447.3		
	DO (mg/L)	N/A	N/A	N/A	0.82			0.02			0.06			0.10			0.10			0.80			2.17			3.27			NR-EF		
	ORP (mV)	N/A	N/A	N/A	0			-255			-147			-269			-269			-20			21			-6			-165		
	Turbidity (NTU)	N/A	N/A	N/A	1.06			7.99			4.83			4.95			4.95			0.66			2.64			2.62			1.34		
	Alkalinity (mg/L as CaCO3)	N/A	N/A	N/A	180			192			356			205			205			198			194			160			180		

The NMWQCC standard and EPA MCL for m,p- xylene and o-xylene is for total xylenes.

a EPA analytical methods listed are for the most recent sampling event.

b NMED-HWB Approved Background Concentrations, SNL/Kirtland AFB, Chemical Constituents in Ground Water.

Concentrations exceeding background are shown in *italics*, if applicable.

c EPA National Primary Drinking Water Standards - Maximum Contaminant Levels (MCLs), or if more stringent,

New Mexico Water Quality Control Commission (WQCC) Regulations as denoted by "*".

Concentrations exceeding standards are **BOLD**.

d The WQCC regulation for PAHs of 30 ug/L is a total of the concentrations of naphthalene,

1-methylnaphthalene, and 2-methylnaphthalene.

Shading indicates the analyte was detected.

Bold indicated analyte detected greater than regulatory standard.

J = estimated value, concentration is less than RL but greater than laboratory method detection limit (MDL).

J+ = estimated value, concentration is less than RL but greater than laboratory method detection limit (MDL); biased high.

J- = estimated value, concentration is less than RL but greater than laboratory method detection limit (MDL); biased high.

U = Analyte was not detected. The reported numerical value is at or below the RL.

UJ = Analyte was *tentatively* not detected. The reported numerical value is at or below the RL.

N/A = Not applicable

ND = Not detected

NM = Not measured due to equipment malfunction.

NR = Not recorded or reported due to operational error

NR-EF = Not recorded due to equipment malfunction or failure

R = sample data rejected due to site contamination

Table 5-1
Groundwater Analyitcal Results
October - December 2011

			LOCATION CODE	KAFB-10615			KAFB-10616			KAFB-10617			KAFB-10618			KAFB-10619			KAFB-10620			KAFB-10620			KAFB-10621			KAFB-10622		
			SAMPLE NO	GW0269			GW0270			GW0271			GW0272			GW0273			GW0274			GW0275			GW0276			GW0277		
			SAMPLE DATE	8-Nov-11			17-Oct-11			3-Oct-11			3-Oct-11			13-Dec-11			17-Nov-11			17-Nov-11			16-Dec-11			21-Dec-11		
			SAMPLE PURPOSE	REG			REG			REG			REG			REG			REG			FD			REG			REG		
			SAMPLE DEPTH	486-511 FT			475-500 FT			482-507 FT			476-501 FT			493-518 FT			482-507 FT			482-507 FT			458-483 FT			462-487 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[b]	NMED Approved Background[b]	EPA MCLs[c,d]	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
TPH (µg/L)	DIESEL RANGE ORGANICS	N/A	N/A	N/A	ND	U	100	ND	U	96.2	ND	UJ	200	2220	J-	200	ND	U	99	ND	U	94.3	ND	U	96.2	ND	U	98	107	J-	96.2
Method 8015B	GASOLINE RANGE ORGANICS	N/A	N/A	N/A	ND	U	150	ND	U	150	ND	U	150	742		150	114	J	150	ND	U	150	ND	U	150	52.1	J	150	84.8	J	150
VOCs (µg/L)	1,1,1,2-TETRACHLOROETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
Method 8260B	1,1,1-TRICHLOROETHANE	60	N/A	60	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,1,2,2-TETRACHLOROETHANE	10	N/A	10	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,1,2-TRICHLOROETHANE	100	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,1-DICHLOROETHANE	25	N/A	25	ND	U	1	ND	U	1	ND	UJ	1	ND	UJ	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,1-DICHLOROETHENE	5	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,1-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,2,3-TRICHLOROBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,2,3-TRICHLOROPROPANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2
	1,2,4-TRICHLOROBENZENE	N/A	N/A	70	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,2,4-TRIMETHYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	2.85		1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	2.2		1
	1,2-DIBROMO-3-CHLOROPROPANE	N/A	N/A	0.2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2
	1,2-DIBROMOETHANE	0.1	N/A	0.05	ND	U	1	ND	U	1	0.868	J	1	0.9	J	1	0.342	J	1	ND	U	1	ND	U	1	ND	U	1	0.957	J	1
	1,2-DIBROMOETHANE (Method 8011)	0.1	N/A	0.05	ND	U	0.0284	ND	U	0.028	0.605		0.0285	0.598		0.0286	0.345		0.0282	ND	U	0.0279	ND	U	0.0279	0.15		0.0284	0.898		0.028
	1,2-DICHLOROBENZENE	N/A	N/A	600	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,2-DICHLOROETHANE	10	N/A	5	ND	U	1	ND	U	1	ND	U	1	1.19		1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,2-DICHLOROPROPANE	N/A	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,3,5-TRIMETHYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	2.1		1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	0.926	J	1
	1,3-DICHLOROBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,3-DICHLOROPROPANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,4-DICHLOROBENZENE	N/A	N/A	75	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	2,2-DICHLOROPROPANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	2-BUTANONE	N/A	N/A	N/A	ND	U	10	ND	U	10	ND	U	10	ND	U	10	ND	U	10	ND	U	10	ND	U	10	ND	U	10	ND	U	10
	2-CHLOROTOLUENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	2-HEXANONE	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	5
	4-CHLOROTOLUENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	4-METHYL-2-PENTANONE	N/A	N/A	N/A	ND	U	5	ND	UJ	5	ND	U	5	3.23	J	5	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	5
	ACETONE	N/A	N/A	N/A	ND	U	10	ND	U	10	ND	U	10	6.93	J+	10	ND	U	10	ND	U	10	ND	U	10	3.06	J	10	2.74	J	10
	BENZENE	10	N/A	5	ND	U	1	ND	U	1	ND	U	1	8.59		1	0.321	J	1	ND	U	1	ND	U	1	5.68		1	6.38		1
	BROMOBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	BROMOCHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	BROMODICHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	BROMOFORM	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	BROMOMETHANE	N/A	N/A	N/A	ND	U	2	ND	UJ	2	ND	UJ	2	ND	UJ	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2
	CARBON DISULFIDE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	UJ	1	ND	UJ	1	ND	U	1	ND	U	1
	CARBON TETRACHLORIDE	10	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	CHLOROBENZENE	N/A	N/A	100	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	CHLOROETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	UJ	2	ND	UJ	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2
	CHLOROFORM	100	N/A	100	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	CHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	UJ	1	ND	UJ	1	ND	U	1	ND	U	1	ND	U	1	ND	UJ	1	ND	U	1
	CIS-1,2-DICHLOROETHENE	N/A	N/A	70	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	CIS-1,3-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	DIBROMOCHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	DIBROMOMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	DICHLORODIFLUOROMETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	0.8	J	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2
	ETHYLBENZENE	750	N/A	700	ND	U	1	ND	U	1	ND	U	1	0.804	J	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	3.75		1
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	ISOPROPYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	0.712	J	1	6.36		1	6.66		1	ND	U	1	ND	U	1	5.03		1	2.54		1
	METHYL TERT-BUTYL ETHER	N/A	N/A	N/A	ND	U	1	ND	UJ	1	ND	UJ	1	ND	UJ	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	METHYLENE CHLORIDE	100	N/A	5	ND	U	2	ND	U	2	ND	UJ	2	ND	UJ	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2
	NAPHTHALENE	N/A	N/A	30	ND	U	1	ND	U	1	ND	U	1	0.925	J	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	1.07		1
	N-BUTYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	0.582	J	1	0.252	J	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	N-PROPYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	1.88		1	0.856	J	1	ND	U	1	ND	U	1	ND	U	1	0.666	J	1
	P-ISOPROPYLTOLUENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	0.56	J	1	0.691	J	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	SEC-BUTYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	0.897	J	1	1.01		1	ND	U	1	ND	U	1	ND	U	1	0.343	J	1
	STYRENE	N/A	N/A	100	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	TERT-BUTYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	0.417	J	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	TETRACHLOROETHENE	N/A	N/A	5	ND	U	1	ND	U	1	0.298	J	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	TOLUENE	750	N/A	750	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	27.6		1
	TRANS-1,2-DICHLOROETHENE	N/A	N/A	100	ND	U	1	ND	U	1	ND	UJ	1	ND	UJ	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	TRANS-1,3-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	TRICHLOROETHENE	N/A	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	TRICHLOROFLUOROMETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2
	VINYL CHLORIDE	1	N/A	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	XYLENES	620	N/A	10000	ND	U	3	ND	U	3	ND	U	3	9.28		3	ND	U	3	ND	U	3	ND	U	3	ND	U	3	15.4		3

Table 5-1
Groundwater Analyitcal Results
October - December 2011

			LOCATION CODE	KAFB-10615			KAFB-10616			KAFB-10617			KAFB-10618			KAFB-10619			KAFB-10620			KAFB-10620			KAFB-10621			KAFB-10622		
			SAMPLE NO	GW0269			GW0270			GW0271			GW0272			GW0273			GW0274			GW0275			GW0276			GW0277		
			SAMPLE DATE	8-Nov-11			17-Oct-11			3-Oct-11			3-Oct-11			13-Dec-11			17-Nov-11			17-Nov-11			16-Dec-11			21-Dec-11		
			SAMPLE PURPOSE	REG			REG			REG			REG			REG			REG			FD			REG			REG		
			SAMPLE DEPTH	486-511 FT			475-500 FT			482-507 FT			476-501 FT			493-518 FT			482-507 FT			482-507 FT			458-483 FT			462-487 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec 20.6.2.3103)[b]	NMED Approved Background[b]	EPA MCLs[c,d]	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
SVOCs (µg/L)	1,1-BIPHENYL	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.72
Method 8270C	1,2-DIPHENYLHYDRAZINE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.72
	2,4,5-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	UJ	4.9	ND	UJ	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.72
	2,4,6-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	UJ	4.9	ND	UJ	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.72
	2,4-DICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.72
	2,4-DIMETHYLPHENOL	N/A	N/A	N/A	ND	U	19.2	ND	U	18.9	ND	U	19.6	ND	U	18.9	ND	U	18.9	ND	U	18.9	ND	U	18.9	ND	U	19.6	ND	U	18.9
	2,4-DINITROPHENOL	N/A	N/A	N/A	ND	U	48.1	ND	UJ	47.2	ND	U	49	ND	U	47.2	ND	U	47.2	ND	U	47.2	ND	U	47.2	ND	U	49	ND	U	47.2
	2,4-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.72
	2,6-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.72
	2-CHLORONAPHTHALENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.72
	2-CHLOROPHENOL	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.72
	2-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	UJ	4.9	ND	U	4.72
	2-NITROANILINE	N/A	N/A	N/A	ND	U	19.2	ND	U	18.9	ND	U	19.6	ND	U	18.9	ND	U	18.9	ND	U	18.9	ND	U	18.9	ND	U	19.6	ND	U	18.9
	2-NITROPHENOL	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.72
	3,3'-DICHLOROBENZIDINE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.72
	3-METHYLPHENOL AND 4-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.9	1.28	J	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.72
	3-NITROANILINE	N/A	N/A	N/A	ND	U	19.2	ND	U	18.9	ND	U	19.6	ND	U	18.9	ND	U	18.9	ND	U	18.9	ND	U	18.9	ND	U	19.6	ND	U	18.9
	4,6-DINITRO-2-METHYLPHENOL	N/A	N/A	N/A	ND	U	19.2	ND	UJ	18.9	ND	UJ	19.6	ND	UJ	18.9	ND	U	18.9	ND	U	18.9	ND	U	18.9	ND	U	19.6	ND	U	18.9
	4-BROMOPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.72
	4-CHLORO-3-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.72
	4-CHLOROANILINE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.72
	4-CHLOROPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.72
	4-NITROANILINE	N/A	N/A	N/A	ND	U	19.2	ND	U	18.9	ND	UJ	19.6	ND	UJ	18.9	ND	U	18.9	ND	U	18.9	ND	U	18.9	ND	U	19.6	ND	U	18.9
	4-NITROPHENOL	N/A	N/A	N/A	ND	U	19.2	ND	U	18.9	ND	U	19.6	ND	U	18.9	ND	U	18.9	ND	U	18.9	ND	U	18.9	ND	U	19.6	ND	U	18.9
	ACETOPHENONE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.9	1.34	J	4.72	ND	U	4.72	ND	U	4.72	21	J	4.72	ND	U	4.9	ND	U	4.72
	ATRAZINE	N/A	N/A	N/A	ND	UJ	4.81	ND	U	4.72	ND	UJ	4.9	ND	UJ	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.72
	BENZALDEHYDE	N/A	N/A	N/A	ND	UJ	4.81	ND	U	4.72	ND	UJ	4.9	ND	UJ	4.72	ND	UJ	4.72	ND	UJ	4.72	ND	UJ	4.72	ND	UJ	4.9	ND	UJ	4.72
	BENZIDINE	N/A	N/A	N/A	ND	U	48.1	ND	U	47.2	ND	UJ	49	ND	UJ	47.2	ND	U	47.2	ND	U	47.2	ND	U	47.2	ND	U	49	ND	U	47.2
	BENZOIC ACID	N/A	N/A	N/A	ND	U	48.1	ND	U	47.2	ND	U	49	ND	U	47.2	ND	U	47.2	ND	U	47.2	ND	U	47.2	ND	U	49	ND	U	47.2
	BIS(2-CHLOROETHOXY)METHANE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.72
	BIS(2-CHLOROETHYL)ETHER	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.72
	BIS(2-CHLOROISOPROPYL)ETHER	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.72
	BIS(2-ETHYLHEXYL)PHTHALATE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.9	2.02	J	4.72
	BUTYL BENZYL PHTHALATE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.72
	CAPROLACTAM	N/A	N/A	N/A	ND	UJ	4.81	ND	UJ	4.72	ND	UJ	4.9	ND	UJ	4.72	ND	UJ	4.72	ND	UJ	4.72	ND	UJ	4.72	ND	UJ	4.9	ND	UJ	4.72
	CARBAZOLE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.72
	DIBENZOFURAN	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.72
	DIETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.72
	DIMETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.72
	DI-N-BUTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.72
	DI-N-OCTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.72
	HEXACHLOROBENZENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.72
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	UJ	4.9	ND	UJ	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.72
	HEXACHLOROCYCLOPENTADIENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.72
	HEXACHLOROETHANE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	UJ	4.9	ND	UJ	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.72
	ISOPHORONE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.72
	NITROBENZENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.72
	N-NITROSO-DI-N-PROPYLAMINE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.72
	N-NITROSODIPHENYLAMINE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.72
	PENTACHLOROPHENOL	N/A	N/A	N/A	ND	U	19.2	ND	U	18.9	ND	UJ	19.6	ND	UJ	18.9	ND	U	18.9	ND	U	18.9	ND	U	18.9	ND	U	19.6	ND	U	18.9
	PHENOL	N/A	N/A	5	ND	U	4.81	ND	U	4.72	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.72
PAHs (µg/L)	1-METHYL NAPHTHALENE	N/A	N/A	30	ND	U	4.81	ND	U	4.72	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.72
Method 8270C	2-METHYLNAPHTHALENE	N/A	N/A	30	ND	U	4.81	ND	U	4.72	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.72
	ACENAPHTHENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.72
	ACENAPHTHYLENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.72
	ANTHRACENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.72
	BENZO(A)ANTHRACENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.72
	BENZO(A)PYRENE	0.7	N/A	0.2	ND	U	4.81	ND	U	4.72	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.72
	BENZO(B)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.72
	BENZO(GHI)PERYLENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.72
	BENZO(K)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.72
	CHRYSENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.72
	DIBENZO(A,H)ANTHRACENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.72
	FLUORANTHENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.72
	FLUORENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.72
	INDENO(1,2,3-CD)PYRENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.72
	NAPHTHALENE	N/A	N/A	30	ND	U	4.81	ND	U	4.72	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.72
	PHENANTHRENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.72
	PYRENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.72
PAHs (µg/L)	1-METHYL NAPHTHALENE	N/A	N/A	30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Method 8270C	2-METHYLNAPHTHALENE	N/A	N/A	30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Low detection limit	ACENAPHTHENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	ACENAPHTHYLENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	ANTHRACENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(A)ANTHRACENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(A)PYRENE	0.7	N/A	0.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(B)FLUORANTHENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(GHI)PERYLENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(K)FLUORANTHENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	CHRYSENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	DIBENZO(A,H)ANTHRACENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	FLUORANTHENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	FLUORENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	INDENO(1,2,3-CD)PYRENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	NAPHTHALENE	N/A	N/A	30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	PHENANTHRENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	PYRENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table 5-1
Groundwater Analyitcal Results
October - December 2011

			LOCATION CODE		KAFB-10615			KAFB-10616			KAFB-10617			KAFB-10618			KAFB-10619			KAFB-10620			KAFB-10620			KAFB-10621			KAFB-10622		
			SAMPLE NO		GW0269			GW0270			GW0271			GW0272			GW0273			GW0274			GW0275			GW0276			GW0277		
			SAMPLE DATE		8-Nov-11			17-Oct-11			3-Oct-11			3-Oct-11			13-Dec-11			17-Nov-11			17-Nov-11			16-Dec-11			21-Dec-11		
			SAMPLE PURPOSE		REG			REG			REG			REG			REG			REG			FD			REG			REG		
			SAMPLE DEPTH		486-511 FT			475-500 FT			482-507 FT			476-501 FT			493-518 FT			482-507 FT			482-507 FT			458-483 FT			462-487 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[c]	NMED Approved Background[b]	EPA MCLs[c,d]	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
Metals (mg/L)	CALCIUM	N/A	N/A	N/A	45.5		5	39		5	45.4		5	51.3		5	44.5		5	49.8		5	49.8		5	75.9		5	49.6		5
Method 6010B	IRON, DISSOLVED	1	N/A	0.3	ND	U	0.1	ND	U	0.1	ND	U	0.1	0.192	J+	0.1	ND	U	0.1	ND	U	0.1	ND	U	0.1	ND	U	0.1	ND	U	0.1
	LEAD	0.05	0.01	0.015	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003
	MAGNESIUM	N/A	N/A	N/A	5.66		5	5.78		5	6.05		5	7.41		5	5.88		5	7.08		5	7.14		5	10.4		5	6.42		5
	MANGANESE, DISSOLVED	0.2	N/A	0.05	0.00704	J	0.015	0.0509		0.015	0.0214		0.015	0.897		0.015	0.108		0.015	ND	U	0.015	ND	U	0.015	0.228		0.015	0.126		0.015
	POTASSIUM	N/A	N/A	N/A	2.25	J	5	2.25	J	5	2.42	J	5	2.59	J	5	2.29	J	5	2.42	J	5	2.41	J	5	3.31	J	5	2.45	J	5
	SODIUM	N/A	N/A	N/A	20.5		5	20.9		5	25.7		5	26.5		5	25.6		5	25.3		5	25.4		5	32.5		5	26.1		5
Anions (mg/L)	AMMONIA (AS N) (Method 4500NH3BG)	N/A	N/A	N/A	ND	U	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3
Method E300.0	CHLORIDE	250	N/A	250	20.2	J+	2.5	9.59	J	10	13.3		10	23		10	9.56		0.5	24.2		10	23.5		10	81.7		0.5	14.4		0.5
	NITROGEN, NITRATE-NITRITE (Method E353.2)	N/A	4	N/A	0.267	J	1.5	ND	U	1.5	ND	U	1.5	ND	U	1.5	ND	U	1.5	0.308	J	1.5	0.333	J	1.5	1.06	J	1.5	ND	U	1.5
	SULFATE	600	N/A	250	29		2.5	25		20	33.4	J-	20	37	J-	20	29.7		2	49.5		20	49.4		20	63.9		2	39		2
	SULFIDE, TOTAL (Method 4500SC2F)	N/A	N/A	N/A	ND	U	3.7	ND	U	3.45	ND	U	3.45	ND	U	3.7	0.8	J	3.45	ND	U	3.7	ND	U	3.7	1.1	J	3.45	ND	U	3.7
Alkalinity (mg/L)	ALKALINITY, BICARBONATE (AS CACO3)	N/A	N/A	N/A	105		1	127		1	120		1	126		1	117		1	94.5		1	95.3		1	94.9		1	117		1
Method SM2320B	ALKALINITY, CARBONATE (AS CACO3)	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
Field Parameters	Temperature (°C)	N/A	N/A	N/A	18.17			19.17			18.94			19.08			17.97			17.86			17.86			17.63			18.20		
	pH (S.U.)	N/A	N/A	N/A	7.85			7.68			7.78			7.65			7.58			7.52			7.52			7.57			7.73		
	Spec Cond (µS/cm2)	N/A	N/A	N/A	335.2			310.3			353.1			414.9			325.8			375.9			375.9			608.6			455.3		
	DO (mg/L)	N/A	N/A	N/A	7.81			3.66			1.35			0.03			1.28			3.34			3.34			0.47			0.39		
	ORP (mV)	N/A	N/A	N/A	94			58			-54			-156			-18			141			141			-88			0		
	Turbidity (NTU)	N/A	N/A	N/A	1.96			1.52			0.60			1.25			0.33			1.33			1.33			1.39			0.57		
	Alkalinity (mg/L as CaCO3)	N/A	N/A	N/A	118			136			126			130			128			142			142			116			132		

The NMWQCC standard and EPA MCL for m,p- xylene and o-xylene is for total xylenes.

a EPA analytical methods listed are for the most recent sampling event.

b NMED-HWB Approved Background Concentrations, SNL/Kirtland AFB, Chemical Constituents in Ground Water.

Concentrations exceeding background are shown in italics, if applicable.

c EPA National Primary Drinking Water Standards - Maximum Contaminant Levels (MCLs), or if more stringent,

New Mexico Water Quality Control Commission (WQCC) Regulations as denoted by "*".

Concentrations exceeding standards are **BOLD**.

d The WQCC regulation for PAHs of 30 ug/L is a total of the concentrations of naphthalene, 1-methylnaphthalene, and 2-methylnaphthalene.

Shading indicates the analyte was detected.

Bold indicated analyte detected greater than regulatory standard

J = estimated value, concentration is less than RL but greater than laboratory method detection limit (MDL).

J+ = estimated value, concentration is less than RL but greater than laboratory method detection limit (MDL); biased high.

J- = estimated value, concentration is less than RL but greater than laboratory method detection limit (MDL); biased high.

U = Analyte was not detected. The reported numerical value is at or below the RL.

UJ = Analyte was *tentatively* not detected. The reported numerical value is at or below the RL.

N/A = Not applicable

ND = Not detected

NM = Not measured due to equipment malfunction.

NR = Not recorded or reported due to operational error

NR-EF = Not recorded due to equipment malfunction or failure

R = sample data rejected due to site contamination

Table 5-1
Groundwater Analyitcal Results
October - December 2011

			LOCATION CODE		KAFB-10623			KAFB-10624			KAFB-10625			KAFB-10626			KAFB-10627			KAFB-10628			KAFB-106029			KAFB-106030			KAFB-106030		
			SAMPLE NO		GW0368			GW0278			GW0279			GW0280			GW0298			GW0321			GW0281			GW0282			GW0283		
			SAMPLE DATE		11-Oct-11			11-Oct-11			4-Oct-11			4-Oct-11			17-Oct-11			21-Dec-11			1-Nov-11			31-Oct-11			31-Oct-11		
			SAMPLE PURPOSE		REG			REG			REG			REG			REG			REG			REG			REG			FD		
			SAMPLE DEPTH		473-498 FT			481-506 FT			465-490 FT			466-486 FT			481-501 FT			491-511 FT			450-470 FT			470-485 FT			470-485 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[b]	NMED Approved Background[b]	EPA MCLs[c,s]	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
TPH (µg/L)	DIESEL RANGE ORGANICS	N/A	N/A	N/A	ND	U	98	ND	U	100	ND	UJ	94.3	ND	UJ	94.3	ND	U	96.2	6760	J-	490	ND	U	94.3	ND	U	94.3	ND	U	94.3
Method 8015B	GASOLINE RANGE ORGANICS	N/A	N/A	N/A	ND	U	150	ND	U	150	ND	U	150	ND	U	150	ND	U	150	3870		150	ND	U	150	ND	U	150	ND	U	150
VOCs (µg/L)	1,1,1,2-TETRACHLOROETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	1	ND	U	1	ND	U	1
Method 8260B	1,1,1-TRICHLOROETHANE	60	N/A	60	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	1	ND	U	1	ND	U	1
	1,1,2,2-TETRACHLOROETHANE	10	N/A	10	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	1	ND	U	1	ND	U	1
	1,1,2-TRICHLOROETHANE	100	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	1	ND	U	1	ND	U	1
	1,1-DICHLOROETHANE	25	N/A	25	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	1	ND	U	1	ND	U	1
	1,1-DICHLOROETHENE	5	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	1	ND	U	1	ND	U	1
	1,1-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	1	ND	U	1	ND	U	1
	1,2,3-TRICHLOROBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	1	ND	U	1	ND	U	1
	1,2,3-TRICHLOROPROPANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	10	ND	U	2	ND	U	2	ND	U	2
	1,2,4-TRICHLOROBENZENE	N/A	N/A	70	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	1	ND	U	1	ND	U	1
	1,2,4-TRIMETHYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	45.2		5	ND	U	1	ND	U	1	ND	U	1
	1,2-DIBROMO-3-CHLOROPROPANE	N/A	N/A	0.2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	10	ND	U	2	ND	U	2	ND	U	2
	1,2-DIBROMOETHANE	0.1	N/A	0.05	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	7.65		5	ND	U	1	ND	U	1	ND	U	1
	1,2-DIBROMOETHANE (Method 8011)	0.1	N/A	0.05	ND	U	0.0287	ND	U	0.0284	0.183		0.0284	ND	U	0.0286	ND	U	0.0286	6.42		0.283	ND	U	0.0283	ND	U	0.0284	ND	U	0.0291
	1,2-DICHLOROBENZENE	N/A	N/A	600	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	1	ND	U	1	ND	U	1
	1,2-DICHLOROETHANE	10	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	2.46	J	5	ND	UJ	1	ND	U	1	ND	U	1
	1,2-DICHLOROPROPANE	N/A	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	1	ND	U	1	ND	U	1
	1,3,5-TRIMETHYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	15.4		5	ND	U	1	ND	U	1	ND	U	1
	1,3-DICHLOROBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	1	ND	U	1	ND	U	1
	1,3-DICHLOROPROPANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	1	ND	U	1	ND	U	1
	1,4-DICHLOROBENZENE	N/A	N/A	75	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	1	ND	U	1	ND	U	1
	2,2-DICHLOROPROPANE	N/A	N/A	N/A	ND	UJ	1	ND	UJ	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	UJ	1	ND	U	1	ND	U	1
	2-BUTANONE	N/A	N/A	N/A	ND	U	10	ND	U	10	ND	U	10	ND	U	10	ND	U	10	26.6	J	50	ND	UJ	10	ND	U	10	ND	U	10
	2-CHLOROTOLUENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	1	ND	U	1	ND	U	1
	2-HEXANONE	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	5	9.37	J	25	ND	U	5	ND	UJ	5	ND	UJ	5
	4-CHLOROTOLUENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	1	ND	U	1	ND	U	1
	4-METHYL-2-PENTANONE	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	UJ	5	11.2	J	25	ND	UJ	5	ND	U	5	ND	U	5
	ACETONE	N/A	N/A	N/A	ND	U	10	ND	U	10	ND	U	10	ND	U	10	ND	U	10	81.3		50	ND	U	10	ND	U	10	ND	U	10
	BENZENE	10	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	248		5	ND	U	1	ND	U	1	ND	U	1
	BROMOBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	1	ND	U	1	ND	U	1
	BROMOCHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	1	ND	U	1	ND	U	1
	BROMODICHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	UJ	1	ND	U	1	ND	U	1
	BROMOFORM	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	1	ND	U	1	ND	U	1
	BROMOMETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	UJ	2	ND	U	10	ND	UJ	2	ND	U	2	ND	U	2
	CARBON DISULFIDE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	UJ	1	ND	U	1	ND	U	1
	CARBON TETRACHLORIDE	10	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	1	ND	U	1	ND	U	1
	CHLOROBENZENE	N/A	N/A	100	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	1	ND	U	1	ND	U	1
	CHLOROETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	10	ND	U	2	ND	U	2	ND	U	2
	CHLOROFORM	100	N/A	100	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	1	ND	U	1	ND	U	1
	CHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	0.407	J	1	0.337	J	1	ND	U	1	ND	U	5	ND	UJ	1	ND	U	1	ND	U	1
	CIS-1,2-DICHLOROETHENE	N/A	N/A	70	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	1	ND	U	1	ND	U	1
	CIS-1,3-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	1	ND	U	1	ND	U	1
	DIBROMOCHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	1	ND	U	1	ND	U	1
	DIBROMOMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	1	ND	U	1	ND	U	1
	DICHLORODIFLUOROMETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	10	ND	UJ	2	ND	U	2	ND	U	2
	ETHYLBENZENE	750	N/A	700	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	96.1		5	ND	U	1	ND	U	1	ND	U	1
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	1	ND	U	1	ND	U	1
	ISOPROPYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	23.3		5	ND	U	1	ND	U	1	ND	U	1
	METHYL TERT-BUTYL ETHER	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	UJ	1	ND	U	5	ND	UJ	1	ND	U	1	ND	U	1
	METHYLENE CHLORIDE	100	N/A	5	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	10	ND	U	2	ND	U	2	ND	U	2
	NAPHTHALENE	N/A	N/A	30	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	13.6		5	ND	UJ	1	ND	U	1	ND	U	1
	N-BUTYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	2.92	J	5	ND	U	1	ND	U	1	ND	U	1
	N-PROPYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	17.6		5	ND	U	1	ND	U	1	ND	U	1
	P-ISOPROPYLTOLUENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	2.39	J	5	ND	U	1	ND	U	1	ND	U	1
	SEC-BUTYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	3.88	J	5	ND	U	1	ND	U	1	ND	U	1
	STYRENE	N/A	N/A	100	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	1	ND	U	1	ND	U	1
	TERT-BUTYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	1	ND	U	1	ND	U	1
	TETRACHLOROETHENE	N/A	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	1	ND	U	1	ND	U	1
	TOLUENE	750	N/A	750	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	495		5	0.273	J	1	0.566	J	1	0.602	J	1
	TRANS-1,2-DICHLOROETHENE	N/A	N/A	100	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	1	ND	U	1	ND	U	1
	TRANS-1,3-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	1	ND	U	1	ND	U	1
	TRICHLOROETHENE	N/A	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	1	ND	U	1	ND	U	1
	TRICHLOROFLUOROMETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	10	ND	UJ	2	ND	U	2	ND	U	2
	VINYL CHLORIDE	1	N/A	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	1	ND	U	1	ND	U	1
	XYLENES	620	N/A	10000	ND	U	3	ND	U	3	ND	U	3	ND	U	3	ND	U	3	255		15	ND	U	3	ND	U	3	ND	U	3

Table 5-1
Groundwater Analyitcal Results
October - December 2011

					LOCATION CODE	KAFB-10623			KAFB-10624			KAFB-10625			KAFB-10626			KAFB-10627			KAFB-10628			KAFB-106029			KAFB-106030			KAFB-106030		
					SAMPLE NO	GW0368			GW0278			GW0279			GW0280			GW0298			GW0321			GW0281			GW0282			GW0283		
					SAMPLE DATE	11-Oct-11			11-Oct-11			4-Oct-11			4-Oct-11			17-Oct-11			21-Dec-11			1-Nov-11			31-Oct-11			31-Oct-11		
					SAMPLE PURPOSE	REG			REG			REG			REG			REG			REG			REG			REG			FD		
					SAMPLE DEPTH	473-498 FT			481-506 FT			465-490 FT			466-486 FT			481-501 FT			491-511 FT			450-470 FT			470-485 FT			470-485 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Watar Protection Standards (Sec. 20.6.2.3103)[d]	NMED Approved Background[b]	EPA MCLs[c,d]	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
SVOCs (µg/L)	1,1-DIPHENYL	N/A	N/A	N/A	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	48.1	ND	U	4.85	ND	U	4.72	ND	U	4.81
Method 8270C	1,2-DIPHENYLHYDRAZINE	N/A	N/A	N/A	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	48.1	ND	U	4.85	ND	U	4.72	ND	U	4.81
	2,4,5-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	48.1	ND	U	4.85	ND	U	4.72	ND	U	4.81
	2,4,6-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	48.1	ND	U	4.85	ND	U	4.72	ND	U	4.81
	2,4-DICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	48.1	ND	U	4.85	ND	U	4.72	ND	U	4.81
	2,4-DIMETHYLPHENOL	N/A	N/A	N/A	ND	U	19.2	ND	U	20	ND	U	18.9	ND	U	18.9	ND	U	19.2	ND	U	192	ND	U	19.4	ND	U	18.9	ND	U	19.2
	2,4-DINITROPHENOL	N/A	N/A	N/A	ND	U	48.1	ND	U	50	ND	UJ	47.2	ND	UJ	47.2	ND	U	48.1	ND	U	481	ND	U	48.5	ND	U	47.2	ND	U	48.1
	2,4-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	48.1	ND	U	4.85	ND	U	4.72	ND	U	4.81
	2,6-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	48.1	ND	U	4.85	ND	U	4.72	ND	U	4.81
	2-CHLORONAPHTHALENE	N/A	N/A	N/A	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	48.1	ND	U	4.85	ND	U	4.72	ND	U	4.81
	2-CHLOROPHENOL	N/A	N/A	N/A	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	48.1	ND	U	4.85	ND	U	4.72	ND	U	4.81
	2-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	48.1	ND	U	4.85	ND	U	4.72	ND	U	4.81
	2-NITROANILINE	N/A	N/A	N/A	ND	U	19.2	ND	U	20	ND	U	18.9	ND	U	18.9	ND	U	19.2	ND	U	192	ND	U	19.4	ND	U	18.9	ND	U	19.2
	2-NITROPHENOL	N/A	N/A	N/A	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	48.1	ND	U	4.85	ND	U	4.72	ND	U	4.81
	3,3'-DICHLOROBENZIDINE	N/A	N/A	N/A	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	48.1	ND	U	4.85	ND	U	4.72	ND	U	4.81
	3-METHYLPHENOL AND 4-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	48.1	ND	U	4.85	ND	U	4.72	ND	U	4.81
	3-NITROANILINE	N/A	N/A	N/A	ND	U	19.2	ND	U	20	ND	U	18.9	ND	U	18.9	ND	U	19.2	ND	U	192	ND	U	19.4	ND	U	18.9	ND	U	19.2
	4,6-DINITRO-2-METHYLPHENOL	N/A	N/A	N/A	ND	U	19.2	ND	U	20	ND	UJ	18.9	ND	UJ	18.9	ND	UJ	19.2	ND	U	192	ND	U	19.4	ND	U	18.9	ND	U	19.2
	4-BROMOPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	48.1	ND	U	4.85	ND	U	4.72	ND	U	4.81
	4-CHLORO-3-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	48.1	ND	U	4.85	ND	U	4.72	ND	U	4.81
	4-CHLOROANILINE	N/A	N/A	N/A	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	48.1	ND	U	4.85	ND	U	4.72	ND	U	4.81
	4-CHLOROPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	48.1	ND	U	4.85	ND	U	4.72	ND	U	4.81
	4-NITROANILINE	N/A	N/A	N/A	ND	U	19.2	ND	UJ	20	ND	U	18.9	ND	U	18.9	ND	U	19.2	ND	U	192	ND	U	19.4	ND	U	18.9	ND	U	19.2
	4-NITROPHENOL	N/A	N/A	N/A	ND	U	19.2	ND	U	20	ND	U	18.9	ND	U	18.9	ND	U	19.2	ND	U	192	ND	U	19.4	ND	U	18.9	ND	U	19.2
	ACETOPHENONE	N/A	N/A	N/A	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	4.72	ND	U	4.81	187		48.1	ND	U	4.85	ND	U	4.72	ND	U	4.81
	ATRAZINE	N/A	N/A	N/A	ND	UJ	4.81	ND	UJ	5	ND	UJ	4.72	ND	UJ	4.72	ND	UJ	4.81	ND	U	48.1	ND	U	4.85	ND	U	4.72	ND	U	4.81
	BENZALDEHYDE	N/A	N/A	N/A	ND	UJ	4.81	ND	UJ	5	ND	U	4.72	ND	U	4.72	ND	UJ	4.81	ND	U	48.1	ND	UJ	4.85	ND	UJ	4.72	ND	UJ	4.81
	BENZIDINE	N/A	N/A	N/A	ND	U	48.1	ND	U	50	ND	U	47.2	ND	U	47.2	ND	U	48.1	ND	U	481	ND	U	48.5	ND	U	47.2	ND	U	48.1
	BENZOIC ACID	N/A	N/A	N/A	ND	U	48.1	ND	U	50	ND	UJ	47.2	ND	UJ	47.2	ND	UJ	48.1	ND	U	481	ND	U	48.5	ND	U	47.2	ND	U	48.1
	BIS(2-CHLOROETHOXY)METHANE	N/A	N/A	N/A	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	48.1	ND	U	4.85	ND	U	4.72	ND	U	4.81
	BIS(2-CHLOROETHYL)ETHER	N/A	N/A	N/A	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	48.1	ND	U	4.85	ND	U	4.72	ND	U	4.81
	BIS(2-CHLOROISOPROPYL)ETHER	N/A	N/A	N/A	ND	UJ	4.81	ND	U	5	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	UJ	48.1	ND	UJ	4.85	ND	U	4.72	ND	U	4.81
	BIS(2-ETHYLHEXYL)PHTHALATE	N/A	N/A	N/A	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	48.1	ND	U	4.85	1.22	J	4.72	ND	U	4.81
	BUTYL BENZYL PHTHALATE	N/A	N/A	N/A	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	48.1	ND	U	4.85	ND	U	4.72	ND	U	4.81
	CAPROLACTAM	N/A	N/A	N/A	ND	UJ	4.81	ND	UJ	5	ND	UJ	4.72	ND	UJ	4.72	ND	UJ	4.81	ND	UJ	48.1	ND	UJ	4.85	ND	UJ	4.72	ND	UJ	4.81
	CARBAZOLE	N/A	N/A	N/A	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	48.1	ND	U	4.85	ND	U	4.72	ND	U	4.81
	DIBENZOFURAN	N/A	N/A	N/A	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	48.1	ND	U	4.85	ND	U	4.72	ND	U	4.81
	DIETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	48.1	ND	U	4.85	ND	U	4.72	ND	U	4.81
	DIMETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	48.1	ND	U	4.85	ND	U	4.72	ND	U	4.81
	DI-N-BUTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	48.1	ND	U	4.85	ND	U	4.72	ND	U	4.81
	DI-N-OCTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	48.1	ND	U	4.85	ND	U	4.72	ND	U	4.81
	HEXACHLOROBENZENE	N/A	N/A	N/A	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	48.1	ND	U	4.85	ND	U	4.72	ND	U	4.81
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	4.81	ND	U	5	ND	UJ	4.72	ND	UJ	4.72	ND	U	4.81	ND	U	48.1	ND	U	4.85	ND	U	4.72	ND	U	4.81
	HEXACHLOROCYCLOPENTADIENE	N/A	N/A	N/A	ND	U	4.81	ND	U	5	ND	UJ	4.72	ND	UJ	4.72	ND	UJ	4.81	ND	U	48.1	ND	U	4.85	ND	U	4.72	ND	U	4.81
	HEXACHLOROETHANE	N/A	N/A	N/A	ND	U	4.81	ND	U	5	ND	UJ	4.72	ND	UJ	4.72	ND	U	4.81	ND	U	48.1	ND	U	4.85	ND	U	4.72	ND	U	4.81
	ISOPHORONE	N/A	N/A	N/A	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	48.1	ND	U	4.85	ND	U	4.72	ND	U	4.81
	NITROBENZENE	N/A	N/A	N/A	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	48.1	ND	U	4.85	ND	U	4.72	ND	U	4.81
	N-NITROSO-DI-N-PROPYLAMINE	N/A	N/A	N/A	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	48.1	ND	U	4.85	ND	U	4.72	ND	U	4.81
	N-NITROSODIPHENYLAMINE	N/A	N/A	N/A	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	48.1	ND	U	4.85	ND	U	4.72	ND	U	4.81
	PENTACHLOROPHENOL	N/A	N/A	N/A	ND	UJ	19.2	ND	U	20	ND	U	18.9	ND	U	18.9	ND	U	19.2	ND	U	192	ND	U	19.4	ND	U	18.9	ND	U	19.2
	PHENOL	N/A	N/A	5	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	48.1	ND	U	4.85	ND	U	4.72	ND	U	4.81
PAHs (µg/L)	1-METHYL NAPHTHALENE	N/A	N/A	30	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	48.1	ND	U	4.85	ND	U	4.72	ND	U	4.81
Method 8270C	2-METHYLNAPHTHALENE	N/A	N/A	30	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	48.1	ND	U	4.85	ND	U	4.72	ND	U	4.81
	ACENAPHTHENE	N/A	N/A	N/A	ND	U	4.81	ND	UJ	5	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	48.1	ND	U	4.85	ND	U	4.72	ND	U	4.81
	ACENAPHTHYLENE	N/A	N/A	N/A	ND	U	4.81	ND	UJ	5	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	48.1	ND	U	4.85	ND	U	4.72	ND	U	4.81
	ANTHRACENE	N/A	N/A	N/A	ND	U	4.81	ND	UJ	5	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	48.1	ND	U	4.85	ND	U	4.72	ND	U	4.81
	BENZO(A)ANTHRACENE	N/A	N/A	N/A	ND	U	4.81	ND	UJ	5	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	48.1	ND	U	4.85	ND	U	4.72	ND	U	4.81
	BENZO(A)PYRENE	0.7	N/A	0.2	ND	U	4.81	ND	UJ	5	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	48.1	ND	U	4.85	ND	U	4.72	ND	U	4.81
	BENZO(B)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.81	ND	UJ	5	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	48.1	ND	U	4.85	ND	U	4.72	ND	U	4.81
	BENZO(GHI)PERYLENE	N/A	N/A	N/A	ND	U	4.81	ND	UJ	5	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	48.1	ND	U	4.85	ND	U	4.72	ND	U	4.81
	BENZO(K)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.81	ND	UJ	5	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	48.1	ND	U	4.85	ND	U	4.72	ND	U	4.81
	CHRYSENE	N/A	N/A	N/A	ND	U	4.81	ND	UJ	5	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	48.1	ND	U	4.85	ND	U	4.72	ND	U	4.81
	DIBENZO(A,H)ANTHRACENE	N/A	N/A	N/A	ND	U	4.81	ND	UJ	5	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	48.1	ND	U	4.85	ND	U	4.72	ND	U	4.81
	FLUORANTHENE	N/A	N/A	N/A	ND	UJ	4.81	ND	UJ	5	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	48.1	ND	U	4.85	ND	U	4.72	ND	U	4.81
	FLUORENE	N/A	N/A	N/A	ND	U	4.81	ND	UJ	5	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	48.1	ND	U	4.85	ND	U	4.72	ND	U	4.81
	INDENO(1,2,3-CD)PYRENE	N/A	N/A	N/A	ND	U	4.81	ND	UJ	5	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	48.1	ND	U	4.85	ND	U	4.72	ND	U	4.81
	NAPHTHALENE	N/A	N/A	30	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	48.1	ND	U	4.85	ND	U	4.72	ND	U	4.81
	PHENANTHRENE	N/A	N/A	N/A	ND	U	4.81	ND	UJ	5	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	48.1	ND	U	4.85	ND	U	4.72	ND	U	4.81
	PYRENE	N/A	N/A	N/A	ND	U	4.81	ND	UJ	5	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	48.1	ND	U	4.85	ND	U	4.72	ND	U	4.81
PAHs (µg/L)	1-METHYL NAPHTHALENE	N/A	N/A	30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Method 8270C	2-METHYLNAPHTHALENE	N/A	N/A	30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Low detection limit	ACENAPHTHENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	ACENAPHTHYLENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	ANTHRACENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(A)ANTHRACENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(A)PYRENE	0.7	N/A	0.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(B)FLUORANTHENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(GHI)PERYLENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(K)FLUORANTHENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	CHRYSENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	DIBENZO(A,H)ANTHRACENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	FLUORANTHENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	FLUORENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	INDENO(1,2,3-CD)PYRENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	NAPHTHALENE	N/A	N/A	30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	PHENANTHRENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	PYRENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table 5-1
Groundwater Analyitcal Results
October - December 2011

			LOCATION CODE		KAFB-10623			KAFB-10624			KAFB-10625			KAFB-10626			KAFB-10627			KAFB-10628			KAFB-106029			KAFB-106030			KAFB-106030		
			SAMPLE NO		GW0368			GW0278			GW0279			GW0280			GW0298			GW0321			GW0281			GW0282			GW0283		
			SAMPLE DATE		11-Oct-11			11-Oct-11			4-Oct-11			4-Oct-11			17-Oct-11			21-Dec-11			1-Nov-11			31-Oct-11			31-Oct-11		
			SAMPLE PURPOSE		REG			REG			REG			REG			REG			REG			REG			REG			FD		
			SAMPLE DEPTH		473-498 FT			481-506 FT			465-490 FT			466-486 FT			481-501 FT			491-511 FT			450-470 FT			470-485 FT			470-485 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[b]	NMED Approved Background[b]	EPA MCLs[c,d]	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
Metals (mg/L)	CALCIUM	N/A	N/A	N/A	36		5	74.8		5	45.6		5	68.9		5	38.8		5	67.7		5	76.7		5	61.1		5	59.4		5
Method 6010B	IRON, DISSOLVED	1	N/A	0.3	ND	U	0.1	ND	U	0.1	ND	U	0.1	ND	U	0.1	ND	U	0.1	0.328		0.1	0.0413	J	0.1	ND	U	0.1	ND	U	0.1
	LEAD	0.05	0.01	0.015	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003
	MAGNESIUM	N/A	N/A	N/A	4.71	J	5	13.2		5	6.57		5	8.06		5	5.67		5	9.62		5	10.5		5	8.14		5	7.99		5
	MANGANESE, DISSOLVED	0.2	N/A	0.05	0.00864	J	0.015	0.329		0.015	ND	U	0.015	ND	U	0.015	ND	U	0.015	0.872		0.015	0.00395	J	0.015	ND	U	0.015	ND	U	0.015
	POTASSIUM	N/A	N/A	N/A	2.07	J	5	3.1	J	5	2.5	J	5	3.29	J	5	2.22	J	5	2.81	J	5	3.33	J	5	2.83	J	5	2.79	J	5
	SODIUM	N/A	N/A	N/A	25.5		5	30.5		5	26.6		5	29.2		5	21.9		5	30.7		5	33.6		5	26.5		5	25.8		5
Anions (mg/L)	AMMONIA (AS N) (Method 4500NH3BG)	N/A	N/A	N/A	ND	U	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3
Method E300.0	CHLORIDE	250	N/A	250	12.6		10	30.5		10	26.9		10	72		10	9.11	J	10	41.4		0.5	92.5		25	56.1		10	56.7		10
	NITROGEN, NITRATE-NITRITE (Method E353.2)	N/A	4	N/A	ND	U	1.5	ND	U	1.5	0.48	J	1.5	3.54		1.5	ND	U	1.5	ND	U	1.5	2.12		1.5	1.68		1.5	1.69		1.5
	SULFATE	600	N/A	250	27.9		20	47.1		20	56		20	61.6		20	24.9		20	35.9		2	86		25	52.2		20	52.5		20
	SULFIDE, TOTAL (Method 4500SC2F)	N/A	N/A	N/A	ND	U	3.45	ND	U	3.45	0.741	J	3.7	ND	U	3.39	1.35	J	3.39	1.1	J	3.7	ND	U	3.45	ND	U	3.7	ND	U	3.7
Alkalinity (mg/L)	ALKALINITY, BICARBONATE (AS CACO3)	N/A	N/A	N/A	107		1	212		1	101		1	84.9		1	116		1	141		1	82		1	89.4		1	89.4		1
Method SM2320B	ALKALINITY, CARBONATE (AS CACO3)	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
Field Parameters	Temperature (°C)	N/A	N/A	N/A	18.82			19.47			18.84			18.84			19.27			17.29			19.09			18.92			18.92		
	pH (S.U.)	N/A	N/A	N/A	7.94			7.26			7.81			7.73			7.84			7.55			7.60			7.67			7.67		
	Spec Cond (µS/cm2)	N/A	N/A	N/A	311.6			595.5			407.0			568.8			330.4			617.5			605.7			502.3			502.3		
	DO (mg/L)	N/A	N/A	N/A	10.66			0.86			7.50			8.56			7.41			0.00			6.23			6.51			6.51		
	ORP (mV)	N/A	N/A	N/A	156			26			109			100			122			0			133			139			139		
	Turbidity (NTU)	N/A	N/A	N/A	0.68			0.77			1.46			0.87			0.96			2.14			1.00			3.00			3.00		
	Alkalinity (mg/L as CaCO3)	N/A	N/A	N/A	124			208			112			99			128			148			92			121			121		

The NMWQCC standard and EPA MCL for m,p- xylene and o-xylene is for total xylenes.
a EPA analytical methods listed are for the most recent sampling event.
b NMED-HWB Approved Background Concentrations, SNL/Kirtland AFB, Chemical Constituents in Ground Water.
Concentrations exceeding background are shown in italics, if applicable.
c EPA National Primary Drinking Water Standards - Maximum Contaminant Levels (MCLs), or if more stringent,
New Mexico Water Quality Control Commission (WQCC) Regulations as denoted by "*"
Concentrations exceeding standards are **BOLD**
d The WQCC regulation for PAHs of 30 ug/L is a total of the concentrations of naphthalene,
1-methylnaphthalene, and 2-methylnaphthalene.
Shading indicates the analyte was detected.
Bold indicated analyte detected greater than regulatory standard
J = estimated value, concentration is less than RL but greater than laboratory method detection limit (MDL).
J+ = estimated value, concentration is less than RL but greater than laboratory method detection limit (MDL); biased high.
J- = estimated value, concentration is less than RL but greater than laboratory method detection limit (MDL); biased high.
U = Analyte was not detected. The reported numerical value is at or below the RL .
UJ = Analyte was *tentatively* not detected. The reported numerical value is at or below the RL.
N/A = Not applicable
ND = Not detected
NM = Not measured due to equipment malfunction.
NR = Not recorded or reported due to operational error
NR-EF = Not recorded due to equipment malfunction or failure
R = sample data rejected due to site contamination

Table 5-1
Groundwater Analyitcal Results
October - December 2011

			LOCATION CODE		KAFB-106031			KAFB-106032			KAFB-106033			KAFB-106034			KAFB-106035			KAFB-106036			KAFB-106037			KAFB-106038			KAFB-106039		
			SAMPLE NO		GW0284			GW0285			GW0286			GW0287			GW0288			GW0289			GW0290			GW0291			GW0292		
			SAMPLE DATE		1-Nov-11			24-Oct-11			24-Oct-11			25-Oct-11			15-Nov-11			15-Nov-11			15-Nov-11			7-Nov-11			12-Oct-11		
			SAMPLE PURPOSE		REG			REG			REG			REG			REG			REG			REG			REG			REG		
			SAMPLE DEPTH		496-509 FT			456-476 FT			477-492 FT			502-517 FT			452-482 FT			482-497 FT			507-522 FT			478-508 FT			508-523 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec 20.6.2.3103)[b]	NMED Approved Background[c]	EPA MCLs[c,d]	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
TPH (µg/L)	DIESEL RANGE ORGANICS	N/A	N/A	N/A	ND	U	94.3	191		98	182		100	195		98	ND	U	96.2	ND	U	96.2	ND	U	96.2	ND	U	93.5	ND	U	100
Method 8015B	GASOLINE RANGE ORGANICS	N/A	N/A	N/A	ND	U	150	ND	U	150	ND	U	150	ND	U	150	ND	U	150	ND	U	150	ND	U	150	ND	U	150	ND	U	150
VOCs (µg/L)	1,1,1,2-TETRACHLOROETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
Method 8260B	1,1,1-TRICHLOROETHANE	60	N/A	60	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,1,2,2-TETRACHLOROETHANE	10	N/A	10	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,1,2-TRICHLOROETHANE	100	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,1-DICHLOROETHANE	25	N/A	25	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,1-DICHLOROETHENE	5	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,1-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,2,3-TRICHLOROBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,2,3-TRICHLOROPROPANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2
	1,2,4-TRICHLOROBENZENE	N/A	N/A	70	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,2,4-TRIMETHYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,2-DIBROMO-3-CHLOROPROPANE	N/A	N/A	0.2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2
	1,2-DIBROMOETHANE	0.1	N/A	0.05	ND	U	1	ND	U	1	ND	U	1	ND	U	1	0.48	J	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,2-DIBROMOETHANE (Method 8011)	0.1	N/A	0.05	ND	U	0.0284	ND	U	0.0283	ND	U	0.0287	ND	U	0.0286	0.43		0.0277	0.277		0.0284	0.241		0.0279	ND	U	0.0286	ND	U	0.0284
	1,2-DICHLOROBENZENE	N/A	N/A	600	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,2-DICHLOROETHANE	10	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,2-DICHLOROPROPANE	N/A	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,3,5-TRIMETHYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,3-DICHLOROBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,3-DICHLOROPROPANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,4-DICHLOROBENZENE	N/A	N/A	75	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	2,2-DICHLOROPROPANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	UJ	1
	2-BUTANONE	N/A	N/A	N/A	ND	U	10	ND	U	10	ND	U	10	ND	U	10	ND	U	10	ND	U	10	ND	U	10	ND	U	10	ND	UJ	10
	2-CHLOROTOLUENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	2-HEXANONE	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	5
	4-CHLOROTOLUENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	4-METHYL-2-PENTANONE	N/A	N/A	N/A	ND	U	5	ND	UJ	5	ND	UJ	5	ND	UJ	5	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	UJ	5
	ACETONE	N/A	N/A	N/A	ND	U	10	ND	U	10	ND	U	10	ND	U	10	ND	U	10	ND	U	10	ND	U	10	ND	U	10	ND	UJ	10
	BENZENE	10	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	BROMOBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	BROMOCHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	BROMODICHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	UJ	1	ND	UJ	1	ND	UJ	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	BROMOFORM	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	BROMOMETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	UJ	2
	CARBON DISULFIDE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	UJ	1
	CARBON TETRACHLORIDE	10	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	CHLOROBENZENE	N/A	N/A	100	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	CHLOROETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2
	CHLOROFORM	100	N/A	100	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	CHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	CIS-1,2-DICHLOROETHENE	N/A	N/A	70	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	CIS-1,3-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	DIBROMOCHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	DIBROMOMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	DICHLORODIFLUOROMETHANE	N/A	N/A	N/A	ND	U	2	ND	UJ	2	ND	UJ	2	ND	UJ	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	UJ	2
	ETHYLBENZENE	750	N/A	700	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	UJ	1	ND	UJ	1	ND	UJ	1	ND	U	1	ND	U	1
	ISOPROPYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	METHYL TERT-BUTYL ETHER	N/A	N/A	N/A	ND	U	1	ND	UJ	1	ND	UJ	1	ND	UJ	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	METHYLENE CHLORIDE	100	N/A	5	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2
	NAPHTHALENE	N/A	N/A	30	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	N-BUTYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	N-PROPYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	P-ISOPROPYLTOLUENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	SEC-BUTYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	STYRENE	N/A	N/A	100	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	TERT-BUTYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	TETRACHLOROETHENE	N/A	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	TOLUENE	750	N/A	750	0.304	J	1	0.359	J	1	0.298	J	1	0.381	J	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	0.717	J	1
	TRANS-1,2-DICHLOROETHENE	N/A	N/A	100	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	TRANS-1,3-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	TRICHLOROETHENE	N/A	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	TRICHLOROFLUOROMETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2
	VINYL CHLORIDE	1	N/A	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	XYLENES	620	N/A	10000	ND	U	3	ND	U	3	ND	U	3	ND	U	3	ND	U	3	ND	U	3	ND	U	3	ND	U	3	ND	U	3

Table 5-1
Groundwater Analyitcal Results
October - December 2011

			LOCATION CODE	KAFB-106031			KAFB-106032			KAFB-106033			KAFB-106034			KAFB-106035			KAFB-106036			KAFB-106037			KAFB-106038			KAFB-106039		
			SAMPLE NO	GW0284			GW0285			GW0286			GW0287			GW0288			GW0289			GW0290			GW0291			GW0292		
			SAMPLE DATE	1-Nov-11			24-Oct-11			24-Oct-11			25-Oct-11			15-Nov-11			15-Nov-11			15-Nov-11			7-Nov-11			12-Oct-11		
			SAMPLE PURPOSE	REG			REG			REG			REG			REG			REG			REG			REG			REG		
			SAMPLE DEPTH	496-509 FT			456-476 FT			477-492 FT			502-517 FT			452-482 FT			482-497 FT			507-522 FT			478-508 FT			508-523 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec 20.6.2.3103)[b]	NMED Approved Background[c]	EPA MCLs[c,d]	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
SVOCs (µg/L)	1,1-BIPHENYL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.72	ND	U	4.9
Method 8270C	1,2-DIPHENYLHYDRAZINE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.72	ND	U	4.9
	2,4,5-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	UJ	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	UJ	4.72	ND	U	4.9
	2,4,6-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	UJ	4.9	ND	UJ	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	UJ	4.72	ND	U	4.9
	2,4-DICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	UJ	4.9	ND	UJ	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	UJ	4.72	ND	U	4.9
	2,4-DIMETHYLPHENOL	N/A	N/A	N/A	ND	U	18.9	ND	UJ	19.6	ND	UJ	19.2	ND	U	19.2	ND	U	19.2	ND	U	19.2	ND	U	19.6	ND	UJ	18.9	ND	U	19.6
	2,4-DINITROPHENOL	N/A	N/A	N/A	ND	U	47.2	ND	UJ	49	ND	UJ	48.1	ND	UJ	48.1	ND	U	48.1	ND	U	48.1	ND	U	49	ND	UJ	47.2	ND	UJ	49
	2,4-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.72	ND	U	4.9
	2,6-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.72	ND	U	4.9
	2-CHLORONAPHTHALENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	UJ	4.81	ND	UJ	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.72	ND	U	4.9
	2-CHLOROPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	UJ	4.9	ND	UJ	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	UJ	4.72	ND	U	4.9
	2-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	UJ	4.9	ND	UJ	4.81	ND	U	4.81	ND	UJ	4.81	ND	UJ	4.81	ND	UJ	4.9	ND	UJ	4.72	ND	U	4.9
	2-NITROANILINE	N/A	N/A	N/A	ND	U	18.9	ND	U	19.6	ND	U	19.2	ND	U	19.2	ND	U	19.2	ND	U	19.2	ND	U	19.6	ND	U	18.9	ND	U	19.6
	2-NITROPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	UJ	4.9	ND	UJ	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	UJ	4.72	ND	U	4.9
	3,3'-DICHLOROBENZIDINE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.72	ND	U	4.9
	3-METHYLPHENOL AND 4-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	UJ	4.9	ND	UJ	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	UJ	4.72	ND	U	4.9
	3-NITROANILINE	N/A	N/A	N/A	ND	U	18.9	ND	U	19.6	ND	U	19.2	ND	U	19.2	ND	U	19.2	ND	U	19.2	ND	U	19.6	ND	U	18.9	ND	U	19.6
	4,6-DINITRO-2-METHYLPHENOL	N/A	N/A	N/A	ND	U	18.9	ND	UJ	19.6	ND	UJ	19.2	ND	U	19.2	ND	U	19.2	ND	U	19.2	ND	U	19.6	ND	UJ	18.9	ND	UJ	19.6
	4-BROMOPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.72	ND	U	4.9
	4-CHLORO-3-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	UJ	4.9	ND	UJ	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	UJ	4.72	ND	U	4.9
	4-CHLOROANILINE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	UJ	4.81	ND	UJ	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.72	ND	U	4.9
	4-CHLOROPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.72	ND	U	4.9
	4-NITROANILINE	N/A	N/A	N/A	ND	U	18.9	ND	U	19.6	ND	U	19.2	ND	U	19.2	ND	U	19.2	ND	U	19.2	ND	U	19.6	ND	U	18.9	ND	U	19.6
	4-NITROPHENOL	N/A	N/A	N/A	ND	U	18.9	ND	UJ	19.6	ND	UJ	19.2	ND	U	19.2	ND	U	19.2	ND	U	19.2	ND	U	19.6	ND	UJ	18.9	ND	U	19.6
	ACETOPHENONE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.72	ND	U	4.9
	ATRAZINE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.72	ND	UJ	4.9
	BENZALDEHYDE	N/A	N/A	N/A	ND	UJ	4.72	ND	U	4.9	ND	UJ	4.81	ND	UJ	4.81	ND	UJ	4.81	ND	UJ	4.81	ND	UJ	4.9	ND	UJ	4.72	ND	UJ	4.9
	BENZIDINE	N/A	N/A	N/A	ND	U	47.2	ND	U	49	ND	U	48.1	ND	U	48.1	ND	U	48.1	ND	U	48.1	ND	U	49	ND	U	47.2	ND	U	49
	BENZOIC ACID	N/A	N/A	N/A	ND	U	47.2	ND	UJ	49	ND	UJ	48.1	ND	UJ	48.1	ND	U	48.1	ND	U	48.1	ND	U	49	ND	UJ	47.2	ND	UJ	49
	BIS(2-CHLOROETHOXY)METHANE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	UJ	4.81	ND	UJ	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.72	ND	U	4.9
	BIS(2-CHLOROETHYL)ETHER	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	UJ	4.81	ND	UJ	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.72	ND	U	4.9
	BIS(2-CHLOROISOPROPYL)ETHER	N/A	N/A	N/A	ND	U	4.72	ND	UJ	4.9	ND	UJ	4.81	ND	UJ	4.81	ND	UJ	4.81	ND	UJ	4.81	ND	UJ	4.9	ND	U	4.72	ND	U	4.9
	BIS(2-ETHYLHEXYL)PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.72	ND	U	4.9
	BUTYL BENZYL PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.72	ND	U	4.9
	CAPROLACTAM	N/A	N/A	N/A	ND	UJ	4.72	ND	UJ	4.9	ND	UJ	4.81	ND	UJ	4.81	ND	UJ	4.81	ND	UJ	4.81	ND	UJ	4.9	ND	UJ	4.72	ND	UJ	4.9
	CARBAZOLE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.72	ND	U	4.9
	DIBENZOFURAN	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.72	ND	U	4.9
	DIETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	UJ	4.81	ND	UJ	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.72	ND	U	4.9
	DIMETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.72	ND	U	4.9
	DI-N-BUTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	UJ	4.81	ND	UJ	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.72	ND	U	4.9
	DI-N-OCTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.72	ND	U	4.9
	HEXACHLOROBENZENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.72	ND	U	4.9
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.72	ND	U	4.9
	HEXACHLOROCYCLOPENTADIENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.72	ND	U	4.9
	HEXACHLOROETHANE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.72	ND	U	4.9
	ISOPHORONE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.72	ND	U	4.9
	NITROBENZENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.72	ND	U	4.9
	N-NITROSO-DI-N-PROPYLAMINE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.72	ND	U	4.9
	N-NITROSODIPHENYLAMINE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.72	ND	U	4.9
	PENTACHLOROPHENOL	N/A	N/A	N/A	ND	U	18.9	ND	UJ	19.6	ND	UJ	19.2	ND	U	19.2	ND	U	19.2	ND	U	19.2	ND	U	19.6	ND	UJ	18.9	ND	U	19.6
	PHENOL	N/A	N/A	5	ND	U	4.72	ND	UJ	4.9	ND	UJ	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	UJ	4.72	ND	U	4.9
PAHs (µg/L)	1-METHYL NAPHTHALENE	N/A	N/A	30	ND	U	4.72	ND	U	4.9	ND	UJ	4.81	ND	UJ	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.72	ND	U	4.9
Method 8270C	2-METHYLNAPHTHALENE	N/A	N/A	30	ND	U	4.72	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.72	ND	U	4.9
	ACENAPHTHENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.72	ND	U	4.9
	ACENAPHTHYLENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.72	ND	U	4.9
	ANTHRACENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.72	ND	U	4.9
	BENZO(A)ANTHRACENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.72	ND	U	4.9
	BENZO(A)PYRENE	0.7	N/A	0.2	ND	U	4.72	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.72	ND	U	4.9
	BENZO(B)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.72	ND	U	4.9
	BENZO(GHI)PERYLENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.72	ND	U	4.9
	BENZO(K)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.72	ND	U	4.9
	CHRYSENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.72	ND	U	4.9
	DIBENZO(A,H)ANTHRACENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.72	ND	U	4.9
	FLUORANTHENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	UJ	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.72	ND	U	4.9
	FLUORENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.72	ND	U	4.9
	INDENO(1,2,3-CD)PYRENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.72	ND	U	4.9
	NAPHTHALENE	N/A	N/A	30	ND	U	4.72	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.72	ND	U	4.9
	PHENANTHRENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.72	ND	U	4.9
	PYRENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.72	ND	U	4.9
PAHs (µg/L)	1-METHYL NAPHTHALENE	N/A	N/A	30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Method 8270C	2-METHYLNAPHTHALENE	N/A	N/A	30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Low detection limit	ACENAPHTHENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	ACENAPHTHYLENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	ANTHRACENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(A)ANTHRACENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(A)PYRENE	0.7	N/A	0.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(B)FLUORANTHENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(GHI)PERYLENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(K)FLUORANTHENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	CHRYSENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	DIBENZO(A,H)ANTHRACENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	FLUORANTHENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	FLUORENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	INDENO(1,2,3-CD)PYRENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	NAPHTHALENE	N/A	N/A	30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	PHENANTHRENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	PYRENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table 5-1
Groundwater Analyitcal Results
October - December 2011

			LOCATION CODE	KAFB-106031			KAFB-106032			KAFB-106033			KAFB-106034			KAFB-106035			KAFB-106036			KAFB-106037			KAFB-106038			KAFB-106039		
			SAMPLE NO	GW0284			GW0285			GW0286			GW0287			GW0288			GW0289			GW0290			GW0291			GW0292		
			SAMPLE DATE	1-Nov-11			24-Oct-11			24-Oct-11			25-Oct-11			15-Nov-11			15-Nov-11			15-Nov-11			7-Nov-11			12-Oct-11		
			SAMPLE PURPOSE	REG			REG			REG			REG			REG			REG			REG			REG			REG		
			SAMPLE DEPTH	496-509 FT			456-476 FT			477-492 FT			502-517 FT			452-482 FT			482-497 FT			507-522 FT			478-508 FT			508-523 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[c]	NMED Approved Background[b]	EPA MCLs[c,d]	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
Metals (mg/L)	CALCIUM	N/A	N/A	N/A	79.2		5	48.1		5	98.7		5	95.6		5	54.5		5	66.6		5	44.8		5	39.4		5	39.2		5
Method 6010B	IRON, DISSOLVED	1	N/A	0.3	ND	U	0.1	ND	U	0.1	ND	U	0.1	ND	U	0.1	ND	U	0.1	ND	U	0.1	ND	U	0.1	ND	U	0.1	ND	U	0.1
	LEAD	0.05	0.01	0.015	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003
	MAGNESIUM	N/A	N/A	N/A	10.5		5	7.12		5	14.1		5	13.1		5	7.23		5	8.99		5	6.01		5	5.29		5	5.12		5
	MANGANESE, DISSOLVED	0.2	N/A	0.05	ND	U	0.015	0.00525	J	0.015	0.00723	J	0.015	0.00739	J	0.015	0.0364		0.015	0.00815	J	0.015	ND	U	0.015	0.0413		0.015	0.0612		0.015
	POTASSIUM	N/A	N/A	N/A	3.29	J	5	2.56	J	5	3.49	J	5	3.48	J	5	2.56	J	5	2.84	J	5	2.33	J	5	2.38	J	5	2.5	J	5
	SODIUM	N/A	N/A	N/A	30.3		5	22.7		5	33.3		5	32.2		5	29		5	31.2		5	25.1		5	26.5		5	27.2		5
Anions (mg/L)	AMMONIA (AS N) (Method 4500NH3BG)	N/A	N/A	N/A	0.234	J	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3
Method E300.0	CHLORIDE	250	N/A	250	75.1		25	22.8		1	74.2		5	77.1		5	31		0.5	44.6		0.5	18.7		0.5	12	J+	2.5	9.94	J	10
	NITROGEN, NITRATE-NITRITE (Method E353.2)	N/A	4	N/A	1.91		1.5	0.666	J	1.5	2.64		1.5	2.56		1.5	0.465	J	1.5	0.891	J	1.5	0.322	J	1.5	ND	U	1.5	ND	U	1.5
	SULFATE	600	N/A	250	92		25	50.2		4	124		10	110		10	56.1		2	74.1		2	47.3		2	31.1		2.5	24.6		20
	SULFIDE, TOTAL (Method 4500SC2F)	N/A	N/A	N/A	ND	U	3.64	ND	U	3.7	ND	U	3.39	ND	U	3.39	ND	U	3.45	ND	U	3.7	ND	U	3.7	ND	U	3.39	ND	U	4
Alkalinity (mg/L)	ALKALINITY, BICARBONATE (AS CACO3)	N/A	N/A	N/A	82.8		1	94.3		1	83.2		1	84.5		1	103		1	107		1	98.4		1	110		1	110		1
Method SM2320B	ALKALINITY, CARBONATE (AS CACO3)	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	4.12		1
Field Parameters	Temperature (°C)	N/A	N/A	N/A	18.99			18.61			19.21			19.35			18.68			18.73			18.55			18.45			18.66		
	pH (S.U.)	N/A	N/A	N/A	7.93			7.58			7.51			7.54			7.74			7.72			7.78			7.73			7.63		
	Spec Cond (µS/cm2)	N/A	N/A	N/A	568.5			387.8			708.7			695.0			439.6			526.3			367.6			313.5			308.5		
	DO (mg/L)	N/A	N/A	N/A	7.05			5.80			6.82			7.48			9.28			10.37			11.62			5.40			5.23		
	ORP (mV)	N/A	N/A	N/A	147			139			155			174			214			213			338			166			158		
	Turbidity (NTU)	N/A	N/A	N/A	4.59			1.61			1.40			2.11			0.75			1.61			2.28			1.61			1.15		
	Alkalinity (mg/L as CaCO3)	N/A	N/A	N/A	98			122			112			88			123			124			120			140			118		

The NMWQCC standard and EPA MCL for m,p- xylene and o-xylene is for total xylenes.

a EPA analytical methods listed are for the most recent sampling event.

b NMED-HWB Approved Background Concentrations, SNL/Kirtland AFB, Chemical Constituents in Ground Water.

Concentrations exceeding background are shown in italics, if applicable.

c EPA National Primary Drinking Water Standards - Maximum Contaminant Levels (MCLs), or if more stringent,

New Mexico Water Quality Control Commission (WQCC) Regulations as denoted by "".

Concentrations exceeding standards are **BOLD**.

d The WQCC regulation for PAHs of 30 ug/L is a total of the concentrations of naphthalene,

1-methylnaphthalene, and 2-methylnaphthalene.

Shading indicates the analyte was detected.

Bold indicated analyte detected greater than regulatory standard

J = estimated value, concentration is less than RL but greater than laboratory method detection limit (MDL).

J+ = estimated value, concentration is less than RL but greater than laboratory method detection limit (MDL); biased high.

J- = estimated value, concentration is less than RL but greater than laboratory method detection limit (MDL); biased high.

U = Analyte was not detected. The reported numerical value is at or below the RL.

UJ = Analyte was *tentatively* not detected. The reported numerical value is at or below the RL.

N/A = Not applicable

ND = Not detected

NM = Not measured due to equipment malfunction.

NR = Not recorded or reported due to operational error.

NR-EF = Not recorded due to equipment malfunction or failure

R = sample data reiected due to site contamination.

Table 5-1
Groundwater Analyitcal Results
October - December 2011

			LOCATION CODE	KAFB-106039			KAFB-106040			KAFB-106042			KAFB-106043			KAFB-106044			KAFB-106045			KAFB-106046			KAFB-106047			KAFB-106048		
			SAMPLE NO	GW0293			GW0294			GW0296			GW0297			GW0299			GW0300			GW0301			GW0302			GW0303		
			SAMPLE DATE	12-Oct-11			19-Oct-11			31-Oct-11			31-Oct-11			18-Oct-11			19-Oct-11			7-Nov-11			7-Nov-11			8-Nov-11		
			SAMPLE PURPOSE	FD			REG			REG			REG			REG			REG			REG			REG			REG		
			SAMPLE DEPTH	508-523 FT			531-546 FT			469-484 FT			543-558 FT			504-519 FT			528-543 FT			490-510 FT			512-527 FT			0-0 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[a]	NMED Approved Background[b]	EPA MCLs[c,d]	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
TPH (µg/L)	DIESEL RANGE ORGANICS	N/A	N/A	N/A	ND	U	96.2	ND	U	100	112		94.3	ND	U	98	ND	U	98	ND	U	96.2	ND	U	94.3	ND	U	98	ND	U	93.5
Method 8015B	GASOLINE RANGE ORGANICS	N/A	N/A	N/A	ND	U	150	ND	U	150	ND	U	150	ND	U	150	ND	U	150	ND	U	150	ND	U	150	ND	U	150	ND	U	150
VOCs (µg/L)	1,1,1,2-TETRACHLOROETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
Method 8260B	1,1,1-TRICHLOROETHANE	60	N/A	60	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,1,2,2-TETRACHLOROETHANE	10	N/A	10	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,1,2-TRICHLOROETHANE	100	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,1-DICHLOROETHANE	25	N/A	25	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,1-DICHLOROETHENE	5	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,1-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,2,3-TRICHLOROBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,2,3-TRICHLOROPROPANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2
	1,2,4-TRICHLOROBENZENE	N/A	N/A	70	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,2,4-TRIMETHYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,2-DIBROMO-3-CHLOROPROPANE	N/A	N/A	0.2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2
	1,2-DIBROMOETHANE	0.1	N/A	0.05	ND	U	1	ND	U	1	0.627	J	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,2-DIBROMOETHANE (Method 8011)	0.1	N/A	0.05	ND	U	0.0284	ND	U	0.0283	0.645	J+	0.0282	ND	U	0.0287	ND	U	0.0286	ND	U	0.0287	ND	U	0.029	ND	U	0.0284	ND	U	0.0287
	1,2-DICHLOROBENZENE	N/A	N/A	600	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,2-DICHLOROETHANE	10	N/A	5	ND	U	1	ND	U	1	0.445	J	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,2-DICHLOROPROPANE	N/A	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,3,5-TRIMETHYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,3-DICHLOROBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,3-DICHLOROPROPANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,4-DICHLOROBENZENE	N/A	N/A	75	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	2,2-DICHLOROPROPANE	N/A	N/A	N/A	ND	UJ	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	2-BUTANONE	N/A	N/A	N/A	ND	UJ	10	ND	U	10	ND	U	10	ND	U	10	ND	U	10	ND	U	10	ND	U	10	ND	U	10	ND	U	10
	2-CHLOROTOLUENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	2-HEXANONE	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	UJ	5	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	5
	4-CHLOROTOLUENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	4-METHYL-2-PENTANONE	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	5
	ACETONE	N/A	N/A	N/A	ND	UJ	10	ND	U	10	ND	U	10	ND	U	10	ND	U	10	ND	U	10	ND	U	10	ND	U	10	ND	U	10
	BENZENE	10	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	BROMOBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	BROMOCHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	BROMODICHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	BROMOFORM	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	BROMOMETHANE	N/A	N/A	N/A	ND	UJ	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2
	CARBON DISULFIDE	N/A	N/A	N/A	ND	UJ	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	CARBON TETRACHLORIDE	10	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	CHLOROBENZENE	N/A	N/A	100	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	CHLOROETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2
	CHLOROFORM	100	N/A	100	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	CHLOROMETHANE	N/A	N/A	N/A	0.295	J	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	CIS-1,2-DICHLOROETHENE	N/A	N/A	70	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	CIS-1,3-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	DIBROMOCHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	DIBROMOMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	DICHLORODIFLUOROMETHANE	N/A	N/A	N/A	ND	UJ	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2
	ETHYLBENZENE	750	N/A	700	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	ISOPROPYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	METHYL TERT-BUTYL ETHER	N/A	N/A	N/A	ND	UJ	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	METHYLENE CHLORIDE	100	N/A	5	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2
	NAPHTHALENE	N/A	N/A	30	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	N-BUTYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	N-PROPYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	P-ISOPROPYLTOLUENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	SEC-BUTYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	STYRENE	N/A	N/A	100	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	TERT-BUTYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	TETRACHLOROETHENE	N/A	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	TOLUENE	750	N/A	750	0.685	J	1	0.523	J	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	TRANS-1,2-DICHLOROETHENE	N/A	N/A	100	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	TRANS-1,3-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	TRICHLOROETHENE	N/A	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	TRICHLOROFLUOROMETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2
	VINYL CHLORIDE	1	N/A	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	XYLENES	620	N/A	10000	ND	U	3	ND	U	3	ND	U	3	ND	U	3	ND	U	3	ND	U	3	ND	U	3	ND	U	3	ND	U	3

Table 5-1
Groundwater Analyitcal Results
October - December 2011

			LOCATION CODE	KAFB-106039			KAFB-106040			KAFB-106042			KAFB-106043			KAFB-106044			KAFB-106045			KAFB-106046			KAFB-106047			KAFB-106048		
			SAMPLE NO	GW0293			GW0294			GW0296			GW0297			GW0299			GW0300			GW0301			GW0302			GW0303		
			SAMPLE DATE	12-Oct-11			19-Oct-11			31-Oct-11			31-Oct-11			18-Oct-11			19-Oct-11			7-Nov-11			7-Nov-11			8-Nov-11		
			SAMPLE PURPOSE	FD			REG			REG			REG			REG			REG			REG			REG			REG		
			SAMPLE DEPTH	508-523 FT			531-546 FT			469-484 FT			543-558 FT			504-519 FT			528-543 FT			490-510 FT			512-527 FT			0-0 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec 20.6.2.3103)[b]	NMED Approved Background[b]	EPA MCLs[c,d]	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
SVOCs (ug/L)	1,1-BIPHENYL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.72
Method 8270C	1,2-DIPHENYLHYDRAZINE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.72
	2,4,5-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.72
	2,4,6-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.72
	2,4-DICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.72
	2,4-DIMETHYLPHENOL	N/A	N/A	N/A	ND	U	19.6	ND	U	19.6	ND	U	19.2	ND	U	18.9	ND	U	18.7	ND	U	18.9	ND	U	18.7	ND	U	18.9	ND	U	18.9
	2,4-DINITROPHENOL	N/A	N/A	N/A	ND	UJ	49	ND	UJ	49	ND	U	48.1	ND	U	47.2	ND	UJ	46.7	ND	UJ	47.2	ND	U	46.7	ND	U	47.2	ND	U	47.2
	2,4-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.72
	2,6-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.72
	2-CHLORONAPHTHALENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.72
	2-CHLOROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.72
	2-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	UJ	4.67	ND	UJ	4.72	ND	UJ	4.72
	2-NITROANILINE	N/A	N/A	N/A	ND	U	19.6	ND	U	19.6	ND	U	19.2	ND	U	18.9	ND	U	18.7	ND	U	18.9	ND	U	18.7	ND	U	18.9	ND	U	18.9
	2-NITROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.72
	3,3'-DICHLOROBENZIDINE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.72
	3-METHYLPHENOL AND 4-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.72
	3-NITROANILINE	N/A	N/A	N/A	ND	U	19.6	ND	U	19.6	ND	U	19.2	ND	U	18.9	ND	U	18.7	ND	U	18.9	ND	U	18.7	ND	U	18.9	ND	U	18.9
	4,6-DINITRO-2-METHYLPHENOL	N/A	N/A	N/A	ND	UJ	19.6	ND	UJ	19.6	ND	U	19.2	ND	U	18.9	ND	UJ	18.7	ND	UJ	18.9	ND	U	18.7	ND	U	18.9	ND	U	18.9
	4-BROMOPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.72
	4-CHLORO-3-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.72
	4-CHLOROANILINE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.72
	4-CHLOROPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.72
	4-NITROANILINE	N/A	N/A	N/A	ND	U	19.6	ND	U	19.6	ND	U	19.2	ND	U	18.9	ND	U	18.7	ND	U	18.9	ND	U	18.7	ND	U	18.9	ND	U	18.9
	4-NITROPHENOL	N/A	N/A	N/A	ND	U	19.6	ND	U	19.6	ND	U	19.2	ND	U	18.9	ND	U	18.7	ND	U	18.9	ND	U	18.7	ND	U	18.9	ND	U	18.9
	ACETOPHENONE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.72
	ATRAZINE	N/A	N/A	N/A	ND	UJ	4.9	ND	UJ	4.9	ND	U	4.81	ND	U	4.72	ND	UJ	4.67	ND	UJ	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.72
	BENZALDEHYDE	N/A	N/A	N/A	ND	UJ	4.9	ND	UJ	4.9	ND	UJ	4.81	ND	UJ	4.72	ND	UJ	4.67	ND	UJ	4.72	ND	UJ	4.67	ND	UJ	4.72	ND	UJ	4.72
	BENZIDINE	N/A	N/A	N/A	ND	U	49	ND	U	49	ND	U	48.1	ND	U	47.2	ND	U	46.7	ND	U	47.2	ND	U	46.7	ND	U	47.2	ND	U	47.2
	BENZOIC ACID	N/A	N/A	N/A	ND	UJ	49	ND	UJ	49	ND	U	48.1	ND	U	47.2	ND	UJ	46.7	ND	UJ	47.2	ND	U	46.7	ND	U	47.2	ND	U	47.2
	BIS(2-CHLOROETHOXY)METHANE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.72
	BIS(2-CHLOROETHYL)ETHER	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.72
	BIS(2-CHLOROISOPROPYL)ETHER	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.72
	BIS(2-ETHYLHEXYL)PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.72
	BUTYL BENZYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.72
	CAPROLACTAM	N/A	N/A	N/A	ND	UJ	4.9	ND	UJ	4.9	ND	UJ	4.81	ND	UJ	4.72	ND	UJ	4.67	ND	UJ	4.72	ND	UJ	4.67	ND	UJ	4.72	ND	UJ	4.72
	CARBAZOLE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.72
	DIBENZOFURAN	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.72
	DIETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.72
	DIMETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.72
	DI-N-BUTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.72
	DI-N-OCTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.72
	HEXACHLOROBENZENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.72
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.72
	HEXACHLOROCYCLOPENTADIENE	N/A	N/A	N/A	ND	U	4.9	ND	UJ	4.9	ND	U	4.81	ND	U	4.72	ND	UJ	4.67	ND	UJ	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.72
	HEXACHLOROETHANE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.72
	ISOPHORONE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.72
	NITROBENZENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.72
	N-NITROSO-DI-N-PROPYLAMINE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.72
	N-NITROSODIPHENYLAMINE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.72
	PENTACHLOROPHENOL	N/A	N/A	N/A	ND	U	19.6	ND	U	19.6	ND	U	19.2	ND	U	18.9	ND	U	18.7	ND	U	18.9	ND	U	18.7	ND	U	18.9	ND	U	18.9
	PHENOL	N/A	N/A	5	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.72
PAHs (µg/L)	1-METHYL NAPHTHALENE	N/A	N/A	30	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.72
Method 8270C	2-METHYLNAPHTHALENE	N/A	N/A	30	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.72
	ACENAPHTHENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.72
	ACENAPHTHYLENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.72
	ANTHRACENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.72
	BENZO(A)ANTHRACENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.72
	BENZO(A)PYRENE	0.7	N/A	0.2	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.72
	BENZO(B)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.72
	BENZO(GHI)PERYLENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.72
	BENZO(K)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.72
	CHRYSENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.72
	DIBENZO(A,H)ANTHRACENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.72
	FLUORANTHENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.72
	FLUORENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.72
	INDENO(1,2,3-CD)PYRENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.72
	NAPHTHALENE	N/A	N/A	30	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.72
	PHENANTHRENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.72
	PYRENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.67	ND	U	4.72	ND	U	4.72
PAHs (ug/L)	1-METHYL NAPHTHALENE	N/A	N/A	30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Method 8270C	2-METHYLNAPHTHALENE	N/A	N/A	30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Low detection limit	ACENAPHTHENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	ACENAPHTHYLENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	ANTHRACENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(A)ANTHRACENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(A)PYRENE	0.7	N/A	0.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(B)FLUORANTHENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(GHI)PERYLENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(K)FLUORANTHENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	CHRYSENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	DIBENZO(A,H)ANTHRACENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	FLUORANTHENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	FLUORENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	INDENO(1,2,3-CD)PYRENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	NAPHTHALENE	N/A	N/A	30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	PHENANTHRENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	PYRENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table 5-1
Groundwater Analyitcal Results
October - December 2011

			LOCATION CODE	KAFB-106039			KAFB-106040			KAFB-106042			KAFB-106043			KAFB-106044			KAFB-106045			KAFB-106046			KAFB-106047			KAFB-106048		
			SAMPLE NO	GW0293			GW0294			GW0296			GW0297			GW0299			GW0300			GW0301			GW0302			GW0303		
			SAMPLE DATE	12-Oct-11			19-Oct-11			31-Oct-11			31-Oct-11			18-Oct-11			19-Oct-11			7-Nov-11			7-Nov-11			8-Nov-11		
			SAMPLE PURPOSE	FD			REG			REG			REG			REG			REG			REG			REG			REG		
			SAMPLE DEPTH	508-523 FT			531-546 FT			469-484 FT			543-558 FT			504-519 FT			528-543 FT			490-510 FT			512-527 FT			0-0 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec 20.6.2.3103)[b]	NMED Approved Background[b]	EPA MCLs[c,d]	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
Metals (mg/L)	CALCIUM	N/A	N/A	N/A	37.9		5	34.4		5	63.6		5	44.5		5	32.2		5	31.3		5	52.1		5	41.8		5	34.3		5
Method 6010B	IRON, DISSOLVED	1	N/A	0.3	ND	U	0.1	ND	U	0.1	ND	U	0.1	ND	U	0.1	ND	U	0.1	ND	U	0.1	ND	U	0.1	ND	U	0.1	ND	U	0.1
	LEAD	0.05	0.01	0.015	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003
	MAGNESIUM	N/A	N/A	N/A	4.9	J	5	4.54	J	5	8.29		5	5.71		5	4.53	J	5	4.41	J	5	7.25		5	5.6		5	4.62	J	5
	MANGANESE, DISSOLVED	0.2	N/A	0.05	**0.0621**		0.015	*0.0366*		0.015	ND	U	0.015	**0.00624**	J	0.015	ND	U	0.015	ND	U	0.015	ND	U	0.015	**0.337**		0.015	ND	U	0.015
	POTASSIUM	N/A	N/A	N/A	2.39	J	5	2.2	J	5	3.72	J	5	2.63	J	5	2.02	J	5	1.97	J	5	2.52	J	5	2.32	J	5	2.01	J	5
	SODIUM	N/A	N/A	N/A	25.7		5	23.1		5	28.4		5	24.9		5	20.5		5	19.8		5	28.7		5	24		5	21.9		5
Anions (mg/L)	AMMONIA (AS N) (Method 4500NH3BG)	N/A	N/A	N/A	ND	U	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3	0.181	J	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3
Method E300.0	CHLORIDE	250	N/A	250	9.92	J	10	9.38	J-	10	54.2		10	15.3	J	25	7.93	J-	10	8.2	J-	10	9.36	J+	2.5	8.34	J+	2.5	7.5	J+	2.5
	NITROGEN, NITRATE-NITRITE (Method E353.2)	N/A	4	N/A	ND	U	1.5	ND	U	1.5	1.03	J	1.5	ND	U	1.5	ND	U	1.5	ND	U	1.5	0.288	J	1.5	ND	U	1.5	ND	U	1.5
	SULFATE	600	N/A	250	26.1		20	25.8		20	46.4		20	42.7		25	23.6		20	24.7		20	29		2.5	24.5		2.5	28.9		2.5
	SULFIDE, TOTAL (Method 4500SC2F)	N/A	N/A	N/A	ND	U	3.7	ND	U	3.7	ND	U	3.7	ND	U	3.57	ND	U	3.45	ND	U	3.7	ND	U	3.39	ND	U	3.39	ND	U	3.7
Alkalinity (mg/L)	ALKALINITY, BICARBONATE (AS CACO3)	N/A	N/A	N/A	114		1	113		1	113		1	106		1	99.3		1	96.8		1	171		1	126		1	103		1
Method SM2320B	ALKALINITY, CARBONATE (AS CACO3)	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
Field Parameters	Temperature (°C)	N/A	N/A	N/A	18.66			18.56			18.68			18.93			19.19			18.73			19.37			19.34			19.01		
	pH (S.U.)	N/A	N/A	N/A	7.63			7.63			7.65			7.83			7.91			7.92			7.59			7.57			7.86		
	Spec Cond (µS/cm2)	N/A	N/A	N/A	308.5			300.7			513.9			330.7			276.7			275.9			401.9			333.6			286.2		
	DO (mg/L)	N/A	N/A	N/A	5.23			7.00			7.51			19.25			7.24			7.44			3.75			3.42			10.22		
	ORP (mV)	N/A	N/A	N/A	158			154			88			151			112			109			189			-12			206		
	Turbidity (NTU)	N/A	N/A	N/A	1.15			1.50			1.13			0.73			1.19			0.80			1.16			15.90			1.65		
	Alkalinity (mg/L as CaCO3)	N/A	N/A	N/A	118			96			118			128			114			104			164			160			147		

The NMWQCC standard and EPA MCL for m,p- xylene and o-xylene is for total xylenes.

a EPA analytical methods listed are for the most recent sampling event.

b NMED-HWB Approved Background Concentrations, SNL/Kirtland AFB, Chemical Constituents in Ground Water.
Concentrations exceeding background are shown in italics, if applicable.

c EPA National Primary Drinking Water Standards - Maximum Contaminant Levels (MCLs), or if more stringent,
New Mexico Water Quality Control Commission (WQCC) Regulations as denoted by "*".
Concentrations exceeding standards are **BOLD**.

d The WQCC regulation for PAHs of 30 ug/L is a total of the concentrations of naphthalene,
1-methylnaphthalene, and 2-methylnaphthalene.

Shading indicates the analyte was detected.

Bold indicated analyte detected greater than regulatory standard.

J = estimated value, concentration is less than RL but greater than laboratory method detection limit (MDL).

J+ = estimated value, concentration is less than RL but greater than laboratory method detection limit (MDL); biased high.

J- = estimated value, concentration is less than RL but greater than laboratory method detection limit (MDL); biased high.

U = Analyte was not detected. The reported numerical value is at or below the RL.

UJ = Analyte was *tentatively* not detected. The reported numerical value is at or below the RL.

N/A = Not applicable

ND = Not detected

NM = Not measured due to equipment malfunction.

NR = Not recorded or reported due to operational error

NR-EF = Not recorded due to equipment malfunction or failure

R = sample data rejected due to site contamination

Table 5-1
Groundwater Analyitcal Results
October - December 2011

			LOCATION CODE	KAFB-106049			KAFB-106050			KAFB-106050			KAFB-106051			KAFB-106052			KAFB-106053			KAFB-106054			KAFB-106055			KAFB-106057		
			SAMPLE NO	GW0304			GW0305			GW0306			GW0307			GW0308			GW0309			GW0310			GW0311			GW0312		
			SAMPLE DATE	10-Oct-11			10-Oct-11			10-Oct-11			10-Oct-11			2-Nov-11			2-Nov-11			3-Nov-11			6-Oct-11			6-Oct-11		
			SAMPLE PURPOSE	REG			REG			FD			REG			REG			REG			REG			REG			REG		
			SAMPLE DEPTH	456-477 FT			476-489 FT			476-489 FT			502-516 FT			450-480 FT			0-0 FT			504-519 FT			469-485 FT			486-500 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[a]	NMED Approved Background[b]	EPA MCLs[c,d]	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
TPH (µg/L)	DIESEL RANGE ORGANICS	N/A	N/A	N/A	ND	U	98	ND	U	96.2	ND	U	96.2	ND	U	100	ND	U	98	ND	U	98	ND	U	93.5	240	J-	98	222	J-	94.3
Method 8015B	GASOLINE RANGE ORGANICS	N/A	N/A	N/A	ND	U	150	ND	U	150	ND	U	150	ND	U	150	ND	U	150	ND	U	150	ND	U	150	ND	U	150	ND	U	150
VOCs (µg/L)	1,1,1,2-TETRACHLOROETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
Method 8260B	1,1,1-TRICHLOROETHANE	60	N/A	60	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,1,2,2-TETRACHLOROETHANE	10	N/A	10	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,1,2-TRICHLOROETHANE	100	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,1-DICHLOROETHANE	25	N/A	25	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	UJ	1	ND	UJ	1
	1,1-DICHLOROETHENE	5	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,1-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,2,3-TRICHLOROBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,2,3-TRICHLOROPROPANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2
	1,2,4-TRICHLOROBENZENE	N/A	N/A	70	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,2,4-TRIMETHYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	0.452	J	1
	1,2-DIBROMO-3-CHLOROPROPANE	N/A	N/A	0.2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2
	1,2-DIBROMOETHANE	0.1	N/A	0.05	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	1.08		1	1.01		1
	1,2-DIBROMOETHANE (Method 8011)	0.1	N/A	0.05	ND	U	0.0283	ND	U	0.0283	ND	U	0.0284	ND	U	0.0281	ND	U	0.0285	ND	U	0.0283	ND	U	0.0286	0.645		0.0277	0.77		0.0288
	1,2-DICHLOROBENZENE	N/A	N/A	600	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,2-DICHLOROETHANE	10	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	UJ	1	ND	U	1	ND	U	1	ND	U	1
	1,2-DICHLOROPROPANE	N/A	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,3,5-TRIMETHYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	0.328	J	1
	1,3-DICHLOROBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,3-DICHLOROPROPANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,4-DICHLOROBENZENE	N/A	N/A	75	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	2,2-DICHLOROPROPANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	UJ	1	ND	U	1	ND	U	1	ND	U	1
	2-BUTANONE	N/A	N/A	N/A	ND	U	10	ND	U	10	ND	U	10	ND	U	10	ND	U	10	ND	UJ	10	ND	U	10	ND	U	10	ND	U	10
	2-CHLOROTOLUENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	2-HEXANONE	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	5
	4-CHLOROTOLUENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	4-METHYL-2-PENTANONE	N/A	N/A	N/A	ND	UJ	5	ND	UJ	5	ND	UJ	5	ND	UJ	5	ND	U	5	ND	UJ	5	ND	U	5	ND	U	5	ND	U	5
	ACETONE	N/A	N/A	N/A	ND	U	10	ND	U	10	ND	U	10	ND	U	10	ND	U	10	ND	U	10	ND	U	10	ND	U	10	ND	U	10
	BENZENE	10	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	0.325	J	1
	BROMOBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	BROMOCHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	BROMODICHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	UJ	1	ND	U	1	ND	U	1	ND	U	1
	BROMOFORM	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	BROMOMETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	UJ	2	ND	U	2	ND	U	2	ND	U	2
	CARBON DISULFIDE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	UJ	1	ND	U	1	ND	UJ	1	ND	UJ	1
	CARBON TETRACHLORIDE	10	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	CHLOROBENZENE	N/A	N/A	100	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	CHLOROETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2
	CHLOROFORM	100	N/A	100	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	CHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	UJ	1	ND	U	1	ND	U	1	ND	U	1
	CIS-1,2-DICHLOROETHENE	N/A	N/A	70	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	CIS-1,3-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	DIBROMOCHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	DIBROMOMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	DICHLORODIFLUOROMETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	UJ	2	ND	U	2	ND	U	2	ND	U	2
	ETHYLBENZENE	750	N/A	700	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	ISOPROPYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	0.869	J	1
	METHYL TERT-BUTYL ETHER	N/A	N/A	N/A	ND	UJ	1	ND	UJ	1	ND	UJ	1	ND	UJ	1	ND	U	1	ND	UJ	1	ND	U	1	ND	UJ	1	ND	UJ	1
	METHYLENE CHLORIDE	100	N/A	5	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2
	NAPHTHALENE	N/A	N/A	30	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	UJ	1	ND	U	1	ND	U	1	ND	U	1
	N-BUTYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	N-PROPYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	P-ISOPROPYLTOLUENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	SEC-BUTYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	STYRENE	N/A	N/A	100	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	TERT-BUTYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	TETRACHLOROETHENE	N/A	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	TOLUENE	750	N/A	750	ND	U	1	ND	U	1	ND	U	1	ND	U	1	0.254	J	1	0.276	J	1	0.265	J	1	0.612	J	1	0.614	J	1
	TRANS-1,2-DICHLOROETHENE	N/A	N/A	100	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	UJ	1	ND	UJ	1
	TRANS-1,3-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	TRICHLOROETHENE	N/A	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	TRICHLOROFLUOROMETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	UJ	2	ND	U	2	ND	U	2	ND	U	2
	VINYL CHLORIDE	1	N/A	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	XYLENES	620	N/A	10000	ND	U	3	ND	U	3	ND	U	3	ND	U	3	ND	U	3	ND	U	3	ND	U	3	ND	U	3	ND	U	3

Table 5-1
Groundwater Analyitcal Results
October - December 2011

			LOCATION CODE	KAFB-106049			KAFB-106050			KAFB-106050			KAFB-106051			KAFB-106052			KAFB-106053			KAFB-106054			KAFB-106055			KAFB-106057		
			SAMPLE NO	GW0304			GW0305			GW0306			GW0307			GW0308			GW0309			GW0310			GW0311			GW0312		
			SAMPLE DATE	10-Oct-11			10-Oct-11			10-Oct-11			10-Oct-11			2-Nov-11			2-Nov-11			3-Nov-11			6-Oct-11			6-Oct-11		
			SAMPLE PURPOSE	REG			REG			FD			REG			REG			REG			REG			REG			REG		
			SAMPLE DEPTH	456-477 FT			476-489 FT			476-489 FT			502-516 FT			450-480 FT			0-0 FT			504-519 FT			469-485 FT			486-500 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec 20.6.2.3103)[b]	NMED Approved Background[b]	EPA MCLs[c,d]	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
SVOCs (ug/L)	1,1-BIPHENYL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.67	ND	U	4.63
Method 8270C	1,2-DIPHENYLHYDRAZINE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.67	ND	U	4.63
	2,4,5-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	UJ	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.67	ND	U	4.63
	2,4,6-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	UJ	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.67	ND	U	4.63
	2,4-DICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	UJ	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.67	ND	U	4.63
	2,4-DIMETHYLPHENOL	N/A	N/A	N/A	ND	U	19.6	ND	U	18.9	ND	UJ	18.9	ND	U	19.2	ND	U	19.2	ND	U	19.6	ND	U	19.2	ND	U	18.7	ND	U	18.5
	2,4-DINITROPHENOL	N/A	N/A	N/A	ND	U	49	ND	U	47.2	ND	UJ	47.2	ND	U	48.1	ND	U	48.1	ND	U	49	ND	U	48.1	ND	UJ	46.7	ND	UJ	46.3
	2,4-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.67	ND	U	4.63
	2,6-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.67	ND	U	4.63
	2-CHLORONAPHTHALENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.67	ND	U	4.63
	2-CHLOROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	UJ	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.67	ND	U	4.63
	2-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	UJ	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.67	ND	U	4.63
	2-NITROANILINE	N/A	N/A	N/A	ND	U	19.6	ND	U	18.9	ND	U	18.9	ND	U	19.2	ND	U	19.2	ND	U	19.6	ND	U	19.2	ND	U	18.7	ND	U	18.5
	2-NITROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	UJ	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.67	ND	U	4.63
	3,3'-DICHLOROBENZIDINE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.67	ND	U	4.63
	3-METHYLPHENOL AND 4-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	UJ	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.67	ND	U	4.63
	3-NITROANILINE	N/A	N/A	N/A	ND	U	19.6	ND	U	18.9	ND	U	18.9	ND	U	19.2	ND	U	19.2	ND	U	19.6	ND	U	19.2	ND	U	18.7	ND	U	18.5
	4,6-DINITRO-2-METHYLPHENOL	N/A	N/A	N/A	ND	U	19.6	ND	U	18.9	ND	UJ	18.9	ND	U	19.2	ND	U	19.2	ND	U	19.6	ND	U	19.2	ND	UJ	18.7	ND	UJ	18.5
	4-BROMOPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.67	ND	U	4.63
	4-CHLORO-3-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	UJ	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.67	ND	U	4.63
	4-CHLOROANILINE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.67	ND	U	4.63
	4-CHLOROPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.67	ND	U	4.63
	4-NITROANILINE	N/A	N/A	N/A	ND	U	19.6	ND	UJ	18.9	ND	UJ	18.9	ND	UJ	19.2	ND	U	19.2	ND	U	19.6	ND	U	19.2	ND	UJ	18.7	ND	UJ	18.5
	4-NITROPHENOL	N/A	N/A	N/A	ND	U	19.6	ND	U	18.9	ND	UJ	18.9	ND	U	19.2	ND	U	19.2	ND	U	19.6	ND	U	19.2	ND	U	18.7	ND	U	18.5
	ACETOPHENONE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.67	ND	U	4.63
	ATRAZINE	N/A	N/A	N/A	ND	UJ	4.9	ND	UJ	4.72	ND	UJ	4.72	ND	UJ	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.67	ND	U	4.63
	BENZALDEHYDE	N/A	N/A	N/A	ND	UJ	4.9	ND	UJ	4.72	ND	UJ	4.72	ND	UJ	4.81	ND	UJ	4.81	ND	UJ	4.9	ND	UJ	4.81	ND	U	4.67	ND	U	4.63
	BENZIDINE	N/A	N/A	N/A	ND	U	49	ND	U	47.2	ND	U	47.2	ND	U	48.1	ND	U	48.1	ND	U	49	ND	U	48.1	ND	U	46.7	ND	U	46.3
	BENZOIC ACID	N/A	N/A	N/A	ND	U	49	ND	U	47.2	ND	U	47.2	ND	U	48.1	ND	U	48.1	ND	U	49	ND	U	48.1	ND	UJ	46.7	ND	UJ	46.3
	BIS(2-CHLOROETHOXY)METHANE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.67	ND	U	4.63
	BIS(2-CHLOROETHYL)ETHER	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.67	ND	U	4.63
	BIS(2-CHLOROISOPROPYL)ETHER	N/A	N/A	N/A	ND	UJ	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	UJ	4.81	ND	UJ	4.9	ND	UJ	4.81	ND	U	4.67	ND	U	4.63
	BIS(2-ETHYLHEXYL)PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.67	ND	U	4.63
	BUTYL BENZYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	UJ	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.67	ND	U	4.63
	CAPROLACTAM	N/A	N/A	N/A	ND	UJ	4.9	ND	UJ	4.72	ND	UJ	4.72	ND	UJ	4.81	ND	UJ	4.81	ND	UJ	4.9	ND	UJ	4.81	ND	UJ	4.67	ND	UJ	4.63
	CARBAZOLE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.67	ND	U	4.63
	DIBENZOFURAN	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.67	ND	U	4.63
	DIETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.67	ND	U	4.63
	DIMETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.67	ND	U	4.63
	DI-N-BUTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.67	ND	U	4.63
	DI-N-OCTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.67	ND	U	4.63
	HEXACHLOROBENZENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.67	ND	U	4.63
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.67	ND	U	4.63
	HEXACHLOROCYCLOPENTADIENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.67	ND	U	4.63
	HEXACHLOROETHANE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	UJ	4.67	ND	UJ	4.63
	ISOPHORONE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.67	ND	U	4.63
	NITROBENZENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.67	ND	U	4.63
	N-NITROSO-DI-N-PROPYLAMINE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.67	ND	U	4.63
	N-NITROSODIPHENYLAMINE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.67	ND	U	4.63
	PENTACHLOROPHENOL	N/A	N/A	N/A	ND	UJ	19.6	ND	U	18.9	ND	UJ	18.9	ND	U	19.2	ND	U	19.2	ND	U	19.6	ND	U	19.2	ND	U	18.7	ND	U	18.5
	PHENOL	N/A	N/A	5	ND	U	4.9	ND	U	4.72	ND	UJ	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.67	ND	U	4.63
PAHs (µg/L)	1-METHYL NAPHTHALENE	N/A	N/A	30	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.67	ND	U	4.63
Method 8270C	2-METHYLNAPHTHALENE	N/A	N/A	30	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.67	ND	U	4.63
	ACENAPHTHENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	UJ	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.67	ND	U	4.63
	ACENAPHTHYLENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	UJ	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.67	ND	U	4.63
	ANTHRACENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	UJ	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.67	ND	U	4.63
	BENZO(A)ANTHRACENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	UJ	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.67	ND	U	4.63
	BENZO(A)PYRENE	0.7	N/A	0.2	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	UJ	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.67	ND	U	4.63
	BENZO(B)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	UJ	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.67	ND	U	4.63
	BENZO(GHI)PERYLENE	N/A	N/A	N/A	ND	U	4.9	ND	UJ	4.72	ND	UJ	4.72	ND	UJ	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.67	ND	U	4.63
	BENZO(K)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	UJ	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.67	ND	U	4.63
	CHRYSENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	UJ	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.67	ND	U	4.63
	DIBENZO(A,H)ANTHRACENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	UJ	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.67	ND	U	4.63
	FLUORANTHENE	N/A	N/A	N/A	ND	UJ	4.9	ND	U	4.72	ND	U	4.72	ND	UJ	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.67	ND	U	4.63
	FLUORENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.67	ND	U	4.63
	INDENO(1,2,3-CD)PYRENE	N/A	N/A	N/A	ND	U	4.9	ND	UJ	4.72	ND	UJ	4.72	ND	UJ	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.67	ND	U	4.63
	NAPHTHALENE	N/A	N/A	30	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.67	ND	U	4.63
	PHENANTHRENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	UJ	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.67	ND	U	4.63
	PYRENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.72	ND	UJ	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.67	ND	U	4.63
PAHs (µg/L)	1-METHYL NAPHTHALENE	N/A	N/A	30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Method 8270C	2-METHYLNAPHTHALENE	N/A	N/A	30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Low detection limit	ACENAPHTHENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	ACENAPHTHYLENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	ANTHRACENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(A)ANTHRACENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(A)PYRENE	0.7	N/A	0.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(B)FLUORANTHENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(GHI)PERYLENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(K)FLUORANTHENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	CHRYSENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	DIBENZO(A,H)ANTHRACENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	FLUORANTHENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	FLUORENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	INDENO(1,2,3-CD)PYRENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	NAPHTHALENE	N/A	N/A	30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	PHENANTHRENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	PYRENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table 5-1
Groundwater Analyitcal Results
October - December 2011

				LOCATION CODE	KAFB-106049			KAFB-106050			KAFB-106050			KAFB-106051			KAFB-106052			KAFB-106053			KAFB-106054			KAFB-106055			KAFB-106057		
				SAMPLE NO	GW0304			GW0305			GW0306			GW0307			GW0308			GW0309			GW0310			GW0311			GW0312		
				SAMPLE DATE	10-Oct-11			10-Oct-11			10-Oct-11			10-Oct-11			2-Nov-11			2-Nov-11			3-Nov-11			6-Oct-11			6-Oct-11		
				SAMPLE PURPOSE	REG			REG			FD			REG			REG			REG			REG			REG			REG		
				SAMPLE DEPTH	456-477 FT			476-489 FT			476-489 FT			502-516 FT			450-480 FT			0-0 FT			504-519 FT			469-485 FT			486-500 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec 20.6.2.3103)[b]	NMED Approved Background[b]	EPA MCLs[c,d]	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
Metals (mg/L)	CALCIUM	N/A	N/A	N/A	**174**		5	**68.4**		5	**67.7**		5	**51.4**		5	**57.8**		5	**53.6**		5	**49**		5	**43.2**		5	**40.9**		5
Method 6010B	IRON, DISSOLVED	1	N/A	0.3	ND	U	0.1	ND	U	0.1	ND	U	0.1	ND	U	0.1	ND	U	0.1	ND	U	0.1	ND	U	0.1	ND	U	0.1	ND	U	0.1
	LEAD	0.05	0.01	0.015	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003
	MAGNESIUM	N/A	N/A	N/A	**24**		5	**9.08**		5	**9.03**		5	**6.87**		5	**7.78**		5	**7.1**		5	**6.57**		5	**5.77**		5	**5.49**		5
	MANGANESE, DISSOLVED	0.2	N/A	0.05	**0.00579**	J	0.015	**0.00469**	J	0.015	**0.00443**	J	0.015	ND	U	0.015	ND	U	0.015	ND	U	0.015	**0.0175**		0.015	**0.00483**	J	0.015	**0.0133**	J	0.015
	POTASSIUM	N/A	N/A	N/A	**4.18**	J	5	**3.17**	J	5	**3.15**	J	5	**2.65**	J	5	**3.08**	J	5	**2.89**	J	5	**2.65**	J	5	**2.36**	J	5	**2.31**	J	5
	SODIUM	N/A	N/A	N/A	**32.9**		5	**29.1**		5	**28.9**		5	**25.5**		5	**27.7**		5	**26.4**		5	**24.7**		5	**25.1**		5	**23.3**		5
Anions (mg/L)	AMMONIA (AS N) (Method 4500NH3BG)	N/A	N/A	N/A	ND	U	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3	**0.129**	J	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3
Method E300.0	CHLORIDE	250	N/A	250	**97.6**		10	**50.5**		10	**51.1**		10	**29.9**		10	**42.5**		25	**31.9**		2.5	**23.3**		2.5	**21.2**		10	**13.1**		10
	NITROGEN, NITRATE-NITRITE (Method E353.2)	N/A	4	N/A	**3.61**		1.5	**1.57**		1.5	**1.61**		1.5	**0.761**	J	1.5	**0.866**	J	1.5	**0.722**	J	1.5	**0.434**	J	1.5	**0.862**	J	1.5	ND	U	1.5
	SULFATE	600	N/A	250	**379**		20	**76.6**		20	**77.6**		20	**50**		20	**64**		25	**59.4**		25	**58.6**		5	**36.2**		20	**34.6**		20
	SULFIDE, TOTAL (Method 4500SC2F)	N/A	N/A	N/A	ND	U	3.7	ND	U	3.45	ND	U	3.45	ND	U	3.7	ND	U	4	ND	U	4	ND	U	3.39	ND	U	3.45	ND	U	3.45
Alkalinity (mg/L)	ALKALINITY, BICARBONATE (AS CACO3)	N/A	N/A	N/A	**72.9**		1	**81.6**		1	**86.5**		1	**94.3**		1	**97.2**		1	**89**		1	**94.8**		1	**103**		1	**119**		1
Method SM2320B	ALKALINITY, CARBONATE (AS CACO3)	N/A	N/A	N/A	ND	U	1	**4.94**		1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
Field Parameters	Temperature (°C)	N/A	N/A	N/A	18.59			19.20			19.20			18.85			17.70			18.03			19.03			18.78			19.05		
	pH (S.U.)	N/A	N/A	N/A	7.64			7.74			7.74			7.82			7.61			7.60			7.63			7.65			7.63		
	Spec Cond (µS/cm2)	N/A	N/A	N/A	1159.0			510.8			510.8			403.2			437.3			401.3			378.0			361.6			339.8		
	DO (mg/L)	N/A	N/A	N/A	8.18			10.23			10.23			9.31			5.86			6.54			6.16			5.72			6.33		
	ORP (mV)	N/A	N/A	N/A	100			148			148			157			146			153			160			152			139		
	Turbidity (NTU)	N/A	N/A	N/A	1.28			2.70			2.70			0.72			2.67			1.64			1.40			0.80			0.86		
	Alkalinity (mg/L as CaCO3)	N/A	N/A	N/A	88			96			96			98			112			112			138			108			122		

The NMWQCC standard and EPA MCL for m,p- xylene and o-xylene is for total xylenes.

a EPA analytical methods listed are for the most recent sampling event.

b NMED-HWB Approved Background Concentrations, SNL/Kirtland AFB, Chemical Constituents in Ground Water.

Concentrations exceeding background are shown in italics, if applicable.

c EPA National Primary Drinking Water Standards - Maximum Contaminant Levels (MCLs), or if more stringent,

New Mexico Water Quality Control Commission (WQCC) Regulations as denoted by "*".

Concentrations exceeding standards are **BOLD**.

d The WQCC regulation for PAHs of 30 ug/L is a total of the concentrations of naphthalene,

1-methylnaphthalene, and 2-methylnaphthalene.

Shading indicates the analyte was detected.

Bold indicated analyte detected greater than regulatory standard

J = **e**stimated value, concentration is less than RL but greater than laboratory method detection limit (MDL).

J+ = estimated value, concentration is less than RL but greater than laboratory method detection limit (MDL); biased high.

J- = estimated value, concentration is less than RL but greater than laboratory method detection limit (MDL); biased high.

U = Analyte was not detected. The reported numerical value is at or below the RL.

UJ = Analyte was *tentatively* not detected. The reported numerical value is at or below the RL.

N/A = Not applicable

ND = Not detected

NM = Not measured due to equipment malfunction.

NR = Not recorded or reported due to operational error

NR-EF = Not recorded due to equipment malfunction or failure

R = sample data rejected due to site contamination

Table 5-1
Groundwater Analyitcal Results
October - December 2011

			LOCATION CODE	KAFB-106058			KAFB-106059			KAFB-106060			KAFB-106060			KAFB-106061			KAFB-106062			KAFB-106063			KAFB-106064			KAFB-106065			KAFB-106066			KAFB-106067			KAFB-106068			KAFB-106069		
			SAMPLE NO	GW0313			GW0314			GW0315			GW0316			GW0317			GW0318			GW0319			GW0320			GW0323			GW0322			GW0324			GW0325			GW0326		
			SAMPLE DATE	5-Oct-11			20-Dec-11			25-Oct-11			25-Oct-11			25-Oct-11			9-Nov-11			9-Nov-11			15-Dec-11			1-Nov-11			1-Nov-11			3-Nov-11			3-Nov-11			14-Dec-11		
			SAMPLE PURPOSE	REG			REG			REG			FD			REG			REG			REG			REG			REG			REG			REG			REG			REG		
			SAMPLE DEPTH	512-526 FT			483-503 FT			503-518 FT			503-518 FT			573-588 FT			576-590 FT			505-520 FT			485-505 FT			508-523 FT			576-591 FT			485-505 FT			580-595 FT			506-521 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[a]	NMED Approved Background[b]	EPA MCLs[c,d]	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
TPH (µg/L)	DIESEL RANGE ORGANICS	N/A	N/A	N/A	226	J-	98	45500	J-	1920	159		100	ND	U	100	173		100	ND	U	100	ND	U	95.2	2010		98	15000		962	ND	U	96.2	2980		94.3	ND	U	96.2	ND	U	97.1
Method 8015B	GASOLINE RANGE ORGANICS	N/A	N/A	N/A	ND	U	150	26300		7500	ND	U	150	ND	U	150	ND	U	150	ND	U	150	ND	U	150	1920		150	4520		300	ND	U	150	718		150	ND	U	150	ND	U	150
VOCs (µg/L)	1,1,1,2-TETRACHLOROETHANE	N/A	N/A	N/A	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	20	ND	U	1	ND	U	1	ND	U	1	ND	U	1
Method 8260B	1,1,1-TRICHLOROETHANE	60	N/A	60	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	20	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,1,2,2-TETRACHLOROETHANE	10	N/A	10	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	20	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,1,2-TRICHLOROETHANE	100	N/A	5	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	20	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,1-DICHLOROETHANE	25	N/A	25	ND	UJ	1	ND	U	50	ND	U	1	ND	U	1	ND	U	1	ND	U	1	0.523	J	1	0.37	J	1	ND	U	20	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,1-DICHLOROETHENE	5	N/A	5	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	20	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,1-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	20	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,2,3-TRICHLOROBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	20	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,2,3-TRICHLOROPROPANE	N/A	N/A	N/A	ND	U	2	ND	U	100	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	40	ND	U	2	ND	U	2	ND	U	2	ND	U	2
	1,2,4-TRICHLOROBENZENE	N/A	N/A	70	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	20	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,2,4-TRIMETHYLBENZENE	N/A	N/A	N/A	ND	U	1	280		50	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	56.5		1	119		20	0.421	J	1	15		1	ND	U	1	1.06		1
	1,2-DIBROMO-3-CHLOROPROPANE	N/A	N/A	0.2	ND	U	2	ND	U	100	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	40	ND	U	2	ND	U	2	ND	U	2	ND	U	2
	1,2-DIBROMOETHANE	0.1	N/A	0.05	0.566	J	1	183		50	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	4.75		1	ND	U	20	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,2-DIBROMOETHANE (Method 8011)	0.1	N/A	0.05	0.566		0.0284	186		5.6	ND	U	0.0279	ND	U	0.0286	ND	U	0.0285	ND	U	0.028	ND	U	0.0284	5.26		0.285	ND	U	0.0283	ND	U	0.0283	0.097		0.0289	ND	U	0.0292	0.217		0.0282
	1,2-DICHLOROBENZENE	N/A	N/A	600	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	20	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,2-DICHLOROETHANE	10	N/A	5	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	20	ND	UJ	1	1.14		1	ND	U	1	ND	U	1
	1,2-DICHLOROPROPANE	N/A	N/A	5	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	20	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,3,5-TRIMETHYLBENZENE	N/A	N/A	N/A	ND	U	1	86.1		50	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	23.5		1	44.8		20	ND	U	1	9.95		1	ND	U	1	0.422	J	1
	1,3-DICHLOROBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	20	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,3-DICHLOROPROPANE	N/A	N/A	N/A	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	20	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,4-DICHLOROBENZENE	N/A	N/A	75	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	20	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	2,2-DICHLOROPROPANE	N/A	N/A	N/A	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	20	ND	UJ	1	ND	U	1	ND	U	1	ND	U	1
	2-BUTANONE	N/A	N/A	N/A	ND	U	10	341	J	500	ND	U	10	ND	U	10	ND	U	10	ND	U	10	ND	U	10	2.91	J	10	ND	U	200	ND	UJ	10	ND	U	10	ND	U	10	ND	U	10
	2-CHLOROTOLUENE	N/A	N/A	N/A	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	20	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	2-HEXANONE	N/A	N/A	N/A	ND	U	5	348		250	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	5	6.1		5	ND	U	100	ND	UJ	5	ND	U	5	ND	U	5	ND	U	5
	4-CHLOROTOLUENE	N/A	N/A	N/A	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	20	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	4-METHYL-2-PENTANONE	N/A	N/A	N/A	ND	U	5	181	J	250	ND	UJ	5	ND	UJ	5	ND	UJ	5	ND	U	5	ND	U	5	ND	U	5	ND	U	100	ND	UJ	5	ND	U	5	ND	U	5	ND	U	5
	ACETONE	N/A	N/A	N/A	ND	U	10	1230		500	ND	U	10	ND	U	10	ND	U	10	ND	U	10	ND	U	10	20.2		10	51.6	J+	200	ND	U	10	13.9		10	ND	U	10	ND	U	10
	BENZENE	10	N/A	5	ND	U	1	5280		50	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	65.4		1	1230		20	ND	U	1	12.3		1	ND	U	1	0.748	J	1
	BROMOBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	20	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	BROMOCHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	20	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	BROMODICHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	50	ND	UJ	1	ND	UJ	1	ND	UJ	1	ND	U	1	ND	U	1	ND	U	1	ND	U	20	ND	UJ	1	ND	U	1	ND	U	1	ND	U	1
	BROMOFORM	N/A	N/A	N/A	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	20	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	BROMOMETHANE	N/A	N/A	N/A	ND	U	2	ND	U	100	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	40	ND	UJ	2	ND	U	2	ND	U	2	ND	U	2
	CARBON DISULFIDE	N/A	N/A	N/A	ND	UJ	1	ND	U	50	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	20	ND	UJ	1	ND	U	1	ND	U	1	ND	U	1
	CARBON TETRACHLORIDE	10	N/A	5	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	20	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	CHLOROBENZENE	N/A	N/A	100	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	20	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	CHLOROETHANE	N/A	N/A	N/A	ND	U	2	ND	U	100	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	40	ND	U	2	ND	U	2	ND	U	2	ND	U	2
	CHLOROFORM	100	N/A	100	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	20	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	CHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	1	ND	U	1	0.452	J	1	ND	UJ	1	ND	U	20	ND	U	1	ND	U	1	ND	U	1	ND	UJ	1
	CIS-1,2-DICHLOROETHENE	N/A	N/A	70	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	20	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	CIS-1,3-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	20	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	DIBROMOCHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	20	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	DIBROMOMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	20	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	DICHLORODIFLUOROMETHANE	N/A	N/A	N/A	ND	U	2	ND	U	100	ND	UJ	2	ND	UJ	2	ND	UJ	2	ND	U	2	0.945	J	2	0.624	J	2	ND	U	40	ND	UJ	2	ND	U	2	ND	U	2	1.06	J	2
	ETHYLBENZENE	750	N/A	700	ND	U	1	1040		50	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	57.7		1	79.5		20	ND	U	1	113		1	ND	U	1	0.667	J	1
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	20	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	ISOPROPYLBENZENE	N/A	N/A	N/A	ND	U	1	76.8		50	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	14.3		1	50.9		20	ND	U	1	13.6		1	ND	U	1	0.341	J	1
	METHYL TERT-BUTYL ETHER	N/A	N/A	N/A	ND	UJ	1	ND	U	50	ND	UJ	1	ND	UJ	1	ND	UJ	1	ND	U	1	ND	U	1	ND	U	1	ND	U	20	ND	UJ	1	ND	U	1	ND	U	1	ND	U	1
	METHYLENE CHLORIDE	100	N/A	5	ND	U	2	ND	U	100	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	40	ND	U	2	ND	U	2	ND	U	2	ND	U	2
	NAPHTHALENE	N/A	N/A	30	ND	U	1	154		50	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	20.7		1	50.8		20	ND	UJ	1	5.2		1	ND	U	1	0.897	J	1
	N-BUTYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	5.53		1	ND	U	20	ND	U	1	0.855	J	1	ND	U	1	ND	U	1
	N-PROPYLBENZENE	N/A	N/A	N/A	ND	U	1	70.4		50	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	12.6		1	14.2	J	20	ND	U	1	6.44		1	ND	U	1	ND	U	1
	P-ISOPROPYLTOLUENE	N/A	N/A	N/A	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	6.63		1	24.3		20	ND	U	1	0.745	J	1	ND	U	1	ND	U	1
	SEC-BUTYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	5.23		1	12.7	J	20	ND	U	1	1.1		1	ND	U	1	ND	U	1
	STYRENE	N/A	N/A	100	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	20	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	TERT-BUTYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	20	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	TETRACHLOROETHENE	N/A	N/A	5	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	1	ND	U	1	0.39	J	1	0.406	J	1	ND	U	20	ND	U	1	ND	U	1	ND	U	1	0.336	J	1
	TOLUENE	750	N/A	750	0.806	J	1	9610		50	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	267		1	ND	U	20	ND	U	1	ND	U	1	ND	U	1	5.53		1
	TRANS-1,2-DICHLOROETHENE	N/A	N/A	100	ND	UJ	1	ND	U	50	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	20	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	TRANS-1,3-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	20	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	TRICHLOROETHENE	N/A	N/A	5	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	1	ND	U	1	0.65	J	1	ND	U	1	ND	U	20	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	TRICHLOROFLUOROMETHANE	N/A	N/A	N/A	ND	U	2	ND	U	100	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	40	ND	UJ	2	ND	U	2	ND	U	2	ND	U	2
	VINYL CHLORIDE	1	N/A	1	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	20	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	XYLENES	620	N/A	10000	ND	U	3	3690		150	ND	U	3	ND	U	3	ND	U	3	ND	U	3	ND	U	3	234		3	322		60	ND	U	3	41.1		3	ND	U	3	5.21		3

Table 5-1
Groundwater Analyitcal Results
October - December 2011

				LOCATION CODE	KAFB-106058			KAFB-106059			KAFB-106060			KAFB-106060			KAFB-106061			KAFB-106062		
				SAMPLE NO	GW0313			GW0314			GW0315			GW0316			GW0317			GW0318		
				SAMPLE DATE	5-Oct-11			20-Dec-11			25-Oct-11			25-Oct-11			25-Oct-11			9-Nov-11		
				SAMPLE PURPOSE	REG			REG			REG			FD			REG			REG		
				SAMPLE DEPTH	512-526 FT			483-503 FT			503-518 FT			503-518 FT			573-588 FT			576-590 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec 20.6.2.3103)[d]	NMED Approved Background[b]	EPA MCLs[c,d]	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
SVOCs (µg/L)	1,1-BIPHENYL	N/A	N/A	N/A	ND	U	4.67	ND	U	47.2	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.72
Method 8270C	1,2-DIPHENYLHYDRAZINE	N/A	N/A	N/A	ND	U	4.67	ND	U	47.2	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.72
	2,4,5-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.67	ND	U	47.2	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.72
	2,4,6-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.67	ND	U	47.2	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.72
	2,4-DICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.67	ND	U	47.2	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.72
	2,4-DIMETHYLPHENOL	N/A	N/A	N/A	ND	U	18.7	ND	U	189	ND	U	18.9	ND	U	20	ND	U	19.6	ND	U	18.9
	2,4-DINITROPHENOL	N/A	N/A	N/A	ND	UJ	46.7	ND	U	472	ND	UJ	47.2	ND	UJ	50	ND	UJ	49	ND	U	47.2
	2,4-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.67	ND	U	47.2	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.72
	2,6-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.67	ND	U	47.2	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.72
	2-CHLORONAPHTHALENE	N/A	N/A	N/A	ND	U	4.67	ND	U	47.2	ND	UJ	4.72	ND	UJ	5	ND	UJ	4.9	ND	U	4.72
	2-CHLOROPHENOL	N/A	N/A	N/A	ND	U	4.67	ND	U	47.2	ND	U	4.72	ND	U	5	ND	UJ	4.9	ND	U	4.72
	2-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.67	93.7		47.2	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.72
	2-NITROANILINE	N/A	N/A	N/A	ND	U	18.7	ND	U	189	ND	U	18.9	ND	U	20	ND	U	19.6	ND	U	18.9
	2-NITROPHENOL	N/A	N/A	N/A	ND	U	4.67	ND	U	47.2	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.72
	3,3'-DICHLOROBENZIDINE	N/A	N/A	N/A	ND	U	4.67	ND	U	47.2	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.72
	3-METHYLPHENOL AND 4-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.67	ND	U	47.2	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.72
	3-NITROANILINE	N/A	N/A	N/A	ND	U	18.7	ND	U	189	ND	U	18.9	ND	U	20	ND	U	19.6	ND	U	18.9
	4,6-DINITRO-2-METHYLPHENOL	N/A	N/A	N/A	ND	UJ	18.7	ND	U	189	ND	U	18.9	ND	U	20	ND	U	19.6	ND	U	18.9
	4-BROMOPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.67	ND	U	47.2	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.72
	4-CHLORO-3-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.67	ND	U	47.2	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.72
	4-CHLOROANILINE	N/A	N/A	N/A	ND	U	4.67	ND	U	47.2	ND	UJ	4.72	ND	UJ	5	ND	U	4.9	ND	U	4.72
	4-CHLOROPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.67	ND	U	47.2	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.72
	4-NITROANILINE	N/A	N/A	N/A	ND	UJ	18.7	ND	U	189	ND	U	18.9	ND	U	20	ND	U	19.6	ND	U	18.9
	4-NITROPHENOL	N/A	N/A	N/A	ND	U	18.7	ND	U	189	ND	U	18.9	ND	U	20	ND	U	19.6	ND	U	18.9
	ACETOPHENONE	N/A	N/A	N/A	ND	U	4.67	5630		472	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.72
	ATRAZINE	N/A	N/A	N/A	ND	U	4.67	ND	U	47.2	ND	U	4.72	ND	U	5	ND	U	4.9	ND	UJ	4.72
	BENZALDEHYDE	N/A	N/A	N/A	ND	U	4.67	39.8	J-	47.2	ND	UJ	4.72	ND	UJ	5	ND	UJ	4.9	ND	UJ	4.72
	BENZIDINE	N/A	N/A	N/A	ND	U	46.7	ND	U	472	ND	U	47.2	ND	U	50	ND	U	49	ND	U	47.2
	BENZOIC ACID	N/A	N/A	N/A	ND	UJ	46.7	ND	U	472	ND	UJ	47.2	ND	UJ	50	ND	UJ	49	ND	U	47.2
	BIS(2-CHLOROETHOXY)METHANE	N/A	N/A	N/A	ND	U	4.67	ND	U	47.2	ND	UJ	4.72	ND	UJ	5	ND	UJ	4.9	ND	U	4.72
	BIS(2-CHLOROETHYL)ETHER	N/A	N/A	N/A	ND	U	4.67	ND	U	47.2	ND	UJ	4.72	ND	UJ	5	ND	UJ	4.9	ND	U	4.72
	BIS(2-CHLOROISOPROPYL)ETHER	N/A	N/A	N/A	ND	U	4.67	ND	U	47.2	ND	UJ	4.72	ND	UJ	5	ND	UJ	4.9	ND	U	4.72
	BIS(2-ETHYLHEXYL)PHTHALATE	N/A	N/A	N/A	ND	U	4.67	ND	U	47.2	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.72
	BUTYL BENZYL PHTHALATE	N/A	N/A	N/A	ND	U	4.67	ND	U	47.2	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.72
	CAPROLACTAM	N/A	N/A	N/A	ND	UJ	4.67	ND	UJ	47.2	ND	UJ	4.72	ND	UJ	5	ND	UJ	4.9	ND	UJ	4.72
	CARBAZOLE	N/A	N/A	N/A	ND	U	4.67	ND	U	47.2	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.72
	DIBENZOFURAN	N/A	N/A	N/A	ND	U	4.67	ND	U	47.2	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.72
	DIETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.67	17.4	J	47.2	ND	UJ	4.72	ND	UJ	5	ND	UJ	4.9	ND	U	4.72
	DIMETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.67	ND	U	47.2	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.72
	DI-N-BUTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.67	ND	U	47.2	ND	UJ	4.72	ND	UJ	5	ND	UJ	4.9	ND	U	4.72
	DI-N-OCTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.67	ND	U	47.2	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.72
	HEXACHLOROBENZENE	N/A	N/A	N/A	ND	U	4.67	ND	U	47.2	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.72
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	4.67	ND	U	47.2	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.72
	HEXACHLOROCYCLOPENTADIENE	N/A	N/A	N/A	ND	U	4.67	ND	U	47.2	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.72
	HEXACHLOROETHANE	N/A	N/A	N/A	ND	UJ	4.67	ND	U	47.2	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.72
	ISOPHORONE	N/A	N/A	N/A	ND	U	4.67	ND	U	47.2	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.72
	NITROBENZENE	N/A	N/A	N/A	ND	U	4.67	ND	U	47.2	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.72
	N-NITROSO-DI-N-PROPYLAMINE	N/A	N/A	N/A	ND	U	4.67	ND	U	47.2	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.72
	N-NITROSODIPHENYLAMINE	N/A	N/A	N/A	ND	U	4.67	ND	U	47.2	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.72
	PENTACHLOROPHENOL	N/A	N/A	N/A	ND	U	18.7	ND	U	189	ND	U	18.9	ND	U	20	ND	U	19.6	ND	U	18.9
	PHENOL	N/A	N/A	5	ND	U	4.67	ND	U	47.2	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.72
PAHs (µg/L)	1-METHYL NAPHTHALENE	N/A	N/A	30	ND	U	4.67	20.7	J	47.2	ND	UJ	4.72	ND	UJ	5	ND	UJ	4.9	ND	U	4.72
Method 8270C	2-METHYLNAPHTHALENE	N/A	N/A	30	ND	U	4.67	24.4	J	47.2	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.72
	ACENAPHTHENE	N/A	N/A	N/A	ND	U	4.67	ND	U	47.2	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.72
	ACENAPHTHYLENE	N/A	N/A	N/A	ND	U	4.67	ND	U	47.2	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.72
	ANTHRACENE	N/A	N/A	N/A	ND	U	4.67	ND	U	47.2	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.72
	BENZO(A)ANTHRACENE	N/A	N/A	N/A	ND	U	4.67	ND	U	47.2	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.72
	BENZO(A)PYRENE	0.7	N/A	0.2	ND	U	4.67	ND	U	47.2	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.72
	BENZO(B)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.67	ND	U	47.2	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.72
	BENZO(GHI)PERYLENE	N/A	N/A	N/A	ND	U	4.67	ND	U	47.2	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.72
	BENZO(K)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.67	ND	U	47.2	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.72
	CHRYSENE	N/A	N/A	N/A	ND	U	4.67	ND	U	47.2	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.72
	DIBENZO(A,H)ANTHRACENE	N/A	N/A	N/A	ND	U	4.67	ND	U	47.2	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.72
	FLUORANTHENE	N/A	N/A	N/A	ND	U	4.67	ND	U	47.2	ND	UJ	4.72	ND	UJ	5	ND	UJ	4.9	ND	U	4.72
	FLUORENE	N/A	N/A	N/A	ND	U	4.67	ND	U	47.2	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.72
	INDENO(1,2,3-CD)PYRENE	N/A	N/A	N/A	ND	U	4.67	ND	U	47.2	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.72
	NAPHTHALENE	N/A	N/A	30	ND	U	4.67	85		47.2	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.72
	PHENANTHRENE	N/A	N/A	N/A	ND	U	4.67	ND	U	47.2	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.72
	PYRENE	N/A	N/A	N/A	ND	U	4.67	ND	U	47.2	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.72
PAHs (µg/L)	1-METHYL NAPHTHALENE	N/A	N/A	30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Method 8270C	2-METHYLNAPHTHALENE	N/A	N/A	30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Low detection limit	ACENAPHTHENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	ACENAPHTHYLENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	ANTHRACENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(A)ANTHRACENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(A)PYRENE	0.7	N/A	0.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(B)FLUORANTHENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(GHI)PERYLENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(K)FLUORANTHENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	CHRYSENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	DIBENZO(A,H)ANTHRACENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	FLUORANTHENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	FLUORENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	INDENO(1,2,3-CD)PYRENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	NAPHTHALENE	N/A	N/A	30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	PHENANTHRENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	PYRENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

LOCATION CODE	KAFB-106063			KAFB-106064			KAFB-106065			KAFB-106066			KAFB-106067			KAFB-106068			KAFB-106069		
SAMPLE NO	GW0319			GW0320			GW0323			GW0322			GW0324			GW0325			GW0326		
SAMPLE DATE	9-Nov-11			15-Dec-11			1-Nov-11			1-Nov-11			3-Nov-11			3-Nov-11			14-Dec-11		
SAMPLE PURPOSE	REG			REG			REG			REG			REG			REG			REG		
SAMPLE DEPTH	505-520 FT			485-505 FT			508-523 FT			576-591 FT			485-505 FT			580-595 FT			506-521 FT		
Parameter	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
1,1-BIPHENYL	ND	U	4.72	ND	U	4.9	ND	U	49	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	4.9
1,2-DIPHENYLHYDRAZINE	ND	U	4.72	ND	U	4.9	ND	U	49	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	4.9
2,4,5-TRICHLOROPHENOL	ND	U	4.72	ND	U	4.9	ND	U	49	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	4.9
2,4,6-TRICHLOROPHENOL	ND	U	4.72	ND	U	4.9	ND	U	49	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	4.9
2,4-DICHLOROPHENOL	ND	U	4.72	ND	U	4.9	ND	U	49	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	4.9
2,4-DIMETHYLPHENOL	ND	U	18.9	ND	U	19.6	ND	U	196	ND	U	19.2	ND	U	18.9	ND	U	20	ND	U	19.6
2,4-DINITROPHENOL	ND	U	47.2	ND	U	49	ND	U	490	ND	U	48.1	ND	U	47.2	ND	U	50	ND	U	49
2,4-DINITROTOLUENE	ND	U	4.72	ND	U	4.9	ND	U	49	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	4.9
2,6-DINITROTOLUENE	ND	U	4.72	ND	U	4.9	ND	U	49	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	4.9
2-CHLORONAPHTHALENE	ND	U	4.72	ND	U	4.9	ND	U	49	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	4.9
2-CHLOROPHENOL	ND	U	4.72	ND	U	4.9	ND	U	49	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	4.9
2-METHYLPHENOL	ND	U	4.72	ND	UJ	4.9	ND	U	49	ND	U	4.81	ND	U	4.72	ND	U	5	ND	UJ	4.9
2-NITROANILINE	ND	U	18.9	ND	U	19.6	ND	U	196	ND	U	19.2	ND	U	18.9	ND	U	20	ND	U	19.6
2-NITROPHENOL	ND	U	4.72	ND	U	4.9	ND	U	49	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	4.9
3,3'-DICHLOROBENZIDINE	ND	U	4.72	ND	U	4.9	ND	U	49	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	4.9
3-METHYLPHENOL AND 4-METHYLPHENOL	ND	U	4.72	ND	U	4.9	ND	U	49	ND	U	4.81	1.86	J	4.72	ND	U	5	ND	U	4.9
3-NITROANILINE	ND	U	18.9	ND	U	19.6	ND	U	196	ND	U	19.2	ND	U	18.9	ND	U	20	ND	U	19.6
4,6-DINITRO-2-METHYLPHENOL	ND	U	18.9	ND	U	19.6	ND	U	196	ND	U	19.2	ND	U	18.9	ND	U	20	ND	U	19.6
4-BROMOPHENYL PHENYL ETHER	ND	U	4.72	ND	U	4.9	ND	U	49	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	4.9
4-CHLORO-3-METHYLPHENOL	ND	U	4.72	ND	U	4.9	ND	U	49	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	4.9
4-CHLOROANILINE	ND	U	4.72	ND	U	4.9	ND	U	49	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	4.9
4-CHLOROPHENYL PHENYL ETHER	ND	U	4.72	ND	U	4.9	ND	U	49	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	4.9
4-NITROANILINE	ND	U	18.9	ND	U	19.6	ND	U	196	ND	U	19.2	ND	U	18.9	ND	U	20	ND	U	19.6
4-NITROPHENOL	ND	U	18.9	ND	U	19.6	ND	U	196	ND	U	19.2	ND	U	18.9	ND	U	20	ND	U	19.6
ACETOPHENONE	ND	U	4.72	23.2		4.9	12.5	J	49	ND	U	4.81	1.76	J	4.72	ND	U	5	ND	U	4.9
ATRAZINE	ND	UJ	4.72	ND	U	4.9	ND	U	49	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	4.9
BENZALDEHYDE	ND	UJ	4.72	ND	UJ	4.9	ND	UJ	49	ND	UJ	4.81	ND	UJ	4.72	ND	UJ	5	ND	UJ	4.9
BENZIDINE	ND	U	47.2	ND	U	49	ND	U	490	ND	U	48.1	ND	U	47.2	ND	U	50	ND	U	49
BENZOIC ACID	ND	U	47.2	ND	U	49	ND	U	490	ND	U	48.1	ND	U	47.2	ND	U	50	ND	U	49
BIS(2-CHLOROETHOXY)METHANE	ND	U	4.72	ND	U	4.9	ND	U	49	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	4.9
BIS(2-CHLOROETHYL)ETHER	ND	U	4.72	ND	U	4.9	ND	U	49	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	4.9
BIS(2-CHLOROISOPROPYL)ETHER	ND	U	4.72	ND	U	4.9	ND	U	49	ND	UJ	4.81	ND	U	4.72	ND	U	5	ND	U	4.9
BIS(2-ETHYLHEXYL)PHTHALATE	ND	U	4.72	ND	U	4.9	ND	U	49	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	4.9
BUTYL BENZYL PHTHALATE	ND	U	4.72	ND	U	4.9	ND	U	49	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	4.9
CAPROLACTAM	ND	UJ	4.72	8.52	J-	4.9	ND	UJ	49	ND	UJ	4.81	6.19	J-	4.72	ND	UJ	5	ND	UJ	4.9
CARBAZOLE	ND	U	4.72	ND	U	4.9	ND	U	49	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	4.9
DIBENZOFURAN	ND	U	4.72	ND	U	4.9	ND	U	49	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	4.9
DIETHYL PHTHALATE	ND	U	4.72	ND	U	4.9	ND	U	49	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	4.9
DIMETHYL PHTHALATE	ND	U	4.72	ND	U	4.9	ND	U	49	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	4.9
DI-N-BUTYL PHTHALATE	ND	U	4.72	ND	U	4.9	ND	U	49	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	4.9
DI-N-OCTYL PHTHALATE	ND	U	4.72	ND	U	4.9	ND	U	49	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	4.9
HEXACHLOROBENZENE	ND	U	4.72	ND	U	4.9	ND	U	49	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	4.9
HEXACHLOROBUTADIENE	ND	U	4.72	ND	U	4.9	ND	U	49	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	4.9
HEXACHLOROCYCLOPENTADIENE	ND	U	4.72	ND	U	4.9	ND	U	49	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	4.9
HEXACHLOROETHANE	ND	U	4.72	ND	U	4.9	ND	U	49	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	4.9
ISOPHORONE	ND	U	4.72	ND	U	4.9	ND	U	49	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	4.9
NITROBENZENE	ND	U	4.72	ND	U	4.9	ND	U	49	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	4.9
N-NITROSO-DI-N-PROPYLAMINE	ND	U	4.72	ND	U	4.9	ND	U	49	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	4.9
N-NITROSODIPHENYLAMINE	ND	U	4.72	ND	U	4.9	ND	U	49	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	4.9
PENTACHLOROPHENOL	ND	U	18.9	ND	U	19.6	ND	U	196	ND	U	19.2	ND	U	18.9	ND	U	20	ND	U	19.6
PHENOL	ND	U	4.72	ND	U	4.9	ND	U	49	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	4.9
1-METHYL NAPHTHALENE	ND	U	4.72	5.33		4.9	ND	U	49	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	4.9
2-METHYLNAPHTHALENE	ND	U	4.72	4.78	J	4.9	ND	U	49	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	4.9
ACENAPHTHENE	ND	U	4.72	ND	U	4.9	ND	U	49	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	4.9
ACENAPHTHYLENE	ND	U	4.72	ND	U	4.9	ND	U	49	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	4.9
ANTHRACENE	ND	U	4.72	ND	U	4.9	ND	U	49	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	4.9
BENZO(A)ANTHRACENE	ND	U	4.72	ND	U	4.9	ND	U	49	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	4.9
BENZO(A)PYRENE	ND	U	4.72	ND	U	4.9	ND	U	49	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	4.9
BENZO(B)FLUORANTHENE	ND	U	4.72	ND	U	4.9	ND	U	49	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	4.9
BENZO(GHI)PERYLENE	ND	U	4.72	ND	U	4.9	ND	U	49	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	4.9
BENZO(K)FLUORANTHENE	ND	U	4.72	ND	U	4.9	ND	U	49	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	4.9
CHRYSENE	ND	U	4.72	ND	U	4.9	ND	U	49	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	4.9
DIBENZO(A,H)ANTHRACENE	ND	U	4.72	ND	U	4.9	ND	U	49	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	4.9
FLUORANTHENE	ND	U	4.72	ND	U	4.9	ND	U	49	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	4.9
FLUORENE	ND	U	4.72	ND	U	4.9	ND	U	49	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	4.9
INDENO(1,2,3-CD)PYRENE	ND	U	4.72	ND	U	4.9	ND	U	49	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	4.9
NAPHTHALENE	ND	U	4.72	8.23		4.9	24.4	J	49	ND	U	4.81	3.49	J	4.72	ND	U	5	ND	U	4.9
PHENANTHRENE	ND	U	4.72	ND	U	4.9	ND	U	49	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	4.9
PYRENE	ND	U	4.72	ND	U	4.9	ND	U	49	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	4.9
1-METHYL NAPHTHALENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2-METHYLNAPHTHALENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ACENAPHTHENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ACENAPHTHYLENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ANTHRACENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
BENZO(A)ANTHRACENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
BENZO(A)PYRENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
BENZO(B)FLUORANTHENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
BENZO(GHI)PERYLENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
BENZO(K)FLUORANTHENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHRYSENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DIBENZO(A,H)ANTHRACENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FLUORANTHENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FLUORENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
INDENO(1,2,3-CD)PYRENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NAPHTHALENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PHENANTHRENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PYRENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table 5-1
Groundwater Analyitcal Results
October - December 2011

			LOCATION CODE	KAFB-106058			KAFB-106059			KAFB-106060			KAFB-106060			KAFB-106061			KAFB-106062			KAFB-106063			KAFB-106064			KAFB-106065			KAFB-106066			KAFB-106067			KAFB-106068			KAFB-106069		
			SAMPLE NO	GW0313			GW0314			GW0315			GW0316			GW0317			GW0318			GW0319			GW0320			GW0323			GW0322			GW0324			GW0325			GW0326		
			SAMPLE DATE	5-Oct-11			20-Dec-11			25-Oct-11			25-Oct-11			25-Oct-11			9-Nov-11			9-Nov-11			15-Dec-11			1-Nov-11			1-Nov-11			3-Nov-11			3-Nov-11			14-Dec-11		
			SAMPLE PURPOSE	REG			REG			REG			FD			REG			REG			REG			REG			REG			REG			REG			REG			REG		
			SAMPLE DEPTH	512-526 FT			483-503 FT			503-518 FT			503-518 FT			573-588 FT			576-590 FT			505-520 FT			485-505 FT			508-523 FT			576-591 FT			485-505 FT			580-595 FT			506-521 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec 20.6.2.3103)[b]	NMED Approved Background[c]	EPA MCLs[c,d]	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
Metals (mg/L)	CALCIUM	N/A	N/A	N/A	37.2		5	81.3		5	42.9		5	43.3		5	33		5	33.9		5	45.4		5	59		5	107		5	37.4		5	70.3		5	36.5		5	44.9		5
Method 6010B	IRON, DISSOLVED	1	N/A	0.3	ND	U	0.1	1.12		0.1	ND	U	0.1	ND	U	0.1	ND	U	0.1	ND	U	0.1	ND	U	0.1	0.112	J+	0.1	3.7		0.1	ND	U	0.1	0.763		0.1	ND	U	0.1	ND	U	0.1
	LEAD	0.05	0.01	0.015	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003
	MAGNESIUM	N/A	N/A	N/A	5.13		5	12		5	5.81		5	5.85		5	4.43	J	5	4.68	J	5	6.3		5	8.31		5	16.4		5	4.99	J	5	9.99		5	4.78	J	5	5.99		5
	MANGANESE, DISSOLVED	0.2	N/A	0.05	0.0043	J	0.015	1.51		0.015	0.00544	J	0.015	0.00524	J	0.015	ND	U	0.015	ND	U	0.015	ND	U	0.015	0.393		0.015	3.03		0.015	ND	U	0.015	0.924		0.015	ND	U	0.015	0.00506	J	0.015
	POTASSIUM	N/A	N/A	N/A	2.29	J	5	3.21	J	5	2.41	J	5	2.46	J	5	2.02	J	5	1.92	J	5	2.33	J	5	2.74	J	5	3.63	J	5	2.24	J	5	2.92	J	5	2.08	J	5	2.32	J	5
	SODIUM	N/A	N/A	N/A	23.4		5	32		5	24.9		5	25.2		5	22.1		5	21.2		5	24.9		5	30.6		5	44.1		5	24.1		5	31.2		5	22.5		5	25.6		5
Anions (mg/L)	AMMONIA (AS N) (Method 4500NH3BG)	N/A	N/A	N/A	ND	U	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3
Method E300.0	CHLORIDE	250	N/A	250	11.4		10	25.1		0.5	12.9		1	12.7		1	6.3		1	7.78	J+	2.5	13.5	J+	2.5	13.2		0.5	81.2		25	8.13		2.5	12.4		2.5	9.08		2.5	11.8		0.5
	NITROGEN, NITRATE-NITRITE (Method E353.2)	N/A	4	N/A	ND	U	1.5	ND	U	1.5	0.452	J	1.5	0.469	J	1.5	ND	U	1.5	ND	U	1.5	0.636	J	1.5	ND	U	1.5	ND	U	1.5	ND	U	1.5	ND	U	1.5	ND	U	1.5	0.542	J	1.5
	SULFATE	600	N/A	250	31.5		20	51.7		2	31.8		2	31.3		2	25.1		2	29.3		2.5	36.5		2.5	24.9		2	96.9		25	29.7		2.5	21.7		2.5	31.7		5	34.2		2
	SULFIDE, TOTAL (Method 4500SC2F)	N/A	N/A	N/A	ND	U	3.39	0.768	J-	3.7	ND	U	3.7	ND	U	3.7	ND	U	3.7	ND	U	3.7	ND	U	3.7	0.828	J	3.45	ND	U	3.7	ND	U	3.57	ND	U	3.7	ND	U	3.64	0.828	J	3.45
Alkalinity (mg/L)	ALKALINITY, BICARBONATE (AS CACO3)	N/A	N/A	N/A	109		1	177		1	98.5		1	98.9		1	96.8		1	106		1	117		1	161		1	216		1	109		1	229		1	103		1	113		1
Method SM2320B	ALKALINITY, CARBONATE (AS CACO3)	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
Field Parameters	Temperature (°C)	N/A	N/A	N/A	18.85			17.91			19.36			19.36			19.18			18.39			18.88			17.73			18.45			18.49			18.48			18.91			17.65		
	pH (S.U.)	N/A	N/A	N/A	7.67			7.02			7.83			7.83			7.87			7.80			7.73			7.35			7.17			7.77			7.38			7.82			7.57		
	Spec Cond (µS/cm2)	N/A	N/A	N/A	313.6			571.5			334.5			334.5			277.0			289.7			361.3			441.1			830.3			299.2			512.4			299.8			338.3		
	DO (mg/L)	N/A	N/A	N/A	7.60			1.02			11.38			11.38			4.23			5.53			8.54			0.89			0.01			11.49			0.64			17.23			2.97		
	ORP (mV)	N/A	N/A	N/A	154			0			160			160			127			229			635			-129			-149			93			-82			167			186		
	Turbidity (NTU)	N/A	N/A	N/A	5.12			1.84			0.77			0.77			1.00			1.00			0.78			0.89			1.29			2.85			1.63			2.35			0.38		
	Alkalinity (mg/L as CaCO3)	N/A	N/A	N/A	110			206			110			110			102			116			144			173			202			120			248			122			122		

The NMWQCC standard and EPA MCL for m,p- xylene and o-xylene is for total xylenes.

a EPA analytical methods listed are for the most recent sampling event.

b NMED-HWB Approved Background Concentrations, SNL/Kirtland AFB, Chemical Constituents in Ground Water.
Concentrations exceeding background are shown in italics, if applicable.

c EPA National Primary Drinking Water Standards - Maximum Contaminant Levels (MCLs), or if more stringent,
New Mexico Water Quality Control Commission (WQCC) Regulations as denoted by "*".
Concentrations exceeding standards are **BOLD**.

d The WQCC regulation for PAHs of 30 ug/L is a total of the concentrations of naphthalene,
1-methylnaphthalene, and 2-methylnaphthalene.

Shading indicates the analyte was detected.

Bold indicated analyte detected greater than regulatory standard

J = estimated value, concentration is less than RL but greater than laboratory method detection limit (MDL).

J+ = estimated value, concentration is less than RL but greater than laboratory method detection limit (MDL); biased high.

J- = estimated value, concentration is less than RL but greater than laboratory method detection limit (MDL); biased high.

U = Analyte was not detected. The reported numerical value is at or below the RL.

UJ = Analyte was *tentatively* not detected. The reported numerical value is at or below the RL.

N/A = Not applicable

ND = Not detected

NM = Not measured due to equipment malfunction.

NR = Not recorded or reported due to operational error

NR-EF = Not recorded due to equipment malfunction or failure

R = sample data rejected due to site contamination

Table 5-1
Groundwater Analyitcal Results
October - December 2011

					LOCATION CODE			KAFB-106070			KAFB-106071			KAFB-106071			KAFB-106072			KAFB-106073		
					SAMPLE NO			GW0327			GW0328			GW0329			GW0330			GW0331		
					SAMPLE DATE			8-Nov-11			8-Nov-11			8-Nov-11			7-Nov-11			14-Nov-11		
					SAMPLE PURPOSE			REG			REG			FD			REG			REG		
					SAMPLE DEPTH			460-480 FT			548-563 FT			548-563 FT			475-495 FT			500-515 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[b]	NMED Approved Background[b]	EPA MCLs[c,d]	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
TPH (µg/L)	DIESEL RANGE ORGANICS	N/A	N/A	N/A	572		93.5	ND	U	94.3	ND	U	94.3	ND	U	94.3	1690		100	ND	U	94.3
Method 8015B	GASOLINE RANGE ORGANICS	N/A	N/A	N/A	ND	U	150	ND	U	150	ND	U	150	ND	U	150	336		150	ND	U	150
VOCs (µg/L)	1,1,1,2-TETRACHLOROETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
Method 8260B	1,1,1-TRICHLOROETHANE	60	N/A	60	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,1,2,2-TETRACHLOROETHANE	10	N/A	10	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,1,2-TRICHLOROETHANE	100	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,1-DICHLOROETHANE	25	N/A	25	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,1-DICHLOROETHENE	5	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,1-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,2,3-TRICHLOROBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,2,3-TRICHLOROPROPANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2
	1,2,4-TRICHLOROBENZENE	N/A	N/A	70	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,2,4-TRIMETHYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,2-DIBROMO-3-CHLOROPROPANE	N/A	N/A	0.2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2
	1,2-DIBROMOETHANE	0.1	N/A	0.05	ND	U	1	ND	U	1	ND	U	1	ND	U	1	1.36		1	ND	U	1
	1,2-DIBROMOETHANE (Method 8011)	0.1	N/A	0.05	0.0618		0.0284	ND	U	0.0282	ND	U	0.028	1.14		0.0566	0.0531		0.0283			
	1,2-DICHLOROBENZENE	N/A	N/A	600	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,2-DICHLOROETHANE	10	N/A	5	1.78		1	ND	U	1	ND	U	1	2.06		1	ND	U	1	ND	U	1
	1,2-DICHLOROPROPANE	N/A	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,3,5-TRIMETHYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	1.58		1	ND	U	1	ND	U	1
	1,3-DICHLOROBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,3-DICHLOROPROPANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,4-DICHLOROBENZENE	N/A	N/A	75	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	2,2-DICHLOROPROPANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	2-BUTANONE	N/A	N/A	N/A	ND	U	10	ND	U	10	ND	U	10	ND	U	10	ND	U	10	ND	U	10
	2-CHLOROTOLUENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	2-HEXANONE	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	5
	4-CHLOROTOLUENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	4-METHYL-2-PENTANONE	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	5
	ACETONE	N/A	N/A	N/A	10.4		10	ND	U	10	ND	U	10	5.9	J	10	ND	U	10	ND	U	10
	BENZENE	10	N/A	5	ND	U	1	ND	U	1	ND	U	1	1.58		1	ND	U	1	ND	U	1
	BROMOBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	BROMOCHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	BROMODICHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	BROMOFORM	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	BROMOMETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2
	CARBON DISULFIDE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	CARBON TETRACHLORIDE	10	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	CHLOROBENZENE	N/A	N/A	100	ND	U	1	ND	U	1	ND	U	1	1.38		1	ND	U	1	ND	U	1
	CHLOROETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2
	CHLOROFORM	100	N/A	100	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	CHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	CIS-1,2-DICHLOROETHENE	N/A	N/A	70	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	CIS-1,3-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	DIBROMOCHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	DIBROMOMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	DICHLORODIFLUOROMETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2
	ETHYLBENZENE	750	N/A	700	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	UJ	1
	ISOPROPYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	2.54		1	ND	U	1	ND	U	1
	METHYL TERT-BUTYL ETHER	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	METHYLENE CHLORIDE	100	N/A	5	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2
	NAPHTHALENE	N/A	N/A	30	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	N-BUTYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	N-PROPYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	0.494	J	1	ND	U	1	ND	U	1
	P-ISOPROPYLTOLUENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	0.449	J	1	ND	U	1	ND	U	1
	SEC-BUTYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	0.286	J	1	ND	U	1	ND	U	1
	STYRENE	N/A	N/A	100	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	TERT-BUTYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	TETRACHLOROETHENE	N/A	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	TOLUENE	750	N/A	750	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	TRANS-1,2-DICHLOROETHENE	N/A	N/A	100	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	TRANS-1,3-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	TRICHLOROETHENE	N/A	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	TRICHLOROFLUOROMETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2
	VINYL CHLORIDE	1	N/A	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	XYLENES	620	N/A	10000	ND	U	3	ND	U	3	ND	U	3	ND	U	3	ND	U	3	ND	U	3

Table 5-1
Groundwater Analyitcal Results
October - December 2011

			LOCATION CODE	KAFB-106070			KAFB-106071			KAFB-106071			KAFB-106072			KAFB-106073		
			SAMPLE NO	GW0327			GW0328			GW0329			GW0330			GW0331		
			SAMPLE DATE	8-Nov-11			8-Nov-11			8-Nov-11			7-Nov-11			14-Nov-11		
			SAMPLE PURPOSE	REG			REG			FD			REG			REG		
			SAMPLE DEPTH	460-480 FT			548-563 FT			548-563 FT			475-495 FT			500-515 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[a]	NMED Approved Background[b]	EPA MCLs[c,d]	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
SVOCs (µg/L)	1,1-BIPHENYL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.67	ND	U	24	ND	U	4.72
Method 8270C	1,2-DIPHENYLHYDRAZINE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.67	ND	U	24	ND	U	4.72
	2,4,5-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.67	ND	U	24	ND	U	4.72
	2,4,6-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.67	ND	U	24	ND	U	4.72
	2,4-DICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.67	ND	U	24	ND	U	4.72
	2,4-DIMETHYLPHENOL	N/A	N/A	N/A	ND	U	19.6	ND	U	18.9	ND	U	18.7	ND	U	96.2	ND	U	18.9
	2,4-DINITROPHENOL	N/A	N/A	N/A	ND	U	49	ND	U	47.2	ND	U	46.7	ND	U	240	ND	U	47.2
	2,4-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.67	ND	U	24	ND	U	4.72
	2,6-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.67	ND	U	24	ND	U	4.72
	2-CHLORONAPHTHALENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.67	ND	U	24	ND	U	4.72
	2-CHLOROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.67	ND	U	24	ND	U	4.72
	2-METHYLPHENOL	N/A	N/A	N/A	ND	UJ	4.9	ND	U	4.72	ND	U	4.67	ND	UJ	24	ND	UJ	4.72
	2-NITROANILINE	N/A	N/A	N/A	ND	U	19.6	ND	U	18.9	ND	U	18.7	ND	U	96.2	ND	U	18.9
	2-NITROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.67	ND	U	24	ND	U	4.72
	3,3'-DICHLOROBENZIDINE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.67	ND	U	24	ND	U	4.72
	3-METHYLPHENOL AND 4-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.67	ND	U	24	ND	U	4.72
	3-NITROANILINE	N/A	N/A	N/A	ND	U	19.6	ND	U	18.9	ND	U	18.7	ND	U	96.2	ND	U	18.9
	4,6-DINITRO-2-METHYLPHENOL	N/A	N/A	N/A	ND	U	19.6	ND	U	18.9	ND	U	18.7	ND	U	96.2	ND	U	18.9
	4-BROMOPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.67	ND	U	24	ND	U	4.72
	4-CHLORO-3-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.67	ND	U	24	ND	U	4.72
	4-CHLOROANILINE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.67	ND	U	24	ND	U	4.72
	4-CHLOROPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.67	ND	U	24	ND	U	4.72
	4-NITROANILINE	N/A	N/A	N/A	ND	U	19.6	ND	U	18.9	ND	U	18.7	ND	U	96.2	ND	U	18.9
	4-NITROPHENOL	N/A	N/A	N/A	ND	U	19.6	ND	U	18.9	ND	U	18.7	ND	U	96.2	ND	U	18.9
	ACETOPHENONE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.67	ND	U	24	ND	U	4.72
	ATRAZINE	N/A	N/A	N/A	ND	U	4.9	ND	UJ	4.72	ND	UJ	4.67	ND	U	24	ND	U	4.72
	BENZALDEHYDE	N/A	N/A	N/A	ND	UJ	4.9	ND	UJ	4.72	ND	UJ	4.67	ND	UJ	24	ND	UJ	4.72
	BENZIDINE	N/A	N/A	N/A	ND	U	49	ND	U	47.2	ND	U	46.7	ND	U	240	ND	U	47.2
	BENZOIC ACID	N/A	N/A	N/A	ND	U	49	ND	U	47.2	ND	U	46.7	ND	U	240	ND	U	47.2
	BIS(2-CHLOROETHOXY)METHANE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.67	ND	U	24	ND	U	4.72
	BIS(2-CHLOROETHYL)ETHER	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.67	ND	U	24	ND	U	4.72
	BIS(2-CHLOROISOPROPYL)ETHER	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.67	ND	U	24	ND	UJ	4.72
	BIS(2-ETHYLHEXYL)PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.67	ND	U	24	ND	U	4.72
	BUTYL BENZYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.67	ND	U	24	ND	U	4.72
	CAPROLACTAM	N/A	N/A	N/A	ND	UJ	4.9	ND	UJ	4.72	ND	UJ	4.67	ND	UJ	24	ND	UJ	4.72
	CARBAZOLE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.67	ND	U	24	ND	U	4.72
	DIBENZOFURAN	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.67	ND	U	24	ND	U	4.72
	DIETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.67	ND	U	24	ND	U	4.72
	DIMETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.67	ND	U	24	ND	U	4.72
	DI-N-BUTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.67	ND	U	24	ND	U	4.72
	DI-N-OCTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.67	ND	U	24	ND	U	4.72
	HEXACHLOROBENZENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.67	ND	U	24	ND	U	4.72
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.67	ND	U	24	ND	U	4.72
	HEXACHLOROCYCLOPENTADIENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.67	ND	U	24	ND	U	4.72
	HEXACHLOROETHANE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.67	ND	U	24	ND	U	4.72
	ISOPHORONE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.67	ND	U	24	ND	U	4.72
	NITROBENZENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.67	ND	U	24	ND	U	4.72
	N-NITROSO-DI-N-PROPYLAMINE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.67	ND	U	24	ND	U	4.72
	N-NITROSODIPHENYLAMINE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.67	ND	U	24	ND	U	4.72
	PENTACHLOROPHENOL	N/A	N/A	N/A	ND	U	19.6	ND	U	18.9	ND	U	18.7	ND	U	96.2	ND	U	18.9
	PHENOL	N/A	N/A	5	ND	U	4.9	ND	U	4.72	ND	U	4.67	ND	U	24	ND	U	4.72
PAHs (µg/L)	1-METHYL NAPHTHALENE	N/A	N/A	30	ND	U	4.9	ND	U	4.72	ND	U	4.67	ND	U	24	ND	U	4.72
Method 8270C	2-METHYLNAPHTHALENE	N/A	N/A	30	ND	U	4.9	ND	U	4.72	ND	U	4.67	ND	U	24	ND	U	4.72
	ACENAPHTHENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.67	ND	U	24	ND	U	4.72
	ACENAPHTHYLENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.67	ND	U	24	ND	U	4.72
	ANTHRACENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.67	ND	U	24	ND	U	4.72
	BENZO(A)ANTHRACENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.67	ND	U	24	ND	U	4.72
	BENZO(A)PYRENE	0.7	N/A	0.2	ND	U	4.9	ND	U	4.72	ND	U	4.67	ND	U	24	ND	U	4.72
	BENZO(B)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.67	ND	U	24	ND	U	4.72
	BENZO(GHI)PERYLENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.67	ND	U	24	ND	U	4.72
	BENZO(K)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.67	ND	U	24	ND	U	4.72
	CHRYSENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.67	ND	U	24	ND	U	4.72
	DIBENZO(A,H)ANTHRACENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.67	ND	U	24	ND	U	4.72
	FLUORANTHENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.67	ND	U	24	ND	U	4.72
	FLUORENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.67	ND	U	24	ND	U	4.72
	INDENO(1,2,3-CD)PYRENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.67	ND	U	24	ND	U	4.72
	NAPHTHALENE	N/A	N/A	30	ND	U	4.9	ND	U	4.72	ND	U	4.67	ND	U	24	ND	U	4.72
	PHENANTHRENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.67	ND	U	24	ND	U	4.72
	PYRENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.67	ND	U	24	ND	U	4.72
PAHs (µg/L)	1-METHYL NAPHTHALENE	N/A	N/A	30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Method 8270C	2-METHYLNAPHTHALENE	N/A	N/A	30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Low detection limit	ACENAPHTHENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	ACENAPHTHYLENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	ANTHRACENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(A)ANTHRACENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(A)PYRENE	0.7	N/A	0.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(B)FLUORANTHENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(GHI)PERYLENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(K)FLUORANTHENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	CHRYSENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	DIBENZO(A,H)ANTHRACENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	FLUORANTHENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	FLUORENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	INDENO(1,2,3-CD)PYRENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	NAPHTHALENE	N/A	N/A	30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	PHENANTHRENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	PYRENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table 5-1
Groundwater Analyitcal Results
October - December 2011

			LOCATION CODE	KAFB-106070			KAFB-106071			KAFB-106071			KAFB-106072			KAFB-106073		
			SAMPLE NO	GW0327			GW0328			GW0329			GW0330			GW0331		
			SAMPLE DATE	8-Nov-11			8-Nov-11			8-Nov-11			7-Nov-11			14-Nov-11		
			SAMPLE PURPOSE	REG			REG			FD			REG			REG		
			SAMPLE DEPTH	460-480 FT			548-563 FT			548-563 FT			475-495 FT			500-515 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec 20.6.2.3103)[b]	NMED Approved Background[b]	EPA MCLs[c,d]	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
Metals (mg/L)	CALCIUM	N/A	N/A	N/A	68.5		5	40.9		5	38.9		5	59.3		5	40.9		5
Method 6010B	IRON, DISSOLVED	1	N/A	0.3	ND	U	0.1	ND	U	0.1	ND	U	0.1	0.0429	J	0.1	ND	U	0.1
	LEAD	0.05	0.01	0.015	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003
	MAGNESIUM	N/A	N/A	N/A	9.14		5	5.29		5	5.06		5	7.92		5	5.59		5
	MANGANESE, DISSOLVED	0.2	N/A	0.05	**0.0703**		0.015	ND	U	0.015	ND	U	0.015	**0.0764**		0.015	ND	U	0.015
	POTASSIUM	N/A	N/A	N/A	3.26	J	5	2.32	J	5	2.25	J	5	2.98	J	5	2.37	J	5
	SODIUM	N/A	N/A	N/A	29.9		5	22.8		5	22.1		5	28		5	22.1		5
Anions (mg/L)	AMMONIA (AS N) (Method 4500NH3BG)	N/A	N/A	N/A	ND	U	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3
Method E300.0	CHLORIDE	250	N/A	250	35.5	J+	2.5	10.4	J+	2.5	10.3	J+	2.5	23.7	J+	2.5	17.7		0.5
	NITROGEN, NITRATE-NITRITE (Method E353.2)	N/A	4	N/A	ND	U	1.5	ND	U	1.5	ND	U	1.5	ND	U	1.5	ND	U	1.5
	SULFATE	600	N/A	250	55.8		5	33.6		2.5	33.4		2.5	49.2		2.5	30.1		2
	SULFIDE, TOTAL (Method 4500SC2F)	N/A	N/A	N/A	ND	U	3.45	ND	U	3.7	ND	U	3.7	ND	U	3.39	ND	U	3.45
Alkalinity (mg/L)	ALKALINITY, BICARBONATE (AS CACO3)	N/A	N/A	N/A	150		1	102		1	106		1	140		1	97.3		1
Method SM2320B	ALKALINITY, CARBONATE (AS CACO3)	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
Field Parameters	Temperature (°C)	N/A	N/A	N/A	18.18			18.33			18.33			18.51			18.31		
	pH (S.U.)	N/A	N/A	N/A	7.36			7.60			7.60			7.49			7.63		
	Spec Cond (µS/cm2)	N/A	N/A	N/A	511.0			304.5			304.5			437.9			324.0		
	DO (mg/L)	N/A	N/A	N/A	1.60			6.07			6.07			20.50			6.74		
	ORP (mV)	N/A	N/A	N/A	26			139			139			20			140		
	Turbidity (NTU)	N/A	N/A	N/A	1.28			1.79			1.79			1.60			1.58		
	Alkalinity (mg/L as CaCO3)	N/A	N/A	N/A	188			104			104			138			119		

The NMWQCC standard and EPA MCL for m,p- xylene and o-xylene is for total xylenes.
a EPA analytical methods listed are for the most recent sampling event.
b NMED-HWB Approved Background Concentrations, SNL/Kirtland AFB, Chemical Constituents in Ground Water.
Concentrations exceeding background are shown in italics, if applicable.
c EPA National Primary Drinking Water Standards - Maximum Contaminant Levels (MCLs), or if more stringent,
New Mexico Water Quality Control Commission (WQCC) Regulations as denoted by "*".
Concentrations exceeding standards are **BOLD**.
d The WQCC regulation for PAHs of 30 ug/L is a total of the concentrations of naphthalene,
1-methylnaphthalene, and 2-methylnaphthalene.
Shading indicates the analyte was detected.
Bold indicated analyte detected greater than regulatory standard
J = estimated value, concentration is less than RL but greater than laboratory method detection limit (MDL).
J+ = estimated value, concentration is less than RL but greater than laboratory method detection limit (MDL); biased high.
J- = estimated value, concentration is less than RL but greater than laboratory method detection limit (MDL); biased high.
U = Analyte was not detected. The reported numerical value is at or below the RL.
UJ = Analyte was *tentatively* not detected. The reported numerical value is at or below the RL.
N/A = Not applicable
ND = Not detected
NM = Not measured due to equipment malfunction.
NR = Not recorded or reported due to operational error
NR-EF = Not recorded due to equipment malfunction or failure
R = sample data rejected due to site contamination

Table 5-1
Groundwater Analyitcal Results
October - December 2011

			LOCATION CODE	KAFB-106074			KAFB-106075			KAFB-106076			KAFB-106077			KAFB-106078			KAFB-106079			KAFB-106080			KAFB-106080			KAFB-106081		
			SAMPLE NO	GW0332			GW0333			GW0334			GW0335			GW0336			GW0337			GW0338			GW0339			GW0340		
			SAMPLE DATE	14-Nov-11			10-Nov-11			14-Dec-11			20-Dec-11			19-Dec-11			24-Oct-11			24-Oct-11			24-Oct-11			24-Oct-11		
			SAMPLE PURPOSE	REG			REG			REG			REG			REG			REG			REG			FD			REG		
			SAMPLE DEPTH	570-585 FT			480-500 FT			480-500 FT			504-519 FT			573-588 FT			485-504 FT			504-519 FT			504-519 FT			576-589 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[b]	NMED Approved Background[b]	EPA MCLs[c,d]	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
TPH (ug/L)	DIESEL RANGE ORGANICS	N/A	N/A	N/A	ND	U	94.3	612		93.5	40100		1960	ND	UJ	100		R		98600		48100	21700		1890	14900		1890	ND	U	96.2
Method 8015B	GASOLINE RANGE ORGANICS	N/A	N/A	N/A	ND	U	150	ND	U	150	29500		3750	ND	U	150		R		38600		3000	12700		1500	12500		1500	317		150
VOCs (µg/L)	1,1,1,2-TETRACHLOROETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	50	ND	U	1		R		ND	U	100	ND	U	50	ND	U	50	ND	U	1
Method 8260B	1,1,1-TRICHLOROETHANE	60	N/A	60	ND	U	1	ND	U	1	ND	U	50	ND	U	1		R		ND	U	100	ND	U	50	ND	U	50	ND	U	1
	1,1,2,2-TETRACHLOROETHANE	10	N/A	10	ND	U	1	ND	U	1	ND	U	50	ND	U	1		R		ND	U	100	ND	U	50	ND	U	50	ND	U	1
	1,1,2-TRICHLOROETHANE	100	N/A	5	ND	U	1	ND	U	1	ND	U	50	ND	U	1		R		ND	U	100	ND	U	50	ND	U	50	ND	U	1
	1,1-DICHLOROETHANE	25	N/A	25	ND	U	1	ND	U	1	ND	U	50	ND	U	1		R		ND	U	100	ND	U	50	ND	U	50	ND	U	1
	1,1-DICHLOROETHENE	5	N/A	5	ND	U	1	ND	U	1	ND	U	50	ND	U	1		R		ND	U	100	ND	U	50	ND	U	50	ND	U	1
	1,1-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	50	ND	U	1		R		ND	U	100	ND	U	50	ND	U	50	ND	U	1
	1,2,3-TRICHLOROBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	50	ND	U	1		R		ND	U	100	ND	U	50	ND	U	50	ND	U	1
	1,2,3-TRICHLOROPROPANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	100	ND	U	2		R		ND	U	200	ND	U	100	ND	U	100	ND	U	2
	1,2,4-TRICHLOROBENZENE	N/A	N/A	70	ND	U	1	ND	U	1	ND	U	50	ND	U	1		R		ND	U	100	ND	U	50	ND	U	50	ND	U	1
	1,2,4-TRIMETHYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	390		50	ND	U	1		R		166		100	38.2	J	50	36.3	J	50	ND	U	1
	1,2-DIBROMO-3-CHLOROPROPANE	N/A	N/A	0.2	ND	U	2	ND	U	2	ND	U	100	ND	U	2		R		ND	U	200	ND	U	100	ND	U	100	ND	U	2
	1,2-DIBROMOETHANE	0.1	N/A	0.05	ND	U	1	0.262	J	1	111		50	ND	U	1		R		181		100	ND	U	50	ND	U	50	ND	U	1
	1,2-DIBROMOETHANE (Method 8011)	0.1	N/A	0.05	ND	U	0.0275	0.207		0.0279	110	D	5.64	0.0208	J	0.0279		R		162		5.65	0.245		0.0281	0.208		0.0286	ND	U	0.0286
	1,2-DICHLOROBENZENE	N/A	N/A	600	ND	U	1	ND	U	1	ND	U	50	ND	U	1		R		ND	U	100	ND	U	50	ND	U	50	ND	U	1
	1,2-DICHLOROETHANE	10	N/A	5	ND	U	1	0.555	J	1	ND	U	50	ND	U	1		R		ND	U	100	ND	U	50	ND	U	50	ND	U	1
	1,2-DICHLOROPROPANE	N/A	N/A	5	ND	U	1	ND	U	1	ND	U	50	ND	U	1		R		ND	U	100	ND	U	50	ND	U	50	ND	U	1
	1,3,5-TRIMETHYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	112		50	ND	U	1		R		58.7	J	100	28.2	J	50	29.1	J	50	ND	U	1
	1,3-DICHLOROBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	50	ND	U	1		R		ND	U	100	ND	U	50	ND	U	50	ND	U	1
	1,3-DICHLOROPROPANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	50	ND	U	1		R		ND	U	100	ND	U	50	ND	U	50	ND	U	1
	1,4-DICHLOROBENZENE	N/A	N/A	75	ND	U	1	ND	U	1	ND	U	50	ND	U	1		R		ND	U	100	ND	U	50	ND	U	50	ND	U	1
	2,2-DICHLOROPROPANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	50	ND	U	1		R		ND	U	100	ND	U	50	ND	U	50	ND	U	1
	2-BUTANONE	N/A	N/A	N/A	ND	U	10	ND	U	10	420	J	500	ND	U	10		R		737	J	1000	ND	U	500	ND	U	500	ND	U	10
	2-CHLOROTOLUENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	50	ND	U	1		R		ND	U	100	ND	U	50	ND	U	50	ND	U	1
	2-HEXANONE	N/A	N/A	N/A	ND	U	5	ND	U	5	210	J	250	ND	U	5		R		ND	U	500	ND	U	250	ND	U	250	ND	U	5
	4-CHLOROTOLUENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	50	ND	U	1		R		ND	U	100	ND	U	50	ND	U	50	ND	U	1
	4-METHYL-2-PENTANONE	N/A	N/A	N/A	ND	U	5	ND	U	5	118	J	250	ND	U	5		R		230	J-	500	140	J-	250	146	J-	250	ND	UJ	5
	ACETONE	N/A	N/A	N/A	ND	U	10	7.05	J	10	1960		500	ND	U	10		R		3220	J+	1000	222	J+	500	230	J+	500	ND	U	10
	BENZENE	10	N/A	5	ND	U	1	ND	U	1	4320		50	ND	U	1		R		5800		100	3110		50	3110		50	ND	U	1
	BROMOBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	50	ND	U	1		R		ND	U	100	ND	U	50	ND	U	50	ND	U	1
	BROMOCHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	50	ND	U	1		R		ND	U	100	ND	U	50	ND	U	50	ND	U	1
	BROMODICHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	50	ND	U	1		R		ND	UJ	100	ND	UJ	50	ND	UJ	50	ND	UJ	1
	BROMOFORM	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	50	ND	U	1		R		ND	U	100	ND	U	50	ND	U	50	ND	U	1
	BROMOMETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	100	ND	U	2		R		ND	U	200	ND	U	100	ND	U	100	ND	U	2
	CARBON DISULFIDE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	50	ND	U	1		R		ND	U	100	ND	U	50	ND	U	50	ND	U	1
	CARBON TETRACHLORIDE	10	N/A	5	ND	U	1	ND	U	1	ND	U	50	ND	U	1		R		ND	U	100	ND	U	50	ND	U	50	ND	U	1
	CHLOROBENZENE	N/A	N/A	100	ND	U	1	ND	U	1	ND	U	50	ND	U	1		R		ND	U	100	ND	U	50	ND	U	50	ND	U	1
	CHLOROETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	100	ND	U	2		R		ND	U	200	ND	U	100	ND	U	100	ND	U	2
	CHLOROFORM	100	N/A	100	ND	U	1	ND	U	1	ND	U	50	ND	U	1		R		ND	U	100	ND	U	50	ND	U	50	ND	U	1
	CHLOROMETHANE	N/A	N/A	N/A	0.49	J	1	ND	U	1	ND	UJ	50	ND	U	1		R		ND	U	100	ND	U	50	ND	U	50	ND	U	1
	CIS-1,2-DICHLOROETHENE	N/A	N/A	70	ND	U	1	ND	U	1	ND	U	50	ND	U	1		R		ND	U	100	ND	U	50	ND	U	50	ND	U	1
	CIS-1,3-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	50	ND	U	1		R		ND	U	100	ND	U	50	ND	U	50	ND	U	1
	DIBROMOCHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	50	ND	U	1		R		ND	U	100	ND	U	50	ND	U	50	ND	U	1
	DIBROMOMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	50	ND	U	1		R		ND	U	100	ND	U	50	ND	U	50	ND	U	1
	DICHLORODIFLUOROMETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	100	0.792	J	2		R		ND	UJ	200	ND	UJ	100	ND	UJ	100	ND	UJ	2
	ETHYLBENZENE	750	N/A	700	ND	U	1	0.277	J	1	704		50	ND	U	1		R		692		100	733		50	748		50	ND	U	1
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	UJ	1	ND	U	1	ND	U	50	ND	U	1		R		ND	U	100	ND	U	50	ND	U	50	ND	U	1
	ISOPROPYLBENZENE	N/A	N/A	N/A	ND	U	1	2.26		1	63.5		50	ND	U	1		R		65	J	100	62.6		50	64.6		50	ND	U	1
	METHYL TERT-BUTYL ETHER	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	50	ND	U	1		R		ND	UJ	100	ND	UJ	50	ND	UJ	50	ND	UJ	1
	METHYLENE CHLORIDE	100	N/A	5	ND	U	2	ND	U	2	ND	U	100	ND	U	2		R		ND	U	200	ND	U	100	ND	U	100	ND	U	2
	NAPHTHALENE	N/A	N/A	30	ND	U	1	ND	U	1	278		50	ND	U	1		R		114		100	94		50	99.7		50	ND	U	1
	N-BUTYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	23.4	J	50	ND	U	1		R		ND	U	100	ND	U	50	ND	U	50	ND	U	1
	N-PROPYLBENZENE	N/A	N/A	N/A	ND	U	1	0.701	J	1	70.8		50	ND	U	1		R		52.3	J	100	55.9		50	54.7		50	ND	U	1
	P-ISOPROPYLTOLUENE	N/A	N/A	N/A	ND	U	1	ND	U	1	22.7	J	50	ND	U	1		R		ND	U	100	ND	U	50	ND	U	50	ND	U	1
	SEC-BUTYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	16.4	J	50	ND	U	1		R		ND	U	100	ND	U	50	ND	U	50	ND	U	1
	STYRENE	N/A	N/A	100	ND	U	1	ND	U	1	ND	U	50	ND	U	1		R		ND	U	100	ND	U	50	ND	U	50	ND	U	1
	TERT-BUTYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	50	ND	U	1		R		ND	U	100	ND	U	50	ND	U	50	ND	U	1
	TETRACHLOROETHENE	N/A	N/A	5	ND	U	1	ND	U	1	ND	U	50	ND	U	1		R		ND	U	100	ND	U	50	ND	U	50	ND	U	1
	TOLUENE	750	N/A	750	ND	U	1	ND	U	1	6400		50	0.32	J	1		R		8530		100	306		50	307		50	ND	U	1
	TRANS-1,2-DICHLOROETHENE	N/A	N/A	100	ND	U	1	ND	U	1	ND	U	50	ND	U	1		R		ND	U	100	ND	U	50	ND	U	50	ND	U	1
	TRANS-1,3-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	50	ND	U	1		R		ND	U	100	ND	U	50	ND	U	50	ND	U	1
	TRICHLOROETHENE	N/A	N/A	5	ND	U	1	ND	U	1	ND	U	50	ND	U	1		R		ND	U	100	ND	U	50	ND	U	50	ND	U	1
	TRICHLOROFLUOROMETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	100	ND	U	2		R		ND	U	200	ND	U	100	ND	U	100	ND	U	2
	VINYL CHLORIDE	1	N/A	1	ND	U	1	ND	U	1	ND	U	50	ND	U	1		R		ND	U	100	ND	U	50	ND	U	50	ND	U	1
	XYLENES	620	N/A	10000	ND	U	3	ND	U	3	2950		150	ND	U	3		R		2330		300	99	J	150	99.8	J	150	ND	U	3

Table 5-1
Groundwater Analyitcal Results
October - December 2011

			LOCATION CODE	KAFB-106074			KAFB-106075			KAFB-106076			KAFB-106077			KAFB-106078			KAFB-106079			KAFB-106080			KAFB-106080			KAFB-106081		
			SAMPLE NO	GW0332			GW0333			GW0334			GW0335			GW0336			GW0337			GW0338			GW0339			GW0340		
			SAMPLE DATE	14-Nov-11			10-Nov-11			14-Dec-11			20-Dec-11			19-Dec-11			24-Oct-11			24-Oct-11			24-Oct-11			24-Oct-11		
			SAMPLE PURPOSE	REG			REG			REG			REG			REG			REG			REG			FD			REG		
			SAMPLE DEPTH	570-585 FT			480-500 FT			480-500 FT			504-519 FT			573-588 FT			485-504 FT			504-519 FT			504-519 FT			576-589 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[b]	NMED Approved Background[c]	EPA MCLs[c,d]	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
SVOCs (ug/L)	1,1-BIPHENYL	N/A	N/A	N/A	ND	U	4.81	ND	U	4.9	ND	U	49	ND	U	4.72		R		ND	U	240	ND	U	250	ND	U	236	ND	U	4.72
Method 8270C	1,2-DIPHENYLHYDRAZINE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.9	ND	U	49	ND	U	4.72		R		ND	U	240	ND	U	250	ND	U	236	ND	U	4.72
	2,4,5-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.81	ND	U	4.9	ND	U	49	ND	U	4.72		R		ND	U	240	ND	U	250	ND	U	236	ND	U	4.72
	2,4,6-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.81	ND	U	4.9	ND	U	49	ND	U	4.72		R		ND	U	240	ND	U	250	ND	U	236	ND	U	4.72
	2,4-DICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.81	ND	U	4.9	ND	U	49	ND	U	4.72		R		ND	U	240	ND	U	250	ND	U	236	ND	U	4.72
	2,4-DIMETHYLPHENOL	N/A	N/A	N/A	ND	U	19.2	ND	U	19.6	ND	U	196	ND	U	18.9		R		ND	U	962	ND	U	1000	ND	U	943	ND	U	18.9
	2,4-DINITROPHENOL	N/A	N/A	N/A	ND	U	48.1	ND	U	49	ND	U	490	ND	U	47.2		R		ND	U	2400	ND	U	2500	ND	U	2360	ND	UJ	47.2
	2,4-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.9	ND	U	49	ND	U	4.72		R		ND	U	240	ND	U	250	ND	U	236	ND	U	4.72
	2,6-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.9	ND	U	49	ND	U	4.72		R		ND	U	240	ND	U	250	ND	U	236	ND	U	4.72
	2-CHLORONAPHTHALENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.9	ND	U	49	ND	U	4.72		R		ND	U	240	ND	U	250	ND	U	236	ND	UJ	4.72
	2-CHLOROPHENOL	N/A	N/A	N/A	ND	U	4.81	ND	U	4.9	ND	U	49	ND	U	4.72		R		ND	U	240	ND	U	250	ND	U	236	ND	U	4.72
	2-METHYLPHENOL	N/A	N/A	N/A	ND	UJ	4.81	ND	U	4.9	ND	U	49	ND	U	4.72		R		130	J	240	ND	U	250	ND	U	236	ND	U	4.72
	2-NITROANILINE	N/A	N/A	N/A	ND	U	19.2	ND	U	19.6	ND	U	196	ND	U	18.9		R		ND	U	962	ND	U	1000	ND	U	943	ND	U	18.9
	2-NITROPHENOL	N/A	N/A	N/A	ND	U	4.81	ND	U	4.9	ND	U	49	ND	U	4.72		R		ND	U	240	ND	U	250	ND	U	236	ND	U	4.72
	3,3'-DICHLOROBENZIDINE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.9	ND	U	49	ND	U	4.72		R		ND	U	240	ND	U	250	ND	U	236	ND	U	4.72
	3-METHYLPHENOL AND 4-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.81	ND	U	4.9	ND	U	49	ND	U	4.72		R		ND	U	240	ND	U	250	ND	U	236	ND	U	4.72
	3-NITROANILINE	N/A	N/A	N/A	ND	U	19.2	ND	U	19.6	ND	U	196	ND	U	18.9		R		ND	U	962	ND	U	1000	ND	U	943	ND	U	18.9
	4,6-DINITRO-2-METHYLPHENOL	N/A	N/A	N/A	ND	U	19.2	ND	U	19.6	ND	U	196	ND	U	18.9		R		ND	U	962	ND	U	1000	ND	U	943	ND	U	18.9
	4-BROMOPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.81	ND	U	4.9	ND	U	49	ND	U	4.72		R		ND	U	240	ND	U	250	ND	U	236	ND	U	4.72
	4-CHLORO-3-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.81	ND	U	4.9	ND	U	49	ND	U	4.72		R		ND	U	240	ND	U	250	ND	U	236	ND	U	4.72
	4-CHLOROANILINE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.9	ND	U	49	ND	U	4.72		R		ND	U	240	ND	U	250	ND	U	236	ND	UJ	4.72
	4-CHLOROPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.81	ND	U	4.9	ND	U	49	ND	U	4.72		R		ND	U	240	ND	U	250	ND	U	236	ND	U	4.72
	4-NITROANILINE	N/A	N/A	N/A	ND	U	19.2	ND	U	19.6	ND	U	196	ND	U	18.9		R		ND	U	962	ND	U	1000	ND	U	943	ND	U	18.9
	4-NITROPHENOL	N/A	N/A	N/A	ND	U	19.2	ND	U	19.6	ND	U	196	ND	U	18.9		R		ND	U	962	ND	U	1000	ND	U	943	ND	U	18.9
	ACETOPHENONE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.9	4950		490	5.9		4.72		R		4710		240	373		250	292		236	ND	U	4.72
	ATRAZINE	N/A	N/A	N/A	ND	U	4.81	ND	UJ	4.9	ND	U	49	ND	U	4.72		R		ND	U	240	ND	U	250	ND	U	236	ND	U	4.72
	BENZALDEHYDE	N/A	N/A	N/A	ND	UJ	4.81	ND	UJ	4.9	ND	UJ	49	ND	UJ	4.72		R		ND	U	240	ND	U	250	ND	U	236	ND	UJ	4.72
	BENZIDINE	N/A	N/A	N/A	ND	U	48.1	ND	U	49	ND	U	490	ND	U	47.2		R		ND	U	2400	ND	U	2500	ND	U	2360	ND	U	47.2
	BENZOIC ACID	N/A	N/A	N/A	ND	U	48.1	ND	U	49	ND	U	490	ND	U	47.2		R		ND	U	2400	ND	U	2500	ND	U	2360	ND	UJ	47.2
	BIS(2-CHLOROETHOXY)METHANE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.9	ND	U	49	ND	U	4.72		R		ND	U	240	ND	U	250	ND	U	236	ND	UJ	4.72
	BIS(2-CHLOROETHYL)ETHER	N/A	N/A	N/A	ND	U	4.81	ND	U	4.9	ND	U	49	ND	U	4.72		R		ND	U	240	ND	U	250	ND	U	236	ND	UJ	4.72
	BIS(2-CHLOROISOPROPYL)ETHER	N/A	N/A	N/A	ND	UJ	4.81	ND	U	4.9	ND	U	49	ND	U	4.72		R		ND	U	240	ND	U	250	ND	U	236	ND	UJ	4.72
	BIS(2-ETHYLHEXYL)PHTHALATE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.9	ND	U	49	ND	U	4.72		R		ND	U	240	ND	U	250	ND	U	236	ND	U	4.72
	BUTYL BENZYL PHTHALATE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.9	ND	U	49	ND	U	4.72		R		ND	U	240	ND	U	250	ND	U	236	ND	U	4.72
	CAPROLACTAM	N/A	N/A	N/A	ND	UJ	4.81	ND	UJ	4.9	ND	UJ	49	ND	UJ	4.72		R		ND	UJ	240	ND	UJ	250	ND	UJ	236	ND	UJ	4.72
	CARBAZOLE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.9	ND	U	49	ND	U	4.72		R		ND	U	240	ND	U	250	ND	U	236	ND	U	4.72
	DIBENZOFURAN	N/A	N/A	N/A	ND	U	4.81	ND	U	4.9	ND	U	49	ND	U	4.72		R		ND	U	240	ND	U	250	ND	U	236	ND	U	4.72
	DIETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.9	36.8	J	49	ND	U	4.72		R		ND	U	240	ND	U	250	ND	U	236	ND	UJ	4.72
	DIMETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.9	ND	U	49	ND	U	4.72		R		ND	U	240	ND	U	250	ND	U	236	ND	U	4.72
	DI-N-BUTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.9	ND	U	49	ND	U	4.72		R		ND	U	240	ND	U	250	ND	U	236	ND	UJ	4.72
	DI-N-OCTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.9	ND	U	49	ND	U	4.72		R		ND	U	240	ND	U	250	ND	U	236	ND	U	4.72
	HEXACHLOROBENZENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.9	ND	U	49	ND	U	4.72		R		ND	U	240	ND	U	250	ND	U	236	ND	U	4.72
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.9	ND	U	49	ND	U	4.72		R		ND	U	240	ND	U	250	ND	U	236	ND	U	4.72
	HEXACHLOROCYCLOPENTADIENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.9	ND	U	49	ND	U	4.72		R		ND	U	240	ND	U	250	ND	U	236	ND	U	4.72
	HEXACHLOROETHANE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.9	ND	U	49	ND	U	4.72		R		ND	U	240	ND	U	250	ND	U	236	ND	U	4.72
	ISOPHORONE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.9	ND	U	49	ND	U	4.72		R		ND	U	240	ND	U	250	ND	U	236	ND	U	4.72
	NITROBENZENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.9	ND	U	49	ND	U	4.72		R		ND	U	240	ND	U	250	ND	U	236	ND	U	4.72
	N-NITROSO-DI-N-PROPYLAMINE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.9	ND	U	49	ND	U	4.72		R		ND	U	240	ND	U	250	ND	U	236	ND	U	4.72
	N-NITROSODIPHENYLAMINE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.9	ND	U	49	ND	U	4.72		R		ND	U	240	ND	U	250	ND	U	236	ND	U	4.72
	PENTACHLOROPHENOL	N/A	N/A	N/A	ND	U	19.2	ND	U	19.6	ND	U	196	ND	U	18.9		R		ND	U	962	ND	U	1000	ND	U	943	ND	U	18.9
	PHENOL	N/A	N/A	5	ND	U	4.81	ND	U	4.9	ND	U	49	ND	U	4.72		R		ND	U	240	ND	U	250	ND	U	236	ND	U	4.72
PAHs (ug/L)	1-METHYL NAPHTHALENE	N/A	N/A	30	ND	U	4.81	ND	U	4.9	79.9		49	ND	U	4.72		R		ND	U	240	ND	U	250	ND	U	236	ND	UJ	4.72
Method 8270C	2-METHYLNAPHTHALENE	N/A	N/A	30	ND	U	4.81	ND	U	4.9	99		49	ND	U	4.72		R		ND	U	240	ND	U	250	ND	U	236	ND	U	4.72
	ACENAPHTHENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.9	ND	U	49	ND	U	4.72		R		ND	U	240	ND	U	250	ND	U	236	ND	U	4.72
	ACENAPHTHYLENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.9	ND	U	49	ND	U	4.72		R		ND	U	240	ND	U	250	ND	U	236	ND	U	4.72
	ANTHRACENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.9	ND	U	49	ND	U	4.72		R		ND	U	240	ND	U	250	ND	U	236	ND	U	4.72
	BENZO(A)ANTHRACENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.9	ND	U	49	ND	U	4.72		R		ND	U	240	ND	U	250	ND	U	236	ND	U	4.72
	BENZO(A)PYRENE	0.7	N/A	0.2	ND	U	4.81	ND	U	4.9	ND	U	49	ND	U	4.72		R		ND	U	240	ND	U	250	ND	U	236	ND	U	4.72
	BENZO(B)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.9	ND	U	49	ND	U	4.72		R		ND	U	240	ND	U	250	ND	U	236	ND	U	4.72
	BENZO(GHI)PERYLENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.9	ND	U	49	ND	U	4.72		R		ND	U	240	ND	U	250	ND	U	236	ND	U	4.72
	BENZO(K)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.9	ND	U	49	ND	U	4.72		R		ND	U	240	ND	U	250	ND	U	236	ND	U	4.72
	CHRYSENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.9	ND	U	49	ND	U	4.72		R		ND	U	240	ND	U	250	ND	U	236	ND	U	4.72
	DIBENZO(A,H)ANTHRACENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.9	ND	U	49	ND	U	4.72		R		ND	U	240	ND	U	250	ND	U	236	ND	U	4.72
	FLUORANTHENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.9	ND	U	49	ND	U	4.72		R		ND	U	240	ND	U	250	ND	U	236	ND	U	4.72
	FLUORENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.9	ND	U	49	ND	U	4.72		R		ND	U	240	ND	U	250	ND	U	236	ND	UJ	4.72
	INDENO(1,2,3-CD)PYRENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.9	ND	U	49	ND	U	4.72		R		ND	U	240	ND	U	250	ND	U	236	ND	U	4.72
	NAPHTHALENE	N/A	N/A	30	ND	U	4.81	ND	U	4.9	169		49	ND	U	4.72		R		ND	U	240	ND	U	250	ND	U	236	ND	U	4.72
	PHENANTHRENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.9	ND	U	49	ND	U	4.72		R		ND	U	240	ND	U	250	ND	U	236	ND	U	4.72
	PYRENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.9	ND	U	49	ND	U	4.72		R		ND	U	240	ND	U	250	ND	U	236	ND	U	4.72
PAHs (ug/L)	1-METHYL NAPHTHALENE	N/A	N/A	30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Method 8270C	2-METHYLNAPHTHALENE	N/A	N/A	30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Low detection limit	ACENAPHTHENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	ACENAPHTHYLENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	ANTHRACENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(A)ANTHRACENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(A)PYRENE	0.7	N/A	0.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(B)FLUORANTHENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(GHI)PERYLENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(K)FLUORANTHENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	CHRYSENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	DIBENZO(A,H)ANTHRACENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	FLUORANTHENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	FLUORENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	INDENO(1,2,3-CD)PYRENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	NAPHTHALENE	N/A	N/A	30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	PHENANTHRENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	PYRENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table 5-1
Groundwater Analyitcal Results
October - December 2011

			LOCATION CODE		KAFB-106074			KAFB-106075			KAFB-106076			KAFB-106077			KAFB-106078			KAFB-106079			KAFB-106080			KAFB-106080			KAFB-106081		
			SAMPLE NO		GW0332			GW0333			GW0334			GW0335			GW0336			GW0337			GW0338			GW0339			GW0340		
			SAMPLE DATE		14-Nov-11			10-Nov-11			14-Dec-11			20-Dec-11			19-Dec-11			24-Oct-11			24-Oct-11			24-Oct-11			24-Oct-11		
			SAMPLE PURPOSE		REG			REG			REG			REG			REG			REG			REG			FD			REG		
			SAMPLE DEPTH		570-585 FT			480-500 FT			480-500 FT			504-519 FT			573-588 FT			485-504 FT			504-519 FT			504-519 FT			576-589 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[b]	NMED Approved Background[b]	EPA MCLs[c,d]	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
Metals (mg/L)	CALCIUM	N/A	N/A	N/A	32.6		5	60.4		5	75.9		5	36.6		5		R		115		5	141		5	145		5	35.7		5
Method 6010B	IRON, DISSOLVED	1	N/A	0.3	ND	U	0.1	ND	U	0.1	1.58	J+	0.1	ND	U	0.1		R		1.19		0.1	2.65		0.1	2.65		0.1	ND	U	0.1
	LEAD	0.05	0.01	0.015	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003		R		ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003
	MAGNESIUM	N/A	N/A	N/A	4.47	J	5	8.52		5	11.4		5	4.94	J	5		R		17.5		5	20.8		5	21.4		5	4.96	J	5
	MANGANESE, DISSOLVED	0.2	N/A	0.05	0.0036	J	0.015	0.104		0.015	1.07		0.015	ND	U	0.015		R		2.31		0.015	3.23		0.015	3.13		0.015	0.0109	J	0.015
	POTASSIUM	N/A	N/A	N/A	2.05	J	5	2.94	J	5	3.19	J	5	2	J	5		R		4	J	5	4.12	J	5	4.24	J	5	2.15	J	5
	SODIUM	N/A	N/A	N/A	21.1		5	26.5		5	38.7		5	21.1		5		R		40.1		5	43.9		5	44.9		5	23		5
Anions (mg/L)	AMMONIA (AS N) (Method 4500NH3BG)	N/A	N/A	N/A	ND	U	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3		R		ND	U	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3
Method E300.0	CHLORIDE	250	N/A	250	7.6		0.5	15.8	J+	2.5	12.8		0.5	8		0.5		R		59.1		2	80.4		5	92.6		5	6.92		1
	NITROGEN, NITRATE-NITRITE (Method E353.2)	N/A	4	N/A	ND	U	1.5	ND	U	1.5	ND	U	1.5	ND	U	1.5		R		ND	U	1.5	ND	U	1.5	ND	U	1.5	ND	U	1.5
	SULFATE	600	N/A	250	28		2	36.8		2.5	27.6		2	27.2		2		R		15.5		2	15.4		2	15.8		2	25.9		2
	SULFIDE, TOTAL (Method 4500SC2F)	N/A	N/A	N/A	ND	U	3.7	ND	U	3.7	0.966	J	3.45	1.1	J	3.45		R		ND	U	3.7	ND	U	3.7	ND	U	3.39	ND	U	3.7
Alkalinity (mg/L)	ALKALINITY, BICARBONATE (AS CACO3)	N/A	N/A	N/A	91		1	153		1	197		1	101		1		R		292		1	331		1	332		1	103		1
Method SM2320B	ALKALINITY, CARBONATE (AS CACO3)	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1		R		ND	U	1	ND	U	1	ND	U	1	ND	U	1
Field Parameters	Temperature (°C)	N/A	N/A	N/A	18.25			18.01			18.88			18.35			10.19			18.90			19.23			19.23			19.21		
	pH (S.U.)	N/A	N/A	N/A	7.68			7.38			7.15			7.38			8.69			7.14			6.93			6.93			7.83		
	Spec Cond (µS/cm2)	N/A	N/A	N/A	274.8			428.4			504.3			296.5			210.7			794.0			973.5			973.5			294.7		
	DO (mg/L)	N/A	N/A	N/A	3.51			1.15			0.00			6.05			3.99			0.05			0.08			0.08			4.09		
	ORP (mV)	N/A	N/A	N/A	142			108			-52			133			105			-149			-155			-155			108		
	Turbidity (NTU)	N/A	N/A	N/A	1.85			2.23			2.94			1.02			88.70			4.29			1.77			1.77			0.90		
	Alkalinity (mg/L as CaCO3)	N/A	N/A	N/A	119			140			198			128			52			298			332			332			116		

The NMWQCC standard and EPA MCL for m,p- xylene and o-xylene is for total xylenes.

a EPA analytical methods listed are for the most recent sampling event.

b NMED-HWB Approved Background Concentrations, SNL/Kirtland AFB, Chemical Constituents in Ground Water.
Concentrations exceeding background are shown in italics, if applicable.

c EPA National Primary Drinking Water Standards - Maximum Contaminant Levels (MCLs), or if more stringent,
New Mexico Water Quality Control Commission (WQCC) Regulations as denoted by "*".
Concentrations exceeding standards are **BOLD**.

d The WQCC regulation for PAHs of 30 ug/L is a total of the concentrations of naphthalene,
1-methylnaphthalene, and 2-methylnaphthalene.

Shading indicates the analyte was detected.

Bold indicated analyte detected greater than regulatory standard

J = estimated value, concentration is less than RL but greater than laboratory method detection limit (MDL).

J+ = estimated value, concentration is less than RL but greater than laboratory method detection limit (MDL); biased high.

J- = estimated value, concentration is less than RL but greater than laboratory method detection limit (MDL); biased high.

U = Analyte was not detected. The reported numerical value is at or below the RL.

UJ = Analyte was *tentatively* not detected. The reported numerical value is at or below the RL.

N/A = Not applicable

ND = Not detected

NM = Not measured due to equipment malfunction.

NR = Not recorded or reported due to operational error

NR-EF = Not recorded due to equipment malfunction or failure

R = sample data rejected due to site contamination

Table 5-1
Groundwater Analyitcal Results
October - December 2011

			LOCATION CODE	KAFB-106082			KAFB-106083			KAFB-106084			KAFB-106085			KAFB-106086			KAFB-106087			KAFB-106088			KAFB-106089			KAFB-106089		
			SAMPLE NO	GW0341			GW0342			GW0343			GW0344			GW0345			GW0346			GW0347			GW0348			GW0349		
			SAMPLE DATE	13-Oct-11			12-Oct-11			12-Oct-11			16-Nov-11			16-Nov-11			17-Nov-11			10-Oct-11			12-Oct-11			12-Oct-11		
			SAMPLE PURPOSE	REG			REG			REG			REG			REG			REG			REG			REG			FD		
			SAMPLE DEPTH	472-492 FT			495-510 FT			566-581 FT			447-477 FT			476-491 FT			546-561 FT			460-480 FT			482-497 FT			482-497 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec 20.6.2.3103)[a]	NMED Approved Background[b]	EPA MCLs[c,d]	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
TPH (µg/L)	DIESEL RANGE ORGANICS	N/A	N/A	N/A	7470		192	1640		94.3	ND	U	94.3	1880		98	672		98	ND	U	94.3	ND	U	96.2	ND	U	98	ND	U	96.2
Method 8015B	GASOLINE RANGE ORGANICS	N/A	N/A	N/A	1390		150	687		150	ND	U	150	653		150	258		150	ND	U	150	ND	U	150	ND	U	150	ND	U	150
VOCs (µg/L)	1,1,1,2-TETRACHLOROETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
Method 8260B	1,1,1-TRICHLOROETHANE	60	N/A	60	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,1,2,2-TETRACHLOROETHANE	10	N/A	10	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,1,2-TRICHLOROETHANE	100	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,1-DICHLOROETHANE	25	N/A	25	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,1-DICHLOROETHENE	5	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,1-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,2,3-TRICHLOROBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,2,3-TRICHLOROPROPANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2
	1,2,4-TRICHLOROBENZENE	N/A	N/A	70	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,2,4-TRIMETHYLBENZENE	N/A	N/A	N/A	29.5		1	17.7		1	ND	U	1	ND	U	1	3.89		1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,2-DIBROMO-3-CHLOROPROPANE	N/A	N/A	0.2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2
	1,2-DIBROMOETHANE	0.1	N/A	0.05	0.949	J	1	0.862	J	1	ND	U	1	ND	U	1	0.764	J	1	ND	U	1	0.307	J	1	0.424	J	1	0.439	J	1
	1,2-DIBROMOETHANE (Method 8011)	0.1	N/A	0.05	1.01		0.0575	0.689		0.0287	ND	U	0.0285	0.0387		0.0278	0.552		0.0277	ND	U	0.0278	0.262		0.0284	0.331		0.0282	0.406		0.0283
	1,2-DICHLOROBENZENE	N/A	N/A	600	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,2-DICHLOROETHANE	10	N/A	5	2.38		1	1.05		1	ND	U	1	1.99		1	0.954	J	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,2-DICHLOROPROPANE	N/A	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,3,5-TRIMETHYLBENZENE	N/A	N/A	N/A	9.32		1	8.5		1	ND	U	1	1.81		1	2.06		1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,3-DICHLOROBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,3-DICHLOROPROPANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,4-DICHLOROBENZENE	N/A	N/A	75	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	2,2-DICHLOROPROPANE	N/A	N/A	N/A	ND	UJ	1	ND	U	1	ND	UJ	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	UJ	1	ND	UJ	1
	2-BUTANONE	N/A	N/A	N/A	3.58	J-	10	ND	U	10	ND	UJ	10	ND	U	10	ND	U	10	ND	U	10	ND	U	10	ND	UJ	10	ND	UJ	10
	2-CHLOROTOLUENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	2-HEXANONE	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	5
	4-CHLOROTOLUENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	4-METHYL-2-PENTANONE	N/A	N/A	N/A	ND	UJ	5	ND	UJ	5	ND	UJ	5	ND	U	5	ND	U	5	ND	U	5	ND	UJ	5	ND	UJ	5	ND	UJ	5
	ACETONE	N/A	N/A	N/A	27.6		10	6.99	J+	10	ND	UJ	10	ND	U	10	ND	U	10	ND	U	10	2.68	J	10	ND	UJ	10	ND	UJ	10
	BENZENE	10	N/A	5	2.97		1	0.498	J	1	ND	U	1	ND	U	1	1.06		1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	BROMOBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	BROMOCHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	BROMODICHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	BROMOFORM	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	BROMOMETHANE	N/A	N/A	N/A	ND	UJ	2	ND	UJ	2	ND	UJ	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	UJ	2	ND	UJ	2
	CARBON DISULFIDE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	UJ	1	ND	U	1	ND	U	1	ND	UJ	1	ND	U	1	ND	U	1	ND	U	1
	CARBON TETRACHLORIDE	10	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	CHLOROBENZENE	N/A	N/A	100	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	CHLOROETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2
	CHLOROFORM	100	N/A	100	0.295	J	1	0.33	J	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	CHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	CIS-1,2-DICHLOROETHENE	N/A	N/A	70	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	CIS-1,3-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	DIBROMOCHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	DIBROMOMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	DICHLORODIFLUOROMETHANE	N/A	N/A	N/A	ND	U	2	ND	UJ	2	ND	UJ	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	UJ	2	ND	UJ	2
	ETHYLBENZENE	750	N/A	700	7.71		1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	UJ	1	ND	UJ	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	ISOPROPYLBENZENE	N/A	N/A	N/A	7.77		1	5.08		1	ND	U	1	0.557	J	1	4.71		1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	METHYL TERT-BUTYL ETHER	N/A	N/A	N/A	0.397	J-	1	ND	UJ	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	UJ	1	ND	U	1	ND	U	1
	METHYLENE CHLORIDE	100	N/A	5	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2
	NAPHTHALENE	N/A	N/A	30	0.856	J	1	0.515	J	1	ND	U	1	ND	U	1	0.322	J	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	N-BUTYLBENZENE	N/A	N/A	N/A	0.459	J	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	N-PROPYLBENZENE	N/A	N/A	N/A	2.23		1	0.805	J	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	P-ISOPROPYLTOLUENE	N/A	N/A	N/A	0.659	J	1	0.735	J	1	ND	U	1	0.736	J	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	SEC-BUTYLBENZENE	N/A	N/A	N/A	0.602	J	1	0.342	J	1	ND	U	1	ND	U	1	0.3	J	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	STYRENE	N/A	N/A	100	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	TERT-BUTYLBENZENE	N/A	N/A	N/A	3.94		1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	TETRACHLOROETHENE	N/A	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	TOLUENE	750	N/A	750	0.253	J	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	0.659	J	1	0.642	J	1	0.676	J	1
	TRANS-1,2-DICHLOROETHENE	N/A	N/A	100	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	TRANS-1,3-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	TRICHLOROETHENE	N/A	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	TRICHLOROFLUOROMETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2
	VINYL CHLORIDE	1	N/A	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	XYLENES	620	N/A	10000	95.1		3	76.7		3	ND	U	3	ND	U	3	9.48		3	ND	U	3	ND	U	3	ND	U	3	ND	U	3

Table 5-1
Groundwater Analyitcal Results
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			LOCATION CODE	KAFB-106082			KAFB-106083			KAFB-106084			KAFB-106085			KAFB-106086			KAFB-106087			KAFB-106088			KAFB-106089			KAFB-106089		
			SAMPLE NO	GW0341			GW0342			GW0343			GW0344			GW0345			GW0346			GW0347			GW0348			GW0349		
			SAMPLE DATE	13-Oct-11			12-Oct-11			12-Oct-11			16-Nov-11			16-Nov-11			17-Nov-11			10-Oct-11			12-Oct-11			12-Oct-11		
			SAMPLE PURPOSE	REG			REG			REG			REG			REG			REG			REG			REG			FD		
			SAMPLE DEPTH	472-492 FT			495-510 FT			566-581 FT			447-477 FT			476-491 FT			546-561 FT			460-480 FT			482-497 FT			482-497 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec 20.6.2.3103)[c]	NMED Approved Background[b]	EPA MCLs[c,d]	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
SVOCs (µg/L)	1,1-BIPHENYL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81	ND	UJ	4.72	ND	U	4.67	ND	U	4.9
Method 8270C	1,2-DIPHENYLHYDRAZINE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81	ND	UJ	4.72	ND	U	4.67	ND	U	4.9
	2,4,5-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81	ND	UJ	4.72	ND	U	4.67	ND	U	4.9
	2,4,6-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81	ND	UJ	4.72	ND	U	4.67	ND	U	4.9
	2,4-DICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81	ND	UJ	4.72	ND	U	4.67	ND	U	4.9
	2,4-DIMETHYLPHENOL	N/A	N/A	N/A	ND	U	18.9	ND	U	18.9	ND	U	18.9	ND	U	20	ND	U	19.6	ND	U	19.2	ND	UJ	18.9	ND	U	18.7	ND	U	19.6
	2,4-DINITROPHENOL	N/A	N/A	N/A	ND	UJ	47.2	ND	UJ	47.2	ND	UJ	47.2	ND	U	50	ND	U	49	ND	U	48.1	ND	UJ	47.2	ND	UJ	46.7	ND	UJ	49
	2,4-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81	ND	UJ	4.72	ND	U	4.67	ND	U	4.9
	2,6-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81	ND	UJ	4.72	ND	U	4.67	ND	U	4.9
	2-CHLORONAPHTHALENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81	ND	UJ	4.72	ND	U	4.67	ND	U	4.9
	2-CHLOROPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81	ND	UJ	4.72	ND	U	4.67	ND	U	4.9
	2-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.72	1.59	J	4.72	ND	U	4.72	ND	UJ	5	ND	UJ	4.9	ND	U	4.81	ND	UJ	4.72	ND	U	4.67	ND	U	4.9
	2-NITROANILINE	N/A	N/A	N/A	ND	U	18.9	ND	U	18.9	ND	U	18.9	ND	U	20	ND	U	19.6	ND	U	19.2	ND	UJ	18.9	ND	U	18.7	ND	U	19.6
	2-NITROPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81	ND	UJ	4.72	ND	U	4.67	ND	U	4.9
	3,3'-DICHLOROBENZIDINE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81	ND	UJ	4.72	ND	U	4.67	ND	U	4.9
	3-METHYLPHENOL AND 4-METHYLPHENOL	N/A	N/A	N/A	1.9	J	4.72	2.04	J	4.72	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81	ND	UJ	4.72	ND	U	4.67	ND	U	4.9
	3-NITROANILINE	N/A	N/A	N/A	ND	U	18.9	ND	U	18.9	ND	U	18.9	ND	U	20	ND	U	19.6	ND	U	19.2	ND	UJ	18.9	ND	U	18.7	ND	U	19.6
	4,6-DINITRO-2-METHYLPHENOL	N/A	N/A	N/A	ND	UJ	18.9	ND	UJ	18.9	ND	UJ	18.9	ND	U	20	ND	U	19.6	ND	U	19.2	ND	UJ	18.9	ND	UJ	18.7	ND	UJ	19.6
	4-BROMOPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81	ND	UJ	4.72	ND	U	4.67	ND	U	4.9
	4-CHLORO-3-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81	ND	UJ	4.72	ND	U	4.67	ND	U	4.9
	4-CHLOROANILINE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81	ND	UJ	4.72	ND	U	4.67	ND	U	4.9
	4-CHLOROPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81	ND	UJ	4.72	ND	U	4.67	ND	U	4.9
	4-NITROANILINE	N/A	N/A	N/A	ND	U	18.9	ND	U	18.9	ND	U	18.9	ND	U	20	ND	U	19.6	ND	U	19.2	ND	UJ	18.9	ND	U	18.7	ND	U	19.6
	4-NITROPHENOL	N/A	N/A	N/A	ND	U	18.9	ND	U	18.9	ND	U	18.9	ND	U	20	ND	U	19.6	ND	U	19.2	ND	UJ	18.9	ND	U	18.7	ND	U	19.6
	ACETOPHENONE	N/A	N/A	N/A	4.5	J	4.72	ND	U	4.72	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81	ND	UJ	4.72	ND	U	4.67	ND	U	4.9
	ATRAZINE	N/A	N/A	N/A	ND	UJ	4.72	ND	UJ	4.72	ND	UJ	4.72	ND	U	5	ND	U	4.9	ND	U	4.81	ND	UJ	4.72	ND	UJ	4.67	ND	UJ	4.9
	BENZALDEHYDE	N/A	N/A	N/A	ND	UJ	4.72	ND	UJ	4.72	ND	UJ	4.72	ND	UJ	5	ND	UJ	4.9	ND	UJ	4.81	ND	UJ	4.72	ND	UJ	4.67	ND	UJ	4.9
	BENZIDINE	N/A	N/A	N/A	ND	U	47.2	ND	U	47.2	ND	U	47.2	ND	U	50	ND	U	49	ND	U	48.1	ND	UJ	47.2	ND	U	46.7	ND	U	49
	BENZOIC ACID	N/A	N/A	N/A	ND	UJ	47.2	ND	UJ	47.2	ND	UJ	47.2	ND	U	50	ND	U	49	ND	U	48.1	ND	UJ	47.2	ND	UJ	46.7	ND	UJ	49
	BIS(2-CHLOROETHOXY)METHANE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81	ND	UJ	4.72	ND	U	4.67	ND	U	4.9
	BIS(2-CHLOROETHYL)ETHER	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81	ND	UJ	4.72	ND	U	4.67	ND	U	4.9
	BIS(2-CHLOROISOPROPYL)ETHER	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	UJ	5	ND	UJ	4.9	ND	U	4.81	ND	UJ	4.72	ND	U	4.67	ND	U	4.9
	BIS(2-ETHYLHEXYL)PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81	ND	UJ	4.72	ND	U	4.67	ND	U	4.9
	BUTYL BENZYL PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81	ND	UJ	4.72	ND	U	4.67	ND	U	4.9
	CAPROLACTAM	N/A	N/A	N/A	ND	UJ	4.72	ND	UJ	4.72	ND	UJ	4.72	7.17	J-	5	ND	UJ	4.9	ND	UJ	4.81	ND	UJ	4.72	ND	UJ	4.67	ND	UJ	4.9
	CARBAZOLE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81	ND	UJ	4.72	ND	U	4.67	ND	U	4.9
	DIBENZOFURAN	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81	ND	UJ	4.72	ND	U	4.67	ND	U	4.9
	DIETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81	ND	UJ	4.72	ND	U	4.67	ND	U	4.9
	DIMETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81	ND	UJ	4.72	ND	U	4.67	ND	U	4.9
	DI-N-BUTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81	ND	UJ	4.72	ND	U	4.67	ND	U	4.9
	DI-N-OCTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81	ND	UJ	4.72	ND	U	4.67	ND	U	4.9
	HEXACHLOROBENZENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81	ND	UJ	4.72	ND	U	4.67	ND	U	4.9
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81	ND	UJ	4.72	ND	U	4.67	ND	U	4.9
	HEXACHLOROCYCLOPENTADIENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81	ND	UJ	4.72	ND	U	4.67	ND	U	4.9
	HEXACHLOROETHANE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81	ND	UJ	4.72	ND	U	4.67	ND	U	4.9
	ISOPHORONE	N/A	N/A	N/A	1.43	J	4.72	ND	U	4.72	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81	ND	UJ	4.72	ND	U	4.67	ND	U	4.9
	NITROBENZENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81	ND	UJ	4.72	ND	U	4.67	ND	U	4.9
	N-NITROSO-DI-N-PROPYLAMINE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81	ND	UJ	4.72	ND	U	4.67	ND	U	4.9
	N-NITROSODIPHENYLAMINE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81	ND	UJ	4.72	ND	U	4.67	ND	U	4.9
	PENTACHLOROPHENOL	N/A	N/A	N/A	ND	U	18.9	ND	U	18.9	ND	U	18.9	ND	U	20	ND	U	19.6	ND	U	19.2	ND	UJ	18.9	ND	U	18.7	ND	U	19.6
	PHENOL	N/A	N/A	5	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81	ND	UJ	4.72	ND	U	4.67	ND	U	4.9
PAHs (µg/L)	1-METHYL NAPHTHALENE	N/A	N/A	30	1.76	J	4.72	ND	U	4.72	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81	ND	UJ	4.72	ND	U	4.67	ND	U	4.9
Method 8270C	2-METHYLNAPHTHALENE	N/A	N/A	30	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81	ND	UJ	4.72	ND	U	4.67	ND	U	4.9
	ACENAPHTHENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81	ND	UJ	4.72	ND	U	4.67	ND	U	4.9
	ACENAPHTHYLENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81	ND	UJ	4.72	ND	U	4.67	ND	U	4.9
	ANTHRACENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81	ND	UJ	4.72	ND	U	4.67	ND	U	4.9
	BENZO(A)ANTHRACENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81	ND	UJ	4.72	ND	U	4.67	ND	U	4.9
	BENZO(A)PYRENE	0.7	N/A	0.2	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81	ND	UJ	4.72	ND	U	4.67	ND	U	4.9
	BENZO(B)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81	ND	UJ	4.72	ND	U	4.67	ND	U	4.9
	BENZO(GHI)PERYLENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81	ND	UJ	4.72	ND	U	4.67	ND	U	4.9
	BENZO(K)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81	ND	UJ	4.72	ND	U	4.67	ND	U	4.9
	CHRYSENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81	ND	UJ	4.72	ND	U	4.67	ND	U	4.9
	DIBENZO(A,H)ANTHRACENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81	ND	UJ	4.72	ND	U	4.67	ND	U	4.9
	FLUORANTHENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81	ND	UJ	4.72	ND	U	4.67	ND	U	4.9
	FLUORENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81	ND	UJ	4.72	ND	U	4.67	ND	U	4.9
	INDENO(1,2,3-CD)PYRENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81	ND	UJ	4.72	ND	U	4.67	ND	U	4.9
	NAPHTHALENE	N/A	N/A	30	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81	ND	UJ	4.72	ND	U	4.67	ND	U	4.9
	PHENANTHRENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81	ND	UJ	4.72	ND	U	4.67	ND	U	4.9
	PYRENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81	ND	UJ	4.72	ND	U	4.67	ND	U	4.9
PAHs (µg/L)	1-METHYL NAPHTHALENE	N/A	N/A	30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Method 8270C	2-METHYLNAPHTHALENE	N/A	N/A	30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Low detection limit	ACENAPHTHENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	ACENAPHTHYLENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	ANTHRACENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(A)ANTHRACENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(A)PYRENE	0.7	N/A	0.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(B)FLUORANTHENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(GHI)PERYLENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(K)FLUORANTHENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	CHRYSENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	DIBENZO(A,H)ANTHRACENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	FLUORANTHENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	FLUORENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	INDENO(1,2,3-CD)PYRENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	NAPHTHALENE	N/A	N/A	30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	PHENANTHRENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	PYRENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table 5-1
Groundwater Analyitcal Results
October - December 2011

			LOCATION CODE	KAFB-106082			KAFB-106083			KAFB-106084			KAFB-106085			KAFB-106086			KAFB-106087			KAFB-106088			KAFB-106089			KAFB-106089		
			SAMPLE NO	GW0341			GW0342			GW0343			GW0344			GW0345			GW0346			GW0347			GW0348			GW0349		
			SAMPLE DATE	13-Oct-11			12-Oct-11			12-Oct-11			16-Nov-11			16-Nov-11			17-Nov-11			10-Oct-11			12-Oct-11			12-Oct-11		
			SAMPLE PURPOSE	REG			REG			REG			REG			REG			REG			REG			REG			FD		
			SAMPLE DEPTH	472-492 FT			495-510 FT			566-581 FT			447-477 FT			476-491 FT			546-561 FT			460-480 FT			482-497 FT			482-497 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec 20.6.2.3103)[b]	NMED Approved Background[b]	EPA MCLs[c,d]	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
Metals (mg/L)	CALCIUM	N/A	N/A	N/A	66.3		5	60.9		5	35.2		5	73.1		5	52		5	36.9		5	53.4		5	48.5		5	50.2		5
Method 6010B	IRON, DISSOLVED	1	N/A	0.3	0.625		0.1	ND	U	0.1	ND	U	0.1	ND	U	0.1	ND	U	0.1	ND	U	0.1	ND	U	0.1	ND	U	0.1	ND	U	0.1
	LEAD	0.05	0.01	0.015	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003
	MAGNESIUM	N/A	N/A	N/A	9.13		5	8		5	4.61	J	5	9.95		5	6.87		5	5.01		5	7.28		5	6.36		5	6.51		5
	MANGANESE, DISSOLVED	0.2	N/A	0.05	0.762		0.015	0.0202		0.015	ND	U	0.015	0.247		0.015	0.0394		0.015	ND	U	0.015	ND	U	0.015	ND	U	0.015	ND	U	0.015
	POTASSIUM	N/A	N/A	N/A	3.03	J	5	2.81	J	5	2.2	J	5	3.33	J	5	2.81	J	5	2.22	J	5	2.42	J	5	2.53	J	5	2.55	J	5
	SODIUM	N/A	N/A	N/A	31.4		5	29.8		5	24		5	29.1		5	25.3		5	23.6		5	25.5		5	28.1		5	28.1		5
Anions (mg/L)	AMMONIA (AS N) (Method 4500NH3BG)	N/A	N/A	N/A	ND	U	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3
Method E300.0	CHLORIDE	250	N/A	250	28		10	41.8		10	9.47	J	10	50.2		0.5	35.1		0.5	8.04	J	10	28.1		10	15.6		10	15.8		10
	NITROGEN, NITRATE-NITRITE (Method E353.2)	N/A	4	N/A	ND	U	1.5	ND	U	1.5	ND	U	1.5	ND	U	1.5	ND	U	1.5	ND	U	1.5	ND	U	1.5	ND	U	1.5	ND	U	1.5
	SULFATE	600	N/A	250	48.9		20	49		20	27.2		20	47.3		2	37.8		2	30		20	39.3		20	30.6		20	30.6		20
	SULFIDE, TOTAL (Method 4500SC2F)	N/A	N/A	N/A	ND	U	3.39	ND	U	3.7	ND	U	3.7	ND	U	3.45	ND	U	3.39	ND	U	3.45	ND	U	3.45	ND	U	3.39	ND	U	3.45
Alkalinity (mg/L)	ALKALINITY, BICARBONATE (AS CACO3)	N/A	N/A	N/A	138		1	109		1	103		1	147		1	115		1	95.3		1	122		1	134		1	129		1
Method SM2320B	ALKALINITY, CARBONATE (AS CACO3)	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	5.77		1	ND	U	1	ND	U	1
Field Parameters	Temperature (°C)	N/A	N/A	N/A	18.89			19.26			19.20			18.68			18.81			18.98			18.66			18.73			18.73		
	pH (S.U.)	N/A	N/A	N/A	7.60			7.64			7.84			7.43			7.55			7.81			7.71			7.71			7.71		
	Spec Cond (µS/cm2)	N/A	N/A	N/A	486.6			467.3			282.7			549.1			414.1			283.2			426.6			368.7			368.7		
	DO (mg/L)	N/A	N/A	N/A	0.24			7.13			11.58			0.25			6.92			14.85			4.64			4.95			4.95		
	ORP (mV)	N/A	N/A	N/A	-136			155			187			52			137			348			143			170			170		
	Turbidity (NTU)	N/A	N/A	N/A	2.78			0.93			1.74			1.14			1.10			1.33			1.00			1.31			1.31		
	Alkalinity (mg/L as CaCO3)	N/A	N/A	N/A	149			108			112			150			138			128			140			123			123		

The NMWQCC standard and EPA MCL for m,p- xylene and o-xylene is for total xylenes.

a EPA analytical methods listed are for the most recent sampling event.

b NMED-HWB Approved Background Concentrations, SNL/Kirtland AFB, Chemical Constituents in Ground Water.

Concentrations exceeding background are shown in italics, if applicable.

c EPA National Primary Drinking Water Standards - Maximum Contaminant Levels (MCLs), or if more stringent,

New Mexico Water Quality Control Commission (WQCC) Regulations as denoted by "*".

Concentrations exceeding standards are **BOLD**.

d The WQCC regulation for PAHs of 30 ug/L is a total of the concentrations of naphthalene,

1-methylnaphthalene, and 2-methylnaphthalene.

Shading indicates the analyte was detected.

Bold indicated analyte detected greater than regulatory standard

J = estimated value, concentration is less than RL but greater than laboratory method detection limit (MDL).

J+ = estimated value, concentration is less than RL but greater than laboratory method detection limit (MDL); biased high.

J- = estimated value, concentration is less than RL but greater than laboratory method detection limit (MDL); biased high.

U = Analyte was not detected. The reported numerical value is at or below the RL .

UJ = Analyte was *tentatively* not detected. The reported numerical value is at or below the RL.

N/A = Not applicable

ND = Not detected

NM = Not measured due to equipment malfunction.

NR = Not recorded or reported due to operational error

NR-EF = Not recorded due to equipment malfunction or failure

R = sample data rejected due to site contamination

Table 5-1
Groundwater Analyitcal Results
October - December 2011

			LOCATION CODE	KAFB-106090			KAFB-106091			KAFB-106092			KAFB-106093			KAFB-106094			KAFB-106095			KAFB-106095			KAFB-106096			KAFB-106097		
			SAMPLE NO	GW0350			GW0351			GW0352			GW0353			GW0354			GW0355			GW0356			GW0357			GW0359		
			SAMPLE DATE	11-Oct-11			16-Nov-11			15-Nov-11			16-Nov-11			13-Oct-11			19-Oct-11			19-Oct-11			20-Oct-11			5-Oct-11		
			SAMPLE PURPOSE	REG			REG			REG			REG			REG			REG			FD			REG			REG		
			SAMPLE DEPTH	555-570 FT			454-474 FT			474-487 FT			544-557 FT			484-504 FT			504-519 FT			504-519 FT			576-591 FT			506-521 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[b]	NMED Approved Background[b]	EPA MCLs[c,d]	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
TPH (µg/L)	DIESEL RANGE ORGANICS	N/A	N/A	N/A	ND	U	94.3	1720		93.5	3180		96.2	ND	U	94.3	13100		943	1650		94.3	1640		96.2	ND	U	98	ND	UJ	95.2
Method 8015B	GASOLINE RANGE ORGANICS	N/A	N/A	N/A	ND	U	150	596		150	1360		150	ND	U	150	1670		150	232		150	227		150	ND	U	150	ND	U	150
VOCs (µg/L)	1,1,1,2-TETRACHLOROETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
Method 8260B	1,1,1-TRICHLOROETHANE	60	N/A	60	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,1,2,2-TETRACHLOROETHANE	10	N/A	10	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,1,2-TRICHLOROETHANE	100	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,1-DICHLOROETHANE	25	N/A	25	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,1-DICHLOROETHENE	5	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,1-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,2,3-TRICHLOROBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,2,3-TRICHLOROPROPANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2
	1,2,4-TRICHLOROBENZENE	N/A	N/A	70	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,2,4-TRIMETHYLBENZENE	N/A	N/A	N/A	ND	U	1	0.455	J	1	1.76		1	ND	U	1	1.3		1	ND	U	1	0.727	J	1	ND	U	1	ND	U	1
	1,2-DIBROMO-3-CHLOROPROPANE	N/A	N/A	0.2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2
	1,2-DIBROMOETHANE	0.1	N/A	0.05	ND	U	1	ND	U	1	ND	U	1	ND	U	1	2.02		1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,2-DIBROMOETHANE (Method 8011)	0.1	N/A	0.05	ND	U	0.0287	ND	U	0.0281	0.146	J	0.0281	ND	U	0.0279	2.32		0.142	0.0375	J	0.0285	0.0439	J	0.0288	ND	U	0.0283	ND	U	0.0286
	1,2-DICHLOROBENZENE	N/A	N/A	600	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,2-DICHLOROETHANE	10	N/A	5	ND	U	1	1.33		1	2.49		1	ND	U	1	2.44		1	1.64		1	1.75		1	ND	U	1	ND	U	1
	1,2-DICHLOROPROPANE	N/A	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,3,5-TRIMETHYLBENZENE	N/A	N/A	N/A	ND	U	1	0.895	J	1	5.19		1	ND	U	1	1.93		1	0.594	J	1	0.639	J	1	ND	U	1	ND	U	1
	1,3-DICHLOROBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,3-DICHLOROPROPANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,4-DICHLOROBENZENE	N/A	N/A	75	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	2,2-DICHLOROPROPANE	N/A	N/A	N/A	ND	UJ	1	ND	U	1	ND	U	1	ND	U	1	ND	UJ	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	2-BUTANONE	N/A	N/A	N/A	ND	U	10	ND	U	10	2.82	J	10	ND	U	10	ND	UJ	10	ND	U	10	ND	U	10	ND	U	10	ND	U	10
	2-CHLOROTOLUENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	2-HEXANONE	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	82.9		5	ND	U	5	ND	U	5	ND	U	5	ND	U	5
	4-CHLOROTOLUENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	4-METHYL-2-PENTANONE	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	UJ	5	ND	U	5	ND	U	5	ND	UJ	5	ND	UJ	5
	ACETONE	N/A	N/A	N/A	ND	U	10	ND	U	10	ND	U	10	ND	U	10	28.5		10	8.94	J+	10	8.26	J+	10	ND	U	10	ND	U	10
	BENZENE	10	N/A	5	ND	U	1	ND	U	1	0.922	J	1	ND	U	1	63.3		1	0.907	J	1	0.913	J	1	ND	U	1	ND	U	1
	BROMOBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	BROMOCHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	BROMODICHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	BROMOFORM	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	BROMOMETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	2	ND	UJ	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2
	CARBON DISULFIDE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	UJ	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	CARBON TETRACHLORIDE	10	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	CHLOROBENZENE	N/A	N/A	100	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	CHLOROETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2
	CHLOROFORM	100	N/A	100	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	CHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	CIS-1,2-DICHLOROETHENE	N/A	N/A	70	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	CIS-1,3-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	DIBROMOCHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	DIBROMOMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	DICHLORODIFLUOROMETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2
	ETHYLBENZENE	750	N/A	700	ND	U	1	ND	U	1	ND	U	1	ND	U	1	11.9		1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	1	ND	UJ	1	ND	UJ	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	ISOPROPYLBENZENE	N/A	N/A	N/A	ND	U	1	1.72		1	8.11		1	ND	U	1	1.59		1	2.72		1	2.71		1	ND	U	1	ND	U	1
	METHYL TERT-BUTYL ETHER	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	0.52	J-	1	1.12		1	1.15		1	ND	UJ	1	ND	UJ	1
	METHYLENE CHLORIDE	100	N/A	5	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2
	NAPHTHALENE	N/A	N/A	30	ND	U	1	ND	U	1	ND	U	1	ND	U	1	11.6		1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	N-BUTYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	0.383	J	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	N-PROPYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	0.264	J	1	ND	U	1	0.493	J	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	P-ISOPROPYLTOLUENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	0.411	J	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	SEC-BUTYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	0.449	J	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	STYRENE	N/A	N/A	100	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	TERT-BUTYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	TETRACHLOROETHENE	N/A	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	TOLUENE	750	N/A	750	0.911	J	1	ND	U	1	ND	U	1	ND	U	1	3.93		1	0.603	J	1	0.581	J	1	0.52	J	1	ND	U	1
	TRANS-1,2-DICHLOROETHENE	N/A	N/A	100	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	UJ	1
	TRANS-1,3-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	TRICHLOROETHENE	N/A	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	TRICHLOROFLUOROMETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2
	VINYL CHLORIDE	1	N/A	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	XYLENES	620	N/A	10000	ND	U	3	0.752	J	3	4.4		3	ND	U	3	4.87		3	ND	U	3	ND	U	3	ND	U	3	ND	U	3

Table 5-1
Groundwater Analyitcal Results
October - December 2011

					LOCATION CODE	KAFB-106090			KAFB-106091			KAFB-106092			KAFB-106093			KAFB-106094			KAFB-106095			KAFB-106095			KAFB-106096			KAFB-106097		
					SAMPLE NO	GW0350			GW0351			GW0352			GW0353			GW0354			GW0355			GW0356			GW0357			GW0359		
					SAMPLE DATE	11-Oct-11			16-Nov-11			15-Nov-11			16-Nov-11			13-Oct-11			19-Oct-11			19-Oct-11			20-Oct-11			5-Oct-11		
					SAMPLE PURPOSE	REG			REG			REG			REG			REG			REG			FD			REG			REG		
					SAMPLE DEPTH	555-570 FT			454-474 FT			474-487 FT			544-557 FT			484-504 FT			504-519 FT			504-519 FT			576-591 FT			506-521 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec 20.6.2.3103)[b]	NMED Approved Background[b]	EPA MCLs[c,d]	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
SVOCs (ug/L)	1,1-BIPHENYL	N/A	N/A	N/A	ND	UJ	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	5.56	ND	U	4.81
Method 8270C	1,2-DIPHENYLHYDRAZINE	N/A	N/A	N/A	ND	UJ	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	5.56	ND	U	4.81
	2,4,5-TRICHLOROPHENOL	N/A	N/A	N/A	ND	UJ	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	5.56	ND	U	4.81
	2,4,6-TRICHLOROPHENOL	N/A	N/A	N/A	ND	UJ	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	5.56	ND	U	4.81
	2,4-DICHLOROPHENOL	N/A	N/A	N/A	ND	UJ	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	5.56	ND	U	4.81
	2,4-DIMETHYLPHENOL	N/A	N/A	N/A	ND	UJ	19.6	ND	U	18.9	ND	U	18.9	ND	U	19.2	ND	U	18.9	ND	U	19.2	ND	U	19.2	ND	U	19.2	ND	U	22.2	ND	U	19.2
	2,4-DINITROPHENOL	N/A	N/A	N/A	ND	UJ	49	ND	U	47.2	ND	U	47.2	ND	U	48.1	ND	UJ	47.2	ND	U	48.1	ND	U	48.1	ND	U	55.6	ND	UJ	48.1	ND	UJ	48.1
	2,4-DINITROTOLUENE	N/A	N/A	N/A	ND	UJ	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	5.56	ND	U	4.81	ND	U	4.81
	2,6-DINITROTOLUENE	N/A	N/A	N/A	ND	UJ	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	5.56	ND	U	4.81	ND	U	4.81
	2-CHLORONAPHTHALENE	N/A	N/A	N/A	ND	UJ	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	5.56	ND	U	4.81	ND	U	4.81
	2-CHLOROPHENOL	N/A	N/A	N/A	ND	UJ	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	5.56	ND	U	4.81	ND	U	4.81
	2-METHYLPHENOL	N/A	N/A	N/A	ND	UJ	4.9	ND	UJ	4.72	7.43	J-	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	5.56	ND	U	4.81	ND	U	4.81
	2-NITROANILINE	N/A	N/A	N/A	ND	UJ	19.6	ND	U	18.9	ND	U	18.9	ND	U	19.2	ND	U	18.9	ND	U	19.2	ND	U	19.2	ND	U	22.2	ND	U	19.2	ND	U	19.2
	2-NITROPHENOL	N/A	N/A	N/A	ND	UJ	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	5.56	ND	U	4.81	ND	U	4.81
	3,3'-DICHLOROBENZIDINE	N/A	N/A	N/A	ND	UJ	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	5.56	ND	U	4.81	ND	U	4.81
	3-METHYLPHENOL AND 4-METHYLPHENOL	N/A	N/A	N/A	ND	UJ	4.9	ND	U	4.72	2.57	J	4.72	ND	U	4.81	16		4.72	3.48	J	4.81	4.03	J	4.81	ND	U	5.56	ND	U	4.81	ND	U	4.81
	3-NITROANILINE	N/A	N/A	N/A	ND	UJ	19.6	ND	U	18.9	ND	U	18.9	ND	U	19.2	ND	U	18.9	ND	U	19.2	ND	U	19.2	ND	U	22.2	ND	U	19.2	ND	U	19.2
	4,6-DINITRO-2-METHYLPHENOL	N/A	N/A	N/A	ND	UJ	19.6	ND	U	18.9	ND	U	18.9	ND	U	19.2	ND	UJ	18.9	ND	U	19.2	ND	U	19.2	ND	U	22.2	ND	UJ	19.2	ND	U	19.2
	4-BROMOPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	UJ	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	5.56	ND	U	4.81	ND	U	4.81
	4-CHLORO-3-METHYLPHENOL	N/A	N/A	N/A	ND	UJ	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	5.56	ND	U	4.81	ND	U	4.81
	4-CHLOROANILINE	N/A	N/A	N/A	ND	UJ	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	5.56	ND	U	4.81	ND	U	4.81
	4-CHLOROPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	UJ	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	5.56	ND	U	4.81	ND	U	4.81
	4-NITROANILINE	N/A	N/A	N/A	ND	UJ	19.6	ND	U	18.9	ND	U	18.9	ND	U	19.2	ND	U	18.9	ND	U	19.2	ND	U	19.2	ND	U	22.2	ND	UJ	19.2	ND	U	19.2
	4-NITROPHENOL	N/A	N/A	N/A	ND	UJ	19.6	ND	U	18.9	ND	U	18.9	ND	U	19.2	ND	U	18.9	ND	U	19.2	ND	U	19.2	ND	U	22.2	ND	U	19.2	ND	U	19.2
	ACETOPHENONE	N/A	N/A	N/A	ND	UJ	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	59.4		4.72	ND	U	4.81	ND	U	4.81	ND	U	5.56	ND	U	4.81	ND	U	4.81
	ATRAZINE	N/A	N/A	N/A	ND	UJ	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	UJ	4.72	ND	UJ	4.81	ND	UJ	4.81	ND	UJ	5.56	ND	U	4.81	ND	U	4.81
	BENZALDEHYDE	N/A	N/A	N/A	ND	UJ	4.9	ND	UJ	4.72	ND	UJ	4.72	ND	UJ	4.81	ND	UJ	4.72	ND	UJ	4.81	ND	UJ	4.81	ND	UJ	5.56	ND	U	4.81	ND	U	4.81
	BENZIDINE	N/A	N/A	N/A	ND	UJ	49	ND	U	47.2	ND	U	47.2	ND	U	48.1	ND	U	47.2	ND	U	48.1	ND	U	48.1	ND	U	55.6	ND	U	48.1	ND	U	48.1
	BENZOIC ACID	N/A	N/A	N/A	ND	UJ	49	ND	U	47.2	ND	U	47.2	ND	U	48.1	ND	UJ	47.2	ND	U	48.1	ND	U	48.1	ND	U	55.6	ND	UJ	48.1	ND	UJ	48.1
	BIS(2-CHLOROETHOXY)METHANE	N/A	N/A	N/A	ND	UJ	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	5.56	ND	U	4.81	ND	U	4.81
	BIS(2-CHLOROETHYL)ETHER	N/A	N/A	N/A	ND	UJ	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	5.56	ND	U	4.81	ND	U	4.81
	BIS(2-CHLOROISOPROPYL)ETHER	N/A	N/A	N/A	ND	UJ	4.9	ND	UJ	4.72	ND	UJ	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	5.56	ND	U	4.81	ND	U	4.81
	BIS(2-ETHYLHEXYL)PHTHALATE	N/A	N/A	N/A	ND	UJ	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	23.5		4.72	ND	U	4.81	ND	U	4.81	ND	U	5.56	ND	U	4.81	ND	U	4.81
	BUTYL BENZYL PHTHALATE	N/A	N/A	N/A	ND	UJ	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	5.56	ND	U	4.81	ND	U	4.81
	CAPROLACTAM	N/A	N/A	N/A	ND	UJ	4.9	ND	UJ	4.72	ND	UJ	4.72	ND	UJ	4.81	ND	UJ	4.72	2.44	J	4.81	ND	U	4.81	ND	U	5.56	ND	UJ	4.81	ND	U	4.81
	CARBAZOLE	N/A	N/A	N/A	ND	UJ	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	5.56	ND	U	4.81	ND	U	4.81
	DIBENZOFURAN	N/A	N/A	N/A	ND	UJ	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	5.56	ND	U	4.81	ND	U	4.81
	DIETHYL PHTHALATE	N/A	N/A	N/A	ND	UJ	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	5.56	ND	U	4.81	ND	U	4.81
	DIMETHYL PHTHALATE	N/A	N/A	N/A	ND	UJ	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	5.56	ND	U	4.81	ND	U	4.81
	DI-N-BUTYL PHTHALATE	N/A	N/A	N/A	ND	UJ	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	5.56	ND	U	4.81	ND	U	4.81
	DI-N-OCTYL PHTHALATE	N/A	N/A	N/A	ND	UJ	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	5.56	ND	U	4.81	ND	U	4.81
	HEXACHLOROBENZENE	N/A	N/A	N/A	ND	UJ	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	5.56	ND	U	4.81	ND	U	4.81
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	UJ	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	5.56	ND	U	4.81	ND	U	4.81
	HEXACHLOROCYCLOPENTADIENE	N/A	N/A	N/A	ND	UJ	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	5.56	ND	U	4.81	ND	U	4.81
	HEXACHLOROETHANE	N/A	N/A	N/A	ND	UJ	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	5.56	ND	UJ	4.81	ND	U	4.81
	ISOPHORONE	N/A	N/A	N/A	ND	UJ	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	5.56	ND	U	4.81	ND	U	4.81
	NITROBENZENE	N/A	N/A	N/A	ND	UJ	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	5.56	ND	U	4.81	ND	U	4.81
	N-NITROSO-DI-N-PROPYLAMINE	N/A	N/A	N/A	ND	UJ	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	5.56	ND	U	4.81	ND	U	4.81
	N-NITROSODIPHENYLAMINE	N/A	N/A	N/A	ND	UJ	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	5.56	ND	U	4.81	ND	U	4.81
	PENTACHLOROPHENOL	N/A	N/A	N/A	ND	UJ	19.6	ND	U	18.9	ND	U	18.9	ND	U	19.2	ND	U	18.9	ND	U	19.2	ND	U	19.2	ND	U	22.2	ND	U	19.2	ND	U	19.2
	PHENOL	N/A	N/A	5	ND	UJ	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	5.56	ND	U	4.81	ND	U	4.81
PAHs (µg/L)	1-METHYL NAPHTHALENE	N/A	N/A	30	ND	UJ	4.9	ND	U	4.72	1.19	J	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	5.56	ND	U	4.81	ND	U	4.81
Method 8270C	2-METHYLNAPHTHALENE	N/A	N/A	30	ND	UJ	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	5.56	ND	U	4.81	ND	U	4.81
	ACENAPHTHENE	N/A	N/A	N/A	ND	UJ	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	5.56	ND	U	4.81	ND	U	4.81
	ACENAPHTHYLENE	N/A	N/A	N/A	ND	UJ	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	5.56	ND	U	4.81	ND	U	4.81
	ANTHRACENE	N/A	N/A	N/A	ND	UJ	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	5.56	ND	U	4.81	ND	U	4.81
	BENZO(A)ANTHRACENE	N/A	N/A	N/A	ND	UJ	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	5.56	ND	U	4.81	ND	U	4.81
	BENZO(A)PYRENE	0.7	N/A	0.2	ND	UJ	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	5.56	ND	U	4.81	ND	U	4.81
	BENZO(B)FLUORANTHENE	N/A	N/A	N/A	ND	UJ	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	5.56	ND	U	4.81	ND	U	4.81
	BENZO(GHI)PERYLENE	N/A	N/A	N/A	ND	UJ	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	UJ	4.81	ND	UJ	4.81	ND	UJ	5.56	ND	U	4.81	ND	U	4.81
	BENZO(K)FLUORANTHENE	N/A	N/A	N/A	ND	UJ	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	5.56	ND	U	4.81	ND	U	4.81
	CHRYSENE	N/A	N/A	N/A	ND	UJ	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	5.56	ND	U	4.81	ND	U	4.81
	DIBENZO(A,H)ANTHRACENE	N/A	N/A	N/A	ND	UJ	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	5.56	ND	U	4.81	ND	U	4.81
	FLUORANTHENE	N/A	N/A	N/A	ND	UJ	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	5.56	ND	U	4.81	ND	U	4.81
	FLUORENE	N/A	N/A	N/A	ND	UJ	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	5.56	ND	U	4.81	ND	U	4.81
	INDENO(1,2,3-CD)PYRENE	N/A	N/A	N/A	ND	UJ	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	5.56	ND	U	4.81	ND	U	4.81
	NAPHTHALENE	N/A	N/A	30	ND	UJ	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	5.11		4.72	ND	U	4.81	ND	U	4.81	ND	U	5.56	ND	U	4.81	ND	U	4.81
	PHENANTHRENE	N/A	N/A	N/A	ND	UJ	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	5.56	ND	U	4.81	ND	U	4.81
	PYRENE	N/A	N/A	N/A	ND	UJ	4.9	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	5.56	ND	U	4.81	ND	U	4.81
PAHs (µg/L)	1-METHYL NAPHTHALENE	N/A	N/A	30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Method 8270C	2-METHYLNAPHTHALENE	N/A	N/A	30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Low detection limit	ACENAPHTHENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	ACENAPHTHYLENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	ANTHRACENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(A)ANTHRACENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(A)PYRENE	0.7	N/A	0.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(B)FLUORANTHENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(GHI)PERYLENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(K)FLUORANTHENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	CHRYSENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	DIBENZO(A,H)ANTHRACENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	FLUORANTHENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	FLUORENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	INDENO(1,2,3-CD)PYRENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	NAPHTHALENE	N/A	N/A	30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	PHENANTHRENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	PYRENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table 5-1
Groundwater Analyitcal Results
October - December 2011

			LOCATION CODE	KAFB-106090			KAFB-106091			KAFB-106092			KAFB-106093			KAFB-106094			KAFB-106095			KAFB-106095			KAFB-106096			KAFB-106097		
			SAMPLE NO	GW0350			GW0351			GW0352			GW0353			GW0354			GW0355			GW0356			GW0357			GW0359		
			SAMPLE DATE	11-Oct-11			16-Nov-11			15-Nov-11			16-Nov-11			13-Oct-11			19-Oct-11			19-Oct-11			20-Oct-11			5-Oct-11		
			SAMPLE PURPOSE	REG			REG			REG			REG			REG			REG			FD			REG			REG		
			SAMPLE DEPTH	555-570 FT			454-474 FT			474-487 FT			544-557 FT			484-504 FT			504-519 FT			504-519 FT			576-591 FT			506-521 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[a]	NMED Approved Background[b]	EPA MCLs[c,d]	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
Metals (mg/L)	CALCIUM	N/A	N/A	N/A	33.3		5	60.8		5	56.3		5	36.8		5	77.9		5	59.1		5	60.5		5	35.6		5	56.1		5
Method 6010B	IRON, DISSOLVED	1	N/A	0.3	ND	U	0.1	0.181		0.1	ND	U	0.1	ND	U	0.1	1.81		0.1	ND	U	0.1	ND	U	0.1	ND	U	0.1	ND	U	0.1
	LEAD	0.05	0.01	0.015	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003
	MAGNESIUM	N/A	N/A	N/A	4.59	J	5	7.92		5	7.39		5	4.84	J	5	11		5	8.54		5	8.63		5	4.88	J	5	8		5
	MANGANESE, DISSOLVED	0.2	N/A	0.05	0.0054	J	0.015	0.0494		0.015	0.0159		0.015	ND	U	0.015	0.796		0.015	0.193		0.015	0.201		0.015	0.00421	J	0.015	ND	U	0.015
	POTASSIUM	N/A	N/A	N/A	1.98	J	5	3.04	J	5	2.75	J	5	2.28	J	5	3.52	J	5	2.81	J	5	2.83	J	5	2.12	J	5	2.71	J	5
	SODIUM	N/A	N/A	N/A	21.3		5	28.1		5	25.6		5	23.3		5	34.5		5	28	J+	5	27.9	J+	5	23.7	J+	5	25.9		5
Anions (mg/L)	AMMONIA (AS N) (Method 4500NH3BG)	N/A	N/A	N/A	ND	U	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3	0.332		0.3	ND	U	0.3	ND	U	0.3
Method E300.0	CHLORIDE	250	N/A	250	10.2		10	26.9		0.5	33.6		0.5	7.86	J	10	33.8		10	19.1		1	19.3		1	9.56	J	10	24.8	J-	10
	NITROGEN, NITRATE-NITRITE (Method E353.2)	N/A	4	N/A	ND	U	1.5	ND	U	1.5	ND	U	1.5	ND	U	1.5	ND	U	1.5	0.334	J	1.5	0.352	J	1.5	ND	U	1.5	ND	U	1.5
	SULFATE	600	N/A	250	28.7		20	44.2		2	50.3		2	29.9		20	47.7		20	39.9		2	40		2	25.7		20	51.4	J-	20
	SULFIDE, TOTAL (Method 4500SC2F)	N/A	N/A	N/A	ND	U	3.7	ND	U	3.7	ND	U	3.7	ND	U	3.45	ND	U	3.45	ND	U	3.39	ND	U	3.45	ND	U	3.7	0.741	J	3.7
Alkalinity (mg/L)	ALKALINITY, BICARBONATE (AS CACO3)	N/A	N/A	N/A	108		1	133		1	111		1	99.2		1	153		1	153		1	152		1	96.4		1	125		1
Method SM2320B	ALKALINITY, CARBONATE (AS CACO3)	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
Field Parameters	Temperature (°C)	N/A	N/A	N/A	19.68			18.80			18.75			19.05			18.93			19.00			19.00			19.16			19.44		
	pH (S.U.)	N/A	N/A	N/A	7.67			7.51			7.54			7.55			7.40			7.31			7.31			7.68			7.71		
	Spec Cond (µS/cm2)	N/A	N/A	N/A	303.6			435.0			442.7			277.8			536.3			459.0			459.0			284.5			444.3		
	DO (mg/L)	N/A	N/A	N/A	8.35			4.56			5.56			8.21			0.34			2.23			2.23			5.16			10.32		
	ORP (mV)	N/A	N/A	N/A	155			154			167			167			-120			70			70			150			107		
	Turbidity (NTU)	N/A	N/A	N/A	1.09			0.71			1.25			0.96			3.03			1.36			1.36			1.35			1.45		
	Alkalinity (mg/L as CaCO3)	N/A	N/A	N/A	114			132			126			121			133			128			128			152			136		

The NMWQCC standard and EPA MCL for m,p- xylene and o-xylene is for total xylenes.

a EPA analytical methods listed are for the most recent sampling event.

b NMED-HWB Approved Background Concentrations, SNL/Kirtland AFB, Chemical Constituents in Ground Water.
Concentrations exceeding background are shown in italics, if applicable.

c EPA National Primary Drinking Water Standards - Maximum Contaminant Levels (MCLs), or if more stringent,
New Mexico Water Quality Control Commission (WQCC) Regulations as denoted by "**".
Concentrations exceeding standards are **BOLD**.

d The WQCC regulation for PAHs of 30 ug/L is a total of the concentrations of naphthalene,
1-methylnaphthalene, and 2-methylnaphthalene.

Shading indicates the analyte was detected.

Bold indicated analyte detected greater than regulatory standard

J = estimated value, concentration is less than RL but greater than laboratory method detection limit (MDL).

J+ = estimated value, concentration is less than RL but greater than laboratory method detection limit (MDL); biased high.

J- = estimated value, concentration is less than RL but greater than laboratory method detection limit (MDL); biased high.

U = Analyte was not detected. The reported numerical value is at or below the RL.

UJ = Analyte was *tentatively* not detected. The reported numerical value is at or below the RL.

N/A = Not applicable

ND = Not detected

NM = Not measured due to equipment malfunction.

NR = Not recorded or reported due to operational error.

NR-EF = Not recorded due to equipment malfunction or failure

R = sample data rejected due to site contamination.

Table 5-1
Groundwater Analyitcal Results
October - December 2011

			LOCATION CODE	KAFB-106098			KAFB-106099			KAFB-106100			KAFB-106100			KAFB-106101			KAFB-106102			KAFB-106103			KAFB-106104			KAFB-106105		
			SAMPLE NO	GW0360			GW0362			GW0363			GW0364			GW0366			GW0367			GW0369			GW0370			GW0371		
			SAMPLE DATE	5-Oct-11			9-Nov-11			9-Nov-11			9-Nov-11			20-Oct-11			20-Oct-11			10-Oct-11			3-Oct-11			17-Oct-11		
			SAMPLE PURPOSE	REG			REG			REG			FD			REG			REG			REG			REG			REG		
			SAMPLE DEPTH	531-546 ft			501-516 FT			526-541 FT			526-541 FT			496-511 FT			521-535 FT			485-500 FT			510-525 FT			484-499 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec 20.6.2.3103)[b]	NMED Approved Background[b]	EPA MCLs[c,d]	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
TPH (µg/L)	DIESEL RANGE ORGANICS	N/A	N/A	N/A	ND	UJ	96.2	ND	U	94.3	ND	U	93.5	ND	U	93.5	ND	U	96.2	ND	U	94.3	ND	U	100	ND	UJ	200	ND	U	98
Method 8015B	GASOLINE RANGE ORGANICS	N/A	N/A	N/A	ND	U	150	ND	U	150	ND	U	150	ND	U	150	ND	U	150	ND	U	150	ND	U	150	ND	U	150	ND	U	150
VOCs (µg/L)	1,1,1,2-TETRACHLOROETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
Method 8260B	1,1,1-TRICHLOROETHANE	60	N/A	60	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,1,2,2-TETRACHLOROETHANE	10	N/A	10	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,1,2-TRICHLOROETHANE	100	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,1-DICHLOROETHANE	25	N/A	25	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	UJ	1	ND	U	1
	1,1-DICHLOROETHENE	5	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,1-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,2,3-TRICHLOROBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,2,3-TRICHLOROPROPANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2
	1,2,4-TRICHLOROBENZENE	N/A	N/A	70	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,2,4-TRIMETHYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,2-DIBROMO-3-CHLOROPROPANE	N/A	N/A	0.2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2
	1,2-DIBROMOETHANE	0.1	N/A	0.05	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,2-DIBROMOETHANE (Method 8011)	0.1	N/A	0.05	ND	U	0.0287	ND	U	0.0287	ND	U	0.0282	ND	U	0.0283	ND	U	0.0284	ND	U	0.0285	ND	U	0.0286	ND	U	0.0286	0.0775	J	0.0283
	1,2-DICHLOROBENZENE	N/A	N/A	600	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,2-DICHLOROETHANE	10	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,2-DICHLOROPROPANE	N/A	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,3,5-TRIMETHYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,3-DICHLOROBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,3-DICHLOROPROPANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,4-DICHLOROBENZENE	N/A	N/A	75	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	2,2-DICHLOROPROPANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	UJ	1	ND	UJ	1	ND	U	1	ND	U	1	ND	U	1
	2-BUTANONE	N/A	N/A	N/A	ND	U	10	ND	U	10	ND	U	10	ND	U	10	ND	U	10	ND	U	10	ND	U	10	ND	U	10	ND	U	10
	2-CHLOROTOLUENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	2-HEXANONE	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	5
	4-CHLOROTOLUENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	4-METHYL-2-PENTANONE	N/A	N/A	N/A	ND	UJ	5	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	UJ	5	ND	U	5	ND	UJ	5
	ACETONE	N/A	N/A	N/A	ND	U	10	ND	U	10	ND	U	10	ND	U	10	ND	U	10	ND	U	10	ND	U	10	ND	U	10	ND	U	10
	BENZENE	10	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	BROMOBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	BROMOCHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	BROMODICHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	BROMOFORM	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	BROMOMETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	UJ	2	ND	UJ	2	ND	UJ	2
	CARBON DISULFIDE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	CARBON TETRACHLORIDE	10	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	CHLOROBENZENE	N/A	N/A	100	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	CHLOROETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	UJ	2	ND	U	2	ND	U	2
	CHLOROFORM	100	N/A	100	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	CHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	0.677	J	1	ND	U	1	ND	U	1	ND	UJ	1	ND	U	1	ND	U	1
	CIS-1,2-DICHLOROETHENE	N/A	N/A	70	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	CIS-1,3-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	DIBROMOCHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	DIBROMOMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	DICHLORODIFLUOROMETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2
	ETHYLBENZENE	750	N/A	700	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	ISOPROPYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	METHYL TERT-BUTYL ETHER	N/A	N/A	N/A	ND	UJ	1	ND	U	1	ND	U	1	ND	U	1	ND	UJ	1	ND	UJ	1	ND	UJ	1	ND	UJ	1	ND	UJ	1
	METHYLENE CHLORIDE	100	N/A	5	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	UJ	2	ND	U	2
	NAPHTHALENE	N/A	N/A	30	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	N-BUTYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	N-PROPYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	P-ISOPROPYLTOLUENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	SEC-BUTYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	STYRENE	N/A	N/A	100	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	TERT-BUTYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	TETRACHLOROETHENE	N/A	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	TOLUENE	750	N/A	750	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	0.864	J	1	0.958	J	1	1.19		1
	TRANS-1,2-DICHLOROETHENE	N/A	N/A	100	ND	UJ	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	UJ	1	ND	U	1
	TRANS-1,3-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	TRICHLOROETHENE	N/A	N/A	5	ND	U	1	0.502	J	1	0.453	J	1	0.439	J	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	TRICHLOROFLUOROMETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	UJ	2	ND	UJ	2	ND	U	2	ND	U	2	ND	U	2
	VINYL CHLORIDE	1	N/A	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	XYLENES	620	N/A	10000	ND	U	3	ND	U	3	ND	U	3	ND	U	3	ND	U	3	ND	U	3	ND	U	3	ND	U	3	ND	U	3

Table 5-1
Groundwater Analyitcal Results
October - December 2011

			LOCATION CODE	KAFB-106098			KAFB-106099			KAFB-106100			KAFB-106100			KAFB-106101			KAFB-106102			KAFB-106103			KAFB-106104			KAFB-106105		
			SAMPLE NO	GW0360			GW0362			GW0363			GW0364			GW0366			GW0367			GW0369			GW0370			GW0371		
			SAMPLE DATE	5-Oct-11			9-Nov-11			9-Nov-11			9-Nov-11			20-Oct-11			20-Oct-11			10-Oct-11			3-Oct-11			17-Oct-11		
			SAMPLE PURPOSE	REG			REG			REG			FD			REG			REG			REG			REG			REG		
			SAMPLE DEPTH	531-546 ft			501-516 FT			526-541 FT			526-541 FT			496-511 FT			521-535 FT			485-500 FT			510-525 FT			484-499 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec 20.6.2.3103)[b]	NMED Approved Background[c]	EPA MCLs[c,d]	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
SVOCs (µg/L)	1,1-BIPHENYL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.67	ND	U	4.67	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.72
Method 8270C	1,2-DIPHENYLHYDRAZINE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.67	ND	U	4.67	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.72
	2,4,5-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.67	ND	U	4.67	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	UJ	4.72	ND	U	4.72
	2,4,6-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.67	ND	U	4.67	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	UJ	4.72	ND	U	4.72
	2,4-DICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.67	ND	U	4.67	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.72
	2,4-DIMETHYLPHENOL	N/A	N/A	N/A	ND	U	18.9	ND	U	18.9	ND	U	18.7	ND	U	18.7	ND	U	19.2	ND	U	18.9	ND	U	19.2	ND	U	18.9	ND	U	18.9
	2,4-DINITROPHENOL	N/A	N/A	N/A	ND	UJ	47.2	ND	U	47.2	ND	U	46.7	ND	U	46.7	ND	U	48.1	ND	U	47.2	ND	U	48.1	ND	UJ	47.2	ND	UJ	47.2
	2,4-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.67	ND	U	4.67	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.72
	2,6-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.67	ND	U	4.67	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.72
	2-CHLORONAPHTHALENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.67	ND	U	4.67	ND	UJ	4.81	ND	UJ	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.72
	2-CHLOROPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.67	ND	U	4.67	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.72
	2-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.67	ND	U	4.67	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.72
	2-NITROANILINE	N/A	N/A	N/A	ND	U	18.9	ND	U	18.9	ND	U	18.7	ND	U	18.7	ND	U	19.2	ND	U	18.9	ND	U	19.2	ND	U	18.9	ND	U	18.9
	2-NITROPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.67	ND	U	4.67	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.72
	3,3'-DICHLOROBENZIDINE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.67	ND	U	4.67	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.72
	3-METHYLPHENOL AND 4-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.67	ND	U	4.67	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.72
	3-NITROANILINE	N/A	N/A	N/A	ND	U	18.9	ND	U	18.9	ND	U	18.7	ND	U	18.7	ND	U	19.2	ND	U	18.9	ND	U	19.2	ND	U	18.9	ND	U	18.9
	4,6-DINITRO-2-METHYLPHENOL	N/A	N/A	N/A	ND	UJ	18.9	ND	U	18.9	ND	U	18.7	ND	U	18.7	ND	U	19.2	ND	U	18.9	ND	U	19.2	ND	UJ	18.9	ND	UJ	18.9
	4-BROMOPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.67	ND	U	4.67	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.72
	4-CHLORO-3-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.67	ND	U	4.67	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.72
	4-CHLOROANILINE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.67	ND	U	4.67	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.72
	4-CHLOROPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.67	ND	U	4.67	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.72
	4-NITROANILINE	N/A	N/A	N/A	ND	UJ	18.9	ND	U	18.9	ND	U	18.7	ND	U	18.7	ND	U	19.2	ND	U	18.9	ND	UJ	19.2	ND	UJ	18.9	ND	U	18.9
	4-NITROPHENOL	N/A	N/A	N/A	ND	U	18.9	ND	U	18.9	ND	U	18.7	ND	U	18.7	ND	UJ	19.2	ND	UJ	18.9	ND	U	19.2	ND	U	18.9	ND	U	18.9
	ACETOPHENONE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.67	ND	U	4.67	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.72
	ATRAZINE	N/A	N/A	N/A	ND	U	4.72	ND	UJ	4.72	ND	UJ	4.67	ND	UJ	4.67	ND	U	4.81	ND	U	4.72	ND	UJ	4.81	ND	UJ	4.72	ND	UJ	4.72
	BENZALDEHYDE	N/A	N/A	N/A	ND	U	4.72	ND	UJ	4.72	ND	UJ	4.67	ND	UJ	4.67	ND	UJ	4.81	ND	UJ	4.72	ND	UJ	4.81	ND	UJ	4.72	ND	UJ	4.72
	BENZIDINE	N/A	N/A	N/A	ND	U	47.2	ND	U	47.2	ND	U	46.7	ND	U	46.7	ND	U	48.1	ND	U	47.2	ND	U	48.1	ND	UJ	47.2	ND	U	47.2
	BENZOIC ACID	N/A	N/A	N/A	ND	UJ	47.2	ND	U	47.2	ND	U	46.7	ND	U	46.7	ND	U	48.1	ND	U	47.2	ND	U	48.1	ND	U	47.2	ND	UJ	47.2
	BIS(2-CHLOROETHOXY)METHANE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.67	ND	U	4.67	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.72
	BIS(2-CHLOROETHYL)ETHER	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.67	ND	U	4.67	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.72
	BIS(2-CHLOROISOPROPYL)ETHER	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.67	ND	U	4.67	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.72
	BIS(2-ETHYLHEXYL)PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.67	ND	U	4.67	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.72
	BUTYL BENZYL PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.67	ND	U	4.67	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.72
	CAPROLACTAM	N/A	N/A	N/A	ND	UJ	4.72	ND	UJ	4.72	ND	UJ	4.67	ND	UJ	4.67	ND	U	4.81	ND	U	4.72	ND	UJ	4.81	ND	UJ	4.72	ND	UJ	4.72
	CARBAZOLE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.67	ND	U	4.67	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.72
	DIBENZOFURAN	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.67	ND	U	4.67	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.72
	DIETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.67	ND	U	4.67	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.72
	DIMETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.67	ND	U	4.67	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.72
	DI-N-BUTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.67	ND	U	4.67	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.72
	DI-N-OCTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.67	ND	U	4.67	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.72
	HEXACHLOROBENZENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.67	ND	U	4.67	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.72
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.67	ND	U	4.67	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	UJ	4.72	ND	U	4.72
	HEXACHLOROCYCLOPENTADIENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.67	ND	U	4.67	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	UJ	4.72
	HEXACHLOROETHANE	N/A	N/A	N/A	ND	UJ	4.72	ND	U	4.72	ND	U	4.67	ND	U	4.67	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	UJ	4.72	ND	U	4.72
	ISOPHORONE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.67	ND	U	4.67	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.72
	NITROBENZENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.67	ND	U	4.67	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.72
	N-NITROSO-DI-N-PROPYLAMINE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.67	ND	U	4.67	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.72
	N-NITROSODIPHENYLAMINE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.67	ND	U	4.67	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.72
	PENTACHLOROPHENOL	N/A	N/A	N/A	ND	U	18.9	ND	U	18.9	ND	U	18.7	ND	U	18.7	ND	U	19.2	ND	U	18.9	ND	U	19.2	ND	UJ	18.9	ND	U	18.9
	PHENOL	N/A	N/A	5	ND	U	4.72	ND	U	4.72	ND	U	4.67	ND	U	4.67	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.72
PAHs (µg/L)	1-METHYL NAPHTHALENE	N/A	N/A	30	ND	U	4.72	ND	U	4.72	ND	U	4.67	ND	U	4.67	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.72
Method 8270C	2-METHYLNAPHTHALENE	N/A	N/A	30	ND	U	4.72	ND	U	4.72	ND	U	4.67	ND	U	4.67	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.72
	ACENAPHTHENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.67	ND	U	4.67	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.72
	ACENAPHTHYLENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.67	ND	U	4.67	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.72
	ANTHRACENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.67	ND	U	4.67	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.72
	BENZO(A)ANTHRACENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.67	ND	U	4.67	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.72
	BENZO(A)PYRENE	0.7	N/A	0.2	ND	U	4.72	ND	U	4.72	ND	U	4.67	ND	U	4.67	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.72
	BENZO(B)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.67	ND	U	4.67	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.72
	BENZO(GHI)PERYLENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.67	ND	U	4.67	ND	U	4.81	ND	UJ	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.72
	BENZO(K)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.67	ND	U	4.67	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.72
	CHRYSENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.67	ND	U	4.67	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.72
	DIBENZO(A,H)ANTHRACENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.67	ND	U	4.67	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.72
	FLUORANTHENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.67	ND	U	4.67	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.72
	FLUORENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.67	ND	U	4.67	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.72
	INDENO(1,2,3-CD)PYRENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.67	ND	U	4.67	ND	U	4.81	ND	UJ	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.72
	NAPHTHALENE	N/A	N/A	30	ND	U	4.72	ND	U	4.72	ND	U	4.67	ND	U	4.67	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.72
	PHENANTHRENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.67	ND	U	4.67	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.72
	PYRENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.67	ND	U	4.67	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.72	ND	U	4.72
PAHs (µg/L)	1-METHYL NAPHTHALENE	N/A	N/A	30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Method 8270C	2-METHYLNAPHTHALENE	N/A	N/A	30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Low detection limit	ACENAPHTHENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	ACENAPHTHYLENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	ANTHRACENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(A)ANTHRACENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(A)PYRENE	0.7	N/A	0.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(B)FLUORANTHENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(GHI)PERYLENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	BENZO(K)FLUORANTHENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	CHRYSENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	DIBENZO(A,H)ANTHRACENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	FLUORANTHENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	FLUORENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	INDENO(1,2,3-CD)PYRENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	NAPHTHALENE	N/A	N/A	30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	PHENANTHRENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	PYRENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table 5-1
Groundwater Analyitcal Results
October - December 2011

			LOCATION CODE	KAFB-106098			KAFB-106099			KAFB-106100			KAFB-106100			KAFB-106101			KAFB-106102			KAFB-106103			KAFB-106104			KAFB-106105		
			SAMPLE NO	GW0360			GW0362			GW0363			GW0364			GW0366			GW0367			GW0369			GW0370			GW0371		
			SAMPLE DATE	5-Oct-11			9-Nov-11			9-Nov-11			9-Nov-11			20-Oct-11			20-Oct-11			10-Oct-11			3-Oct-11			17-Oct-11		
			SAMPLE PURPOSE	REG			REG			REG			FD			REG			REG			REG			REG			REG		
			SAMPLE DEPTH	531-546 ft			501-516 FT			526-541 FT			526-541 FT			496-511 FT			521-535 FT			485-500 FT			510-525 FT			484-499 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[c]	NMED Approved Background[b]	EPA MCLs[c,d]	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
Metals (mg/L)	CALCIUM	N/A	N/A	N/A	32.4		5	51.6		5	40.8		5	39.9		5	114		5	35.7		5	36.9		5	34.9		5	42.1		5
Method 6010B	IRON, DISSOLVED	1	N/A	0.3	ND	U	0.1	ND	U	0.1	ND	U	0.1	ND	U	0.1	ND	U	0.1	ND	U	0.1	ND	U	0.1	ND	U	0.1	ND	U	0.1
	LEAD	0.05	0.01	0.015	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003
	MAGNESIUM	N/A	N/A	N/A	4.53	J	5	7.61		5	5.82		5	5.69		5	17.1		5	5.31		5	4.66	J	5	4.49	J	5	5.53		5
	MANGANESE, DISSOLVED	0.2	N/A	0.05	ND	U	0.015	0.012	J	0.015	ND	U	0.015	ND	U	0.015	ND	U	0.015	ND	U	0.015	ND	U	0.015	ND	U	0.015	ND	U	0.015
	POTASSIUM	N/A	N/A	N/A	2.19	J	5	2.67	J	5	2.43	J	5	2.4	J	5	4.13	J	5	2.34	J	5	2.14	J	5	2.19	J	5	2.52	J	5
	SODIUM	N/A	N/A	N/A	20.3		5	24.1		5	21.9		5	21.6		5	50.6	J+	5	25.5	J+	5	27		5	25.3		5	22.3		5
Anions (mg/L)	AMMONIA (AS N) (Method 4500NH3BG)	N/A	N/A	N/A	ND	U	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3
Method E300.0	CHLORIDE	250	N/A	250	9.44	J-	10	31.6	J+	2.5	15.9	J+	2.5	15.8	J+	2.5	83.2		10	14		10	12.6		10	9.99	J	10	14.9	J-	10
	NITROGEN, NITRATE-NITRITE (Method E353.2)	N/A	4	N/A	ND	U	1.5	1.95		1.5	0.688	J	1.5	0.742	J	1.5	3.39		1.5	0.702	J	1.5	ND	U	1.5	ND	U	1.5	ND	U	1.5
	SULFATE	600	N/A	250	26.5	J-	20	69.9		25	37.7		2.5	37.5		2.5	147		20	30.5		20	28.1		20	28.2		20	36.7		20
	SULFIDE, TOTAL (Method 4500SC2F)	N/A	N/A	N/A	0.742	J	3.7	ND	U	3.7	ND	U	3.45	ND	U	3.45	ND	U	3.7	ND	U	3.7	ND	U	3.45	ND	U	3.7	0.89	J	3.7
Alkalinity (mg/L)	ALKALINITY, BICARBONATE (AS CACO3)	N/A	N/A	N/A	102		1	83.5		1	91		1	98.8		1	82		1	96.8		1	110		1	106		1	107		1
Method SM2320B	ALKALINITY, CARBONATE (AS CACO3)	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
Field Parameters	Temperature (°C)	N/A	N/A	N/A	19.04			17.94			18.75			18.75			19.24			18.96			18.53			18.99			19.29		
	pH (S.U.)	N/A	N/A	N/A	7.88			7.58			7.65			7.65			7.72			7.89			7.77			7.76			7.78		
	Spec Cond (µS/cm2)	N/A	N/A	N/A	280.3			424.2			318.6			318.6			847.2			314.5			305.8			312.4			347.2		
	DO (mg/L)	N/A	N/A	N/A	10.37			6.14			7.57			7.57			9.39			5.71			0.00			6.98			6.77		
	ORP (mV)	N/A	N/A	N/A	148			184			164			164			175			193			137			128			123		
	Turbidity (NTU)	N/A	N/A	N/A	0.95			2.40			2.61			2.61			0.82			0.44			0.65			1.00			1.52		
	Alkalinity (mg/L as CaCO3)	N/A	N/A	N/A	104			88			90			90			82			104			114			110			120		

The NMWQCC standard and EPA MCL for m,p- xylene and o-xylene is for total xylenes.

a EPA analytical methods listed are for the most recent sampling event.

b NMED-HWB Approved Background Concentrations, SNL/Kirtland AFB, Chemical Constituents in Ground Water.
Concentrations exceeding background are shown in italics, if applicable.

c EPA National Primary Drinking Water Standards - Maximum Contaminant Levels (MCLs), or if more stringent,
New Mexico Water Quality Control Commission (WQCC) Regulations as denoted by "**".
Concentrations exceeding standards are **BOLD**.

d The WQCC regulation for PAHs of 30 ug/L is a total of the concentrations of naphthalene,
1-methylnaphthalene, and 2-methylnaphthalene.

Shading indicates the analyte was detected.

Bold indicated analyte detected greater than regulatory standard

J = estimated value, concentration is less than RL but greater than laboratory method detection limit (MDL).

J+ = estimated value, concentration is less than RL but greater than laboratory method detection limit (MDL); biased high.

J- = estimated value, concentration is less than RL but greater than laboratory method detection limit (MDL); biased high.

U = Analyte was not detected. The reported numerical value is at or below the RL.

UJ = Analyte was *tentatively* not detected. The reported numerical value is at or below the RL.

N/A = Not applicable

ND = Not detected

NM = Not measured due to equipment malfunction.

NR = Not recorded or reported due to operational error

NR-EF = Not recorded due to equipment malfunction or failure

R = sample data rejected due to site contamination

Table 5-1
Groundwater Analyitcal Results
October - December 2011

			LOCATION CODE	KAFB-106106			KAFB-106106			KAFB-106107			KAFB-3411			ST106-VA2		
			SAMPLE NO	GW0372			GW0373			GW0374			GW0255			GW0254		
			SAMPLE DATE	17-Oct-11			17-Oct-11			18-Oct-11			13-Dec-11			4-Oct-11		
			SAMPLE PURPOSE	REG			FD			REG			REG			REG		
			SAMPLE DEPTH	454-484 FT			454-484 FT			510-525 FT			477-502 FT			0-0 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[b]	NMED Approved Background[b]	EPA MCLs[c,d]	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
TPH (µg/L)	DIESEL RANGE ORGANICS	N/A	N/A	N/A	ND	U	94.3	ND	U	94.3	ND	U	96.2	ND	U	100	ND	UJ	92.6
Method 8015B	GASOLINE RANGE ORGANICS	N/A	N/A	N/A	ND	U	150	ND	U	150	ND	U	150	ND	U	150	ND	U	150
VOCs (µg/L)	1,1,1,2-TETRACHLOROETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
Method 8260B	1,1,1-TRICHLOROETHANE	60	N/A	60	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,1,2,2-TETRACHLOROETHANE	10	N/A	10	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,1,2-TRICHLOROETHANE	100	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,1-DICHLOROETHANE	25	N/A	25	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,1-DICHLOROETHENE	5	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,1-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,2,3-TRICHLOROBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,2,3-TRICHLOROPROPANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2
	1,2,4-TRICHLOROBENZENE	N/A	N/A	70	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,2,4-TRIMETHYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,2-DIBROMO-3-CHLOROPROPANE	N/A	N/A	0.2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2
	1,2-DIBROMOETHANE	0.1	N/A	0.05	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,2-DIBROMOETHANE (Method 8011)	0.1	N/A	0.05	0.203	J	0.0286	0.211	J	0.0283	ND	U	0.0285	ND	U	0.0281	ND	UJ	0.0284
	1,2-DICHLOROBENZENE	N/A	N/A	600	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,2-DICHLOROETHANE	10	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,2-DICHLOROPROPANE	N/A	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,3,5-TRIMETHYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,3-DICHLOROBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,3-DICHLOROPROPANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,4-DICHLOROBENZENE	N/A	N/A	75	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	2,2-DICHLOROPROPANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	2-BUTANONE	N/A	N/A	N/A	ND	U	10	ND	U	10	ND	U	10	ND	U	10	ND	U	10
	2-CHLOROTOLUENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	2-HEXANONE	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	5
	4-CHLOROTOLUENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	4-METHYL-2-PENTANONE	N/A	N/A	N/A	ND	UJ	5	ND	UJ	5	ND	U	5	ND	U	5	ND	U	5
	ACETONE	N/A	N/A	N/A	3.68	J+	10	3.65	J+	10	ND	U	10	ND	U	10	ND	U	10
	BENZENE	10	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	BROMOBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	BROMOCHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	BROMODICHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	BROMOFORM	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	BROMOMETHANE	N/A	N/A	N/A	ND	UJ	2	ND	UJ	2	ND	U	2	ND	U	2	ND	U	2
	CARBON DISULFIDE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	CARBON TETRACHLORIDE	10	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	CHLOROBENZENE	N/A	N/A	100	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	CHLOROETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2
	CHLOROFORM	100	N/A	100	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	CHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	CIS-1,2-DICHLOROETHENE	N/A	N/A	70	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	CIS-1,3-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	DIBROMOCHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	DIBROMOMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	DICHLORODIFLUOROMETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2
	ETHYLBENZENE	750	N/A	700	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	ISOPROPYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	METHYL TERT-BUTYL ETHER	N/A	N/A	N/A	ND	UJ	1	ND	UJ	1	ND	U	1	ND	U	1	ND	U	1
	METHYLENE CHLORIDE	100	N/A	5	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2
	NAPHTHALENE	N/A	N/A	30	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	N-BUTYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	N-PROPYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	P-ISOPROPYLTOLUENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	SEC-BUTYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	STYRENE	N/A	N/A	100	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	TERT-BUTYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	TETRACHLOROETHENE	N/A	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	TOLUENE	750	N/A	750	0.706	J	1	0.707	J	1	1.69		1	ND	U	1	ND	U	1
	TRANS-1,2-DICHLOROETHENE	N/A	N/A	100	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	TRANS-1,3-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	TRICHLOROETHENE	N/A	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	TRICHLOROFLUOROMETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2
	VINYL CHLORIDE	1	N/A	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	XYLENES	620	N/A	10000	ND	U	3	ND	U	3	ND	U	3	ND	U	3	ND	U	3

Table 5-1
Groundwater Analyitcal Results
October - December 2011

			LOCATION CODE	KAFB-106106			KAFB-106106			KAFB-106107			KAFB-3411			ST106-VA2		
			SAMPLE NO	GW0372			GW0373			GW0374			GW0255			GW0254		
			SAMPLE DATE	17-Oct-11			17-Oct-11			18-Oct-11			13-Dec-11			4-Oct-11		
			SAMPLE PURPOSE	REG			FD			REG			REG			REG		
			SAMPLE DEPTH	454-484 FT			454-484 FT			510-525 FT			477-502 FT			0-0 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[c]	NMED Approved Background[b]	EPA MCLs[c,d]	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
SVOCs (µg/L)	1,1-BIPHENYL	N/A	N/A	N/A	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5
Method 8270C	1,2-DIPHENYLHYDRAZINE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5
	2,4,5-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	UJ	5
	2,4,6-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	UJ	5
	2,4-DICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	UJ	5
	2,4-DIMETHYLPHENOL	N/A	N/A	N/A	ND	U	18.7	ND	U	18.9	ND	U	18.9	ND	U	18.9	ND	U	20
	2,4-DINITROPHENOL	N/A	N/A	N/A	ND	UJ	46.7	ND	UJ	47.2	ND	UJ	47.2	ND	U	47.2	ND	UJ	50
	2,4-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	UJ	5
	2,6-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	UJ	5
	2-CHLORONAPHTHALENE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5
	2-CHLOROPHENOL	N/A	N/A	N/A	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	UJ	5
	2-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5
	2-NITROANILINE	N/A	N/A	N/A	ND	U	18.7	ND	U	18.9	ND	U	18.9	ND	U	18.9	ND	UJ	20
	2-NITROPHENOL	N/A	N/A	N/A	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5
	3,3'-DICHLOROBENZIDINE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5
	3-METHYLPHENOL AND 4-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5
	3-NITROANILINE	N/A	N/A	N/A	ND	U	18.7	ND	U	18.9	ND	U	18.9	ND	U	18.9	ND	U	20
	4,6-DINITRO-2-METHYLPHENOL	N/A	N/A	N/A	ND	UJ	18.7	ND	UJ	18.9	ND	UJ	18.9	ND	U	18.9	ND	UJ	20
	4-BROMOPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5
	4-CHLORO-3-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5
	4-CHLOROANILINE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5
	4-CHLOROPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5
	4-NITROANILINE	N/A	N/A	N/A	ND	U	18.7	ND	U	18.9	ND	U	18.9	ND	U	18.9	ND	UJ	20
	4-NITROPHENOL	N/A	N/A	N/A	ND	U	18.7	ND	U	18.9	ND	U	18.9	ND	U	18.9	ND	U	20
	ACETOPHENONE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5
	ATRAZINE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.72	ND	UJ	4.72	ND	U	4.72	ND	UJ	5
	BENZALDEHYDE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.72	ND	UJ	4.72	ND	UJ	4.72	ND	U	5
	BENZIDINE	N/A	N/A	N/A	ND	U	46.7	ND	U	47.2	ND	U	47.2	ND	U	47.2	ND	U	50
	BENZOIC ACID	N/A	N/A	N/A	ND	U	46.7	ND	U	47.2	ND	UJ	47.2	ND	U	47.2	ND	UJ	50
	BIS(2-CHLOROETHOXY)METHANE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5
	BIS(2-CHLOROETHYL)ETHER	N/A	N/A	N/A	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5
	BIS(2-CHLOROISOPROPYL)ETHER	N/A	N/A	N/A	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5
	BIS(2-ETHYLHEXYL)PHTHALATE	N/A	N/A	N/A	4.57	J	4.67	4.63	J	4.72	ND	U	4.72	ND	U	4.72	ND	U	5
	BUTYL BENZYL PHTHALATE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5
	CAPROLACTAM	N/A	N/A	N/A	ND	UJ	4.67	ND	UJ	4.72	ND	UJ	4.72	ND	UJ	4.72	ND	UJ	5
	CARBAZOLE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5
	DIBENZOFURAN	N/A	N/A	N/A	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5
	DIETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5
	DIMETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5
	DI-N-BUTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5
	DI-N-OCTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5
	HEXACHLOROBENZENE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	UJ	5
	HEXACHLOROCYCLOPENTADIENE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.72	ND	UJ	4.72	ND	U	4.72	ND	UJ	5
	HEXACHLOROETHANE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	UJ	5
	ISOPHORONE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5
	NITROBENZENE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5
	N-NITROSO-DI-N-PROPYLAMINE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5
	N-NITROSODIPHENYLAMINE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5
	PENTACHLOROPHENOL	N/A	N/A	N/A	ND	U	18.7	ND	U	18.9	ND	U	18.9	ND	U	18.9	ND	U	20
	PHENOL	N/A	N/A	5	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5
PAHs (µg/L)	1-METHYL NAPHTHALENE	N/A	N/A	30	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5
Method 8270C	2-METHYLNAPHTHALENE	N/A	N/A	30	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5
	ACENAPHTHENE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5
	ACENAPHTHYLENE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5
	ANTHRACENE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5
	BENZO(A)ANTHRACENE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5
	BENZO(A)PYRENE	0.7	N/A	0.2	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5
	BENZO(B)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5
	BENZO(GHI)PERYLENE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5
	BENZO(K)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5
	CHRYSENE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5
	DIBENZO(A,H)ANTHRACENE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5
	FLUORANTHENE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5
	FLUORENE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5
	INDENO(1,2,3-CD)PYRENE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5
	NAPHTHALENE	N/A	N/A	30	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5
	PHENANTHRENE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5
	PYRENE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	5
PAHs (µg/L)	1-METHYL NAPHTHALENE	N/A	N/A	30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ND	U	0.185
Method 8270C	2-METHYLNAPHTHALENE	N/A	N/A	30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ND	U	0.185
Low detection limit	ACENAPHTHENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ND	U	0.185
	ACENAPHTHYLENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ND	U	0.185
	ANTHRACENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ND	U	0.185
	BENZO(A)ANTHRACENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ND	U	0.185
	BENZO(A)PYRENE	0.7	N/A	0.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ND	U	0.185
	BENZO(B)FLUORANTHENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ND	U	0.185
	BENZO(GHI)PERYLENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ND	U	0.185
	BENZO(K)FLUORANTHENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ND	U	0.185
	CHRYSENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ND	U	0.185
	DIBENZO(A,H)ANTHRACENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ND	U	0.185
	FLUORANTHENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ND	U	0.185
	FLUORENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ND	U	0.185
	INDENO(1,2,3-CD)PYRENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ND	U	0.185
	NAPHTHALENE	N/A	N/A	30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ND	U	0.185
	PHENANTHRENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ND	U	0.185
	PYRENE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ND	U	0.185

Table 5-1
Groundwater Analyitcal Results
October - December 2011

			LOCATION CODE		KAFB-106106			KAFB-106106			KAFB-106107			KAFB-3411			ST106-VA2		
			SAMPLE NO		GW0372			GW0373			GW0374			GW0255			GW0254		
			SAMPLE DATE		17-Oct-11			17-Oct-11			18-Oct-11			13-Dec-11			4-Oct-11		
			SAMPLE PURPOSE		REG			FD			REG			REG			REG		
			SAMPLE DEPTH		454-484 FT			454-484 FT			510-525 FT			477-502 FT			0-0 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec 20.6.2.3103)[b]	NMED Approved Background[b]	EPA MCLs[c,d]	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
Metals (mg/L)	CALCIUM	N/A	N/A	N/A	42.9		5	42.4		5	36.1		5	55.6		5	35.2		5
Method 6010B	IRON, DISSOLVED	1	N/A	0.3	ND	U	0.1	ND	U	0.1	ND	U	0.1	ND	U	0.1	ND	U	0.1
	LEAD	0.05	0.01	0.015	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003	ND	U	0.003
	MAGNESIUM	N/A	N/A	N/A	5.61		5	5.57		5	4.84	J	5	8.42		5	5.72		5
	MANGANESE, DISSOLVED	0.2	N/A	0.05	0.0304		0.015	0.0275		0.015	0.012	J	0.015	0.0279		0.015	ND	U	0.015
	POTASSIUM	N/A	N/A	N/A	2.52	J	5	2.53	J	5	2.35	J	5	2.72	J	5	2.67	J	5
	SODIUM	N/A	N/A	N/A	22.9		5	22.7		5	20.8		5	27.2		5	21.6		5
Anions (mg/L)	AMMONIA (AS N) (Method 4500NH3BG)	N/A	N/A	N/A	ND	U	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3
Method E300.0	CHLORIDE	250	N/A	250	17.8		10	18.1		10	10.7	J-	10	13.3		0.5	22.5		10
	NITROGEN, NITRATE-NITRITE (Method E353.2)	N/A	4	N/A	ND	U	1.5	ND	U	1.5	ND	U	1.5	ND	U	1.5	ND	U	1.5
	SULFATE	600	N/A	250	42.4		20	42.5		20	30.8		20	28.6		2	28.5		20
	SULFIDE, TOTAL (Method 4500SC2F)	N/A	N/A	N/A	ND	U	3.77	ND	U	3.39	ND	U	3.7	0.7	J	3.45	0.997	J	3.39
Alkalinity (mg/L)	ALKALINITY, BICARBONATE (AS CACO3)	N/A	N/A	N/A	105		1	105		1	109		1	162		1	97.6		1
Method SM2320B	ALKALINITY, CARBONATE (AS CACO3)	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
Field Parameters	Temperature (°C)	N/A	N/A	N/A	18.79			18.79			19.03			18.79			20.67		
	pH (S.U.)	N/A	N/A	N/A	7.63			7.63			7.62			7.33			8.07		
	Spec Cond (µS/cm2)	N/A	N/A	N/A	354.6			354.6			308.1			415.4			330.0		
	DO (mg/L)	N/A	N/A	N/A	5.22			5.22			7.29			0.92			3.76		
	ORP (mV)	N/A	N/A	N/A	86			86			153			158			206		
	Turbidity (NTU)	N/A	N/A	N/A	1.45			1.45			1.71			0.30			0.80		
	Alkalinity (mg/L as CaCO3)	N/A	N/A	N/A	91			91			118			146			120		

The NMWQCC standard and EPA MCL for m,p- xylene and o-xylene is for total xylenes.

a EPA analytical methods listed are for the most recent sampling event.

b NMED-HWB Approved Background Concentrations, SNL/Kirtland AFB, Chemical Constituents in Ground Water.
Concentrations exceeding background are shown in italics, if applicable.

c EPA National Primary Drinking Water Standards - Maximum Contaminant Levels (MCLs), or if more stringent,
New Mexico Water Quality Control Commission (WQCC) Regulations as denoted by "*".
Concentrations exceeding standards are **BOLD**.

d The WQCC regulation for PAHs of 30 ug/L is a total of the concentrations of naphthalene,
1-methylnaphthalene, and 2-methylnaphthalene.

Shading indicates the analyte was detected.

Bold indicated analyte detected greater than regulatory standard

J = estimated value, concentration is less than RL but greater than laboratory method detection limit (MDL).

J+ = estimated value, concentration is less than RL but greater than laboratory method detection limit (MDL); biased high.

J- = estimated value, concentration is less than RL but greater than laboratory method detection limit (MDL); biased high.

U = Analyte was not detected. The reported numerical value is at or below the RL .

UJ = Analyte was *tentatively* not detected. The reported numerical value is at or below the RL.

N/A = Not applicable

ND = Not detected

NM = Not measured due to equipment malfunction.

NR = Not recorded or reported due to operational error

NR-EF = Not recorded due to equipment malfunction or failure

R = sample data rejected due to site contamination