TABLES

THIS PAGE INTENTIONALLY LEFT BLANK

Table 2-1
FFOR SVE System - Active Extraction Wells
October 2011 - March 2012

Extraction Well ID	Depth of Screened Interval (ft bgs)	Active Extraction Wells During October 2011 - March 2012[a] Operational Period
SVEW-01	245 - 260	No
SVEW-02	45 - 60	No
SVEW-03	145 - 160	No
SVEW-04	298 - 313	No
SVEW-05	445 - 460	No
SVEW-06	45 - 60	No
SVEW-07	145 - 160	No
SVEW-08	245 - 260	No
SVEW-09	435 - 450	No
KAFB-1065	474 - 506	No
KAFB-1066	484 - 509	No
KAFB-1068	486 - 512	No

a. The system was shut down from October 2011 through March 2012 due to radiance of influence (ROI) and Pneulog well testing.

bgs - Below ground surface

ft - Foot (feet)

KAFB - Kirtland Air Force Base

SVEW - Soil Vapor Extraction Well

THIS PAGE INTENTIONALLY LEFT BLANK

Table 2-2
Summary of Vapor Operating Data Collected from
SVE Unit 249
January 2011 - March 2012[a]

Unit 249 (ST-106) - Combined Engines E1 and E2									
Date	Operating Time (hours)	Average Flow Rate (scfm)	Total Mass Recovery (lb/period)	Total Mass Recovery (gal/period)	Average Influent Vapor Concentration (ppmv)	Influent Vapor Concentration (ppmv)	Note[b]	Propane Use[c] (gal/period)	Propane Recovery Ratio[d] (gal/gal)
1/31/2011	1,454	33	14,582	2,352	11,745			1,904	0.81
2/28/2011	1,229	41	17,292	2,789	16,185	36,373	L	798	0.29
3/31/2011	1,515	39	21,050	3,395	18,263			785	0.23
4/30/2011	1,269	42	17,762	2,865	16,644	12,861	F	567	0.20
5/31/2011	1,488	43	19,949	3,218	17,520	L=5377 / F=4995	L,F	432	0.13
6/30/2011	1,409	44	22,071	3,560	17,703	6,880	F	464	0.13
7/31/2011	1,359	43	17,759	2,864	14,739	4,930	F	984	0.34
8/31/2011	1,439	45	15,580	2,513	12,529	L=2565 / F=6250	L,F	1,696	0.67
9/30/2011	1,334	51	15,309	2,469	12,179	5,810	F	1,658	0.67
Oct 2011 - Mar 2012 [(e)]	System was not in operation								
Total or *Average* 1/2012 - 3/2012	**0**	**0**	**0**	**0**	**0**			**0**	**0**
Total 7/2003 - 12/2011			**1,382,351**	**222,960**					
Cumulative Total			**1,382,351**	**222,960**					
Calculated Quarterly Biodegradation 1/2012 - 3/2012				**0**					

Notes:

a. All operating values are based on RSI-ICE System PLC (computer program) technical data (except where noted for laboratory data).
b. F = field VOC measurement, L = laboratory VOC measurement.
c. Actual propane usage are based on data from AMERIGas Company (505-877-1010).
d. Ratio = Propane used/NAPL-equivalent gallons recovered per period.
e. System was shut down from October 2011 through March 2012 for the area radius of influence (ROI) and Pneulog well testing.

Abbreviations

gal - gallon(s)
ICE - Internal combustion engine
lb - pound(s)
NAPL - Non-aqueous phase liquid
PLC - Programmmable logic controller
ppmv - parts per million by volume
RSI - Remediation Service International
scfm - standard cubic feet per minute
SVE - Soil-vapor extraction
VOC - Volatile organic compounds

THIS PAGE INTENTIONALLY LEFT BLANK

Table 2-3
Summary of Vapor Operating Data Collected from
SVE Unit 335
January 2011 - March 2012[a]

Unit 335 (Well KAFB-1065) - Combined Engines E1 and E2									
Date	Operating Time (hours)	Average Flow Rate (scfm)	Total Mass Recovery (lb/period)	Total Mass Recovery (gal/period)	Average Influent Vapor Concentration (ppmv)	Influent Vapor Concentration (ppmv)	Note[b]	Propane Use[c] (gal/period)	Propane Recovery Ratio[d] (gal/gal)
1/31/2011	1,303	18	4,051	653	7,650		L	2,740	4.194
2/28/2011	1,112	15	1,803	291	4,872	L= 101/ 87.94	L	2,095	7.205
3/31/2011	1,279	15	3,874	625	11,965			2,701	4.323
4/30/2011	1,156	15	2,391	386	6,751	6,090	F	2,027	5.254
5/31/2011	724	16	2,059	332	8,757	L= 2243/ F=4710	L,F	3,052	9.189
6/30/2011	1,062	13	1,973	318	6,990	7,510	F	1,773	5.573
7/31/2011 [(e)]	917	16	617	100	2,111	L=3905 / F=5320	L,F	1,779	17.87
8/31/2011	1,133	16	1,403	226	4,050	5,640	F	2,488	10.99
9/30/2011	540	18	805	130	6,433	7,670	F	1,229	9.47
Oct 2011 - Mar 2012 [(f)]	System was not in operation								
Total or *Average* 1/2012 - 3/2012	**0**	***0***	**0**	**0**	***0***			**0**	**0**
Total 10/2008 - 12/2011			**529,314**	**85,373**					
Cumulative Total			**529,314**	**85,373**					
Calculated Quarterly Biodegradation 1/2012 - 3/2012				**0**					

Notes:

a. All operating values are based on RSI-ICE System PLC (computer program) technical data (except where noted for laboratory data).

b. F = field VOC measurement, L = laboratory VOC measurement.

c. Actual propane usage are based on data from AMERIGas Company (505-877-1010).

d. Ratio = Propane used/NAPL-equivalent gallons recovered per period.

e. Engine E2 was in operation but data was lost in the system computed program. Mass values were extrapolated from E1.

f. System was shut down from October 2011 through March 2012 for the area radius of influence (ROI) and Pneulog well testing.

Abbreviations

gal - gallon(s)
ICE - Internal combustion engine
KAFB - Kirtland Air Force Base
lb - pound(s)
NAPL - Non-aqueous phase liquid
PLC - Programmable logic controller
ppmv - parts per million by volume
RSI - Remediation Service International
scfm - standard cubic feet per minute
SVE - Soil-vapor extraction
VOC - Volatile organic compound

THIS PAGE INTENTIONALLY LEFT BLANK

Table 2-4
Summary of Vapor Operating Data Collected from
SVE Unit 345
January 2011 - March 2012[a]

Unit 345 (Well KAFB-1066) - Combined Engines E1 and E2									
Date	Operating Time (hours)	Average Flow Rate (scfm)	Total Mass Recovery (lb/period)	Total Mass Recovery (gal/period)	Average Influent Vapor Concentration (ppmv)	Influent Vapor Concentration (ppmv)	Note[b]	Propane Use[c] (gal/period)	Propane Recovery Ratio[d] (gal/gal)
1/31/2011	1,220	35	15,157	2,445	15,626			879	0.36
2/28/2011	1,216	45	17,566	2,833	16,367	34,810	L	502	0.18
3/31/2011	1,245	33	13,682	2,207	25,282			1,604	0.73
4/30/2011	1,082	45	13,438	2,167	11,985	13,104	F	362	0.17
5/31/2011	1,401	40	14,425	2,327	13,679	L= 5944/F=13410	L,F	951	0.41
6/30/2011	946	29	10,729	1,730	13,768	12,465	F	472	0.27
7/31/2011	1,172	37	15,088	2,433	18,408	L=13574 / F=11079	L,F	378	0.16
8/31/2011 [(e)]	616	41	8,925	1,439	17,736	17,847	F	150	0.10
9/30/2011 [(e)]	608	42	7,512	1,212	16,032	20,070	F	265	0.22
Oct 2011 - Mar 2012 [(f)]	System was not in operation								
Total or *Average* 1/2012 - 3/2012	**0**	***0***	**0**	**0**	***0***			**0**	**0**
Total 3/2009 - 12/2011			**396,044**	**63,878**					
Cumulative Total			**396,044**	**63,878**					
Calculated Quarterly Biodegradation 1/2012 - 3/2012				**0**					

Notes:

a. All operating values are based on RSI-ICE System PLC (computer program) technical data (except where noted for laboratory data).

b. F = field VOC measurement, L = laboratory VOC measurement.

c. Actual propane usage are based on data from AMERIGas Company (505-877-1010).

d. Ratio = Propane used/NAPL-equivalent gallons recovered per period.

e. Engine E2 was not in operation for this period.

f. System was shut down from October 2011 through March 2012 for the area radius of influence (ROI) and Pneulog well testing.

Abbreviations

gal - gallon(s)
ICE - Internal combustion engine
KAFB - Kirtland Air Force Base
lb - pound(s)
NAPL - Non-aqueous phase liquid
PLC - Programmable logic controller
ppmv - parts per million by volume
RSI - Remediation Service International
scfm - standard cubic feet per minute
SVE - Soil-vapor extraction
VOC - Volatile organic compound

THIS PAGE INTENTIONALLY LEFT BLANK

Table 2-5
Summary of Vapor Operating Data Collected from
SVE Unit 344
January 2011 - March 2012[a]

Unit 344 (Well KAFB-1068) - Combined Engines E1 and E2									
Date	Operating Time (hours)	Average Flow Rate (scfm)	Total Mass Recovery (lb/period)	Total Mass Recovery (gal/period)	Average Influent Vapor Concentration (ppmv)	Influent Vapor Concentration (ppmv)	Note[b]	Propane Use[c] (gal/period)	Propane Recovery Ratio[d] (gal/gal)
1/31/2011	1,158	50	7,440	1,200	4,501			2,093	1.74
2/28/2011	1,165	50	7,039	1,135	5,356	3,830	L	2,182	1.92
3/31/2011	1,060	47	5,443	878	4,276			1,710	1.95
4/30/2011	1,030	52	5,773	931	4,829	7,530	F	1,731	1.86
5/31/2011	1,336	49	7,506	1,211	5,591	L=3636 /F=6330	L,F	2,441	2.02
6/30/2011	721	42	3,329	537	4,730	7,460	F	2,163	4.03
7/31/2011 [(e)]	1,101	50	5,253	847	4,702	L=3078 / F=5170	L,F	2,051	2.42
8/31/2011	968	53	3,398	548	4,001	5,630	F	2,088	3.81
9/30/2011	576	53	2,447	395	4,206	6,130	F	1,373	3.48
Oct 2011 - Mar 2012 [(f)]	System was not in operation								
Total or *Average* 1/2012 - 3/2012	**0**	**0**	**0**	**0**	**0**			**0**	**0**
Total 3/2009 - 12/2011			**353,552**	**57,024**					
Cumulative Total			**353,552**	**57,024**					
Calculated Quarterly Biodegradation 1/2012 - 3/2012				**0**					

Notes:

a. All operating values are based on RSI-ICE System PLC (computer program) technical data (except where noted for laboratory data).

b. F = field VOC measurement, L = laboratory VOC measurement.

c. Actual propane usage are based on data from AMERIGas Company (505-877-1010).

d. Ratio = Propane used/NAPL-equivalent gallons recovered.

e. Engine E2 was in operation but data was lost in the system computed program. Mass values were extrapolated from E1.

f. System was shut down from October 2011 through March 2012 for the area radius of influence (ROI) and Pneulog well testing.

Abbreviations

gal - gallon(s)
ICE - Internal combustion engine
KAFB - Kirtland Air Force Base
lb - pound(s)
NAPL - Non-aqueous phase liquid
PLC - Programmable logic controller
ppmv - parts per million by volume
RSI - Remediation Service International
scfm - standard cubic feet per minute
SVE - Soil-vapor extraction
VOC - Volatile organic compound

THIS PAGE INTENTIONALLY LEFT BLANK

Table 3-1
Geophysical Well Logging Details
December 2010 - September 2011

Well ID	Well Type	Geophysical Tools	Date Logged	Logging Company
KAFB-1061	Existing - GW	GR, Neut., Ind.	12/9/2010	Colog
KAFB-1062	Existing - GW	GR, Neut., Ind.	12/15/2010	Colog
KAFB-1063	Existing - GW	GR, Neut., Ind.	12/15/2010	Colog
KAFB-1064	Existing - GW	GR, Neut., Ind.	12/18/2010	Colog
KAFB-1065	Existing - GW	GR, Neut., Ind.	12/21/2010	Colog
KAFB-1066	Existing - GW	GR, Neut., Ind.	12/21/2010	Colog
KAFB-1067	Existing - GW	GR, Neut., Ind.	12/14/2010	Colog
KAFB-1068	Existing - GW	GR, Neut., Ind.	12/21/2010	Colog
KAFB-1069	Existing - GW	GR, Neut., Ind.	12/21/2010	Colog
KAFB-3411	Existing - GW	GR, Neut., Ind.	12/13/2010	Colog
KAFB-10610	Existing - GW	GR, Neut., Ind.	12/8/2010	Colog
KAFB-10611	Existing - GW	GR, Neut., Ind.	12/14/2010	Colog
KAFB-10612	Existing - GW	GR, Neut., Ind.	12/14/2010	Colog
KAFB-10613	Existing - GW	GR, Neut., Ind.	12/18/2010	Colog
KAFB-10614	Existing - GW	GR, Neut., Ind.	12/15/2010	Colog
KAFB-10615	Existing - GW	GR, Neut., Ind.	12/20/2010	Colog
KAFB-10616	Existing - GW	GR, Neut., Ind.	12/13/2010	Colog
KAFB-10617	Existing - GW	GR, Neut., Ind.	12/16/2010	Colog
KAFB-10618	Existing - GW	GR, Neut., Ind.	12/16/2010	Colog
KAFB-10619	Existing - GW	GR, Neut., Ind.	12/20/2010	Colog
KAFB-10620	Existing - GW	GR, Neut., Ind.	12/18/2010	Colog
KAFB-10621	Existing - GW	GR, Neut., Ind.	12/16/2010	Colog
KAFB-10622	Existing - GW	GR, Neut., Ind.	12/17/2010	Colog
KAFB-10623	Existing - GW	GR, Neut., Ind.	12/17/2010	Colog
KAFB-10624	Existing - GW	GR, Neut., Ind.	12/7/2010, 3/22/2011	Colog, Jet West
KAFB-10625	Existing - GW	GR, Neut., Ind.	12/17/2010	Colog
KAFB-10626	Existing - GW	GR, Neut., Ind.	12/20/2010	Colog
KAFB-10627	Existing - GW	GR, Neut., Ind.	12/7/2010	Colog
KAFB-10628	Existing - GW	GR, Neut., Ind.	12/8/2010	Colog
KAFB-106031	GW	GR, Neut., Ind.	6/15/2011	Jet West
KAFB-106034	GW	GR, Neut., Ind.	9/16/2011	Jet West
KAFB-106037	GW	GR, Neut., Ind.	9/15/2011	Jet West
KAFB-106040	GW	GR, Neut., Ind.	9/15/2011	Jet West
KAFB-106043	GW	GR, Neut., Ind.	TBD	Jet West
KAFB-106045	GW	GR, Neut., Ind.	3/21/2011	Jet West
KAFB-106048	GW	GR, Neut., Ind.	4/29/2011	Jet West
KAFB-106051	GW	GR, Neut., Ind.	6/14/2011	Jet West
KAFB-106054	GW	GR, Neut., Ind.	9/14/2011	Jet West
KAFB-106058	GW	GR, Neut., Ind.	9/14/2011	Jet West
KAFB-106061	GW	GR, Neut., Ind.	4/28/2011	Jet West
KAFB-106062	GW	GR, Neut., Ind.	4/27/2011	Jet West

Table 3-1
Geophysical Well Logging Details
December 2010 - September 2011

Well ID	Well Type	Geophysical Tools	Date Logged	Logging Company
KAFB-106066	GW	GR, Neut., Ind.	TBD	Jet West
KAFB-106068	GW	GR, Neut., Ind.	6/16/2011	Jet West
KAFB-106071	GW	GR, Neut., Ind.	6/18/2011	Jet West
KAFB-106074	GW	GR, Neut., Ind.	6/17/2011	Jet West
KAFB-106078	GW	GR, Neut., Ind.	4/26/2011	Jet West
KAFB-106081	GW	GR, Neut., Ind.	4/28/2011	Jet West
KAFB-106084	GW	GR, Neut., Ind.	4/30/2011	Jet West
KAFB-106087	GW	GR, Neut., Ind.	9/15/2011	Jet West
KAFB-106090	GW	GR, Neut., Ind.	9/15/2011	Jet West
KAFB-106093	GW	GR, Neut., Ind.	6/15/2011	Jet West
KAFB-106096	GW	GR, Neut., Ind.	9/14/2011	Jet West
KAFB-106098	GW	GR, Neut., Ind.	5/1/2011	Jet West
KAFB-106100	GW	GR, Neut., Ind.	6/17/2011	Jet West
KAFB-106102	GW	GR, Neut., Ind.	3/29/2011	Jet West
KAFB-106104	GW	GR, Neut., Ind.	9/15/2011	Jet West
KAFB-106107	GW	GR, Neut., Ind.	9/14/2011	Jet West
KAFB-106108	SVM	GR, Neut., Ind.	3/28/2011	Jet West
KAFB-106109	SVM	GR, Neut., Ind.	3/28/2011	Jet West
KAFB-106110	SVM	GR, Neut., Ind.	3/22/2011	Jet West
KAFB-106111	SVM	GR, Neut., Ind.	3/22/2011	Jet West
KAFB-106112	SVM	GR, Neut., Ind.	3/24/2011	Jet West
KAFB-106113	SVM	GR, Neut., Ind.	3/23/2011	Jet West
KAFB-106114	SVM	GR, Neut., Ind.	3/23/2011	Jet West
KAFB-106115	SVM	GR, Neut., Ind.	3/23/2011	Jet West
KAFB-106116	SVM	GR, Neut., Ind.	3/23/2011	Jet West
KAFB-106117	SVM	GR, Neut., Ind.	3/24/2011	Jet West
KAFB-106118	SVM	GR, Neut., Ind.	3/25/2011	Jet West
KAFB-106119	SVM	GR, Neut., Ind.	3/22/2011	Jet West
KAFB-106120	SVM	GR, Neut., Ind.	9/12/2011	Jet West
KAFB-106121	SVM	GR, Neut., Ind.	9/12/2011	Jet West
KAFB-106122	SVM	GR, Neut., Ind.	9/13/2011	Jet West
KAFB-106123	SVM	GR, Neut., Ind.	9/12/2011	Jet West
KAFB-106124	SVM	GR, Neut., Ind.	9/13/2011	Jet West
KAFB-106125	SVM	GR, Neut., Ind.	9/13/2011	Jet West
KAFB-106126	SVM	GR, Neut., Ind.	9/13/2011	Jet West
KAFB-106127	SVM	GR, Neut., Ind.	9/13/2011	Jet West
KAFB-106128	SVM	GR, Neut., Ind.	3/25/2011	Jet West
KAFB-106129	SVM	GR, Neut., Ind.	3/24/2011	Jet West
KAFB-106130	SVM	GR, Neut., Ind.	3/28/2011	Jet West
KAFB-106131	SVM	GR, Neut., Ind.	3/23/2011	Jet West
KAFB-106132	SVM	GR, Neut., Ind.	3/25/2011	Jet West

Table 3-1
Geophysical Well Logging Details
December 2010 - September 2011

Well ID	Well Type	Geophysical Tools	Date Logged	Logging Company
KAFB-106133	SVM	GR, Neut., Ind.	3/25/2011	Jet West
KAFB-106134	SVM	GR, Neut., Ind.	3/25/2011	Jet West
KAFB-106135	SVM	GR, Neut., Ind.	3/28/2011	Jet West
KAFB-106136	SVM	GR, Neut., Ind.	9/13/2011	Jet West
KAFB-106137	SVM	GR, Neut., Ind.	3/28/2011	Jet West
KAFB-106139	SVM	GR, Neut., Ind.	3/29/2011	Jet West
KAFB-106138	SVM	GR, Neut., Ind.	5/1/2011	Jet West
KAFB-106140	SVM	GR, Neut., Ind.	3/22/2011	Jet West
KAFB-106141	SVM	GR, Neut., Ind.	4/30/2011	Jet West
KAFB-106142	SVM	GR, Neut., Ind.	5/1/2011	Jet West

THIS PAGE INTENTIONALLY LEFT BLANK

Table 3-2. Groundwater Well Construction Details, January - September 2011

WELL ID	NMED ID	DATE INSTALLED	EASTING[a]	NORTHING[a]	GROUND ELEVATION (FAMSL)[b]	TOP WELL VAULT ELEVATION[b]	TOP OF PVC ELEVATION (FAMSL)[b]	TOP OF PVC (FT BELOW TOP OF WELL VAULT)	WELL DEPTH (FT BGS)	BORING DIAMETER (IN)	CASING DIAMETER (IN)	CASING TYPE	SCREENED INTERVAL (FT BGS)	SCREENED INTERVAL (FAMSL)	SCREEN SLOT SIZE (IN)
Quarter 03 Report 2011 Wells															
KAFB-106032	GWM-02 (not sampled)	06/24/2011	1541595.86	1476183.21	5317.5	5317.6	5316.9	0.7	480.5	11.75	5.00	PVC/PVC screen	456.0-476.0	4861.5-4841.5	0.010
KAFB-106033		06/24/2011	1541562.35	1476182.84	5317.8	5317.8	5317.3	0.5	496.6	11.75	5.00	PVC/PVC screen	477.0-492.0	4840.8-4825.8	0.010
KAFB-106034		06/24/2011	1541580.02	1476152.02	5318.6	5318.6	5318.0	0.6	522.0	11.75	5.00	PVC/PVC screen	502.0-517.0	4816.6-4801.6	0.010
KAFB-106035	GWM-03 (not sampled)	08/09/2011	1543635.86	1476440.55	5321.5	5321.6	5320.7	0.9	487.0	11.75	5.00	PVC/PVC screen	452.0-482.0	4869.5-4839.5	0.010
KAFB-106036		08/05/2011	1543660.15	1476441.08	5321.9	5322.0	5321.2	0.8	501.8	11.75	5.00	PVC/PVC screen	481.8-496.8	4840.1-4825.1	0.010
KAFB-106037		07/14/2011	1543685.53	1476440.70	5322.0	5322.2	5321.6	0.6	527.0	11.75	5.00	PVC/PVC screen	507.0-522.0	4815.0-4800.0	0.010
KAFB-106038	GWM-04 (not sampled)	08/05/2011	1543314.14	1475062.63	5348.4	5351.7	5351.2	0.5	513.0	11.75	5.00	PVC/PVC screen	478.0-508.0	4870.4-4840.4	0.010
KAFB-106039		07/26/2011	1543339.76	1475066.18	5348.3	5351.3	5350.9	0.4	528.3	11.75	5.00	PVC/PVC screen	508.3-523.3	4840.0-4825.0	0.010
KAFB-106040		07/19/2011	1543322.36	1475087.89	5347.2	5350.3	5349.9	0.4	550.6	11.75	5.00	PVC/PVC screen	530.6-545.6	4816.6-4801.6	0.010
KAFB-106041	GWM-05 (not sampled)	06/06/2011	1543647.14	1477945.02	5324.4	5324.4	5323.5	0.9	473.8	11.75	5.00	PVC/PVC screen	449.0-469.0	4875.4-4855.4	0.010
KAFB-106042		05/31/2011	1543633.95	1477965.57	5324.1	5324.1	5323.4	0.7	488.5	11.75	5.00	PVC/PVC screen	469.0-483.5	4855.1-4840.6	0.010
KAFB-106043		05/18/2011	1543616.11	1477951.99	5324.4	5324.4	5323.4	1.0	562.5	11.75	5.00	PVC/PVC screen	543.0-557.5	4781.4-4766.9	0.010
KAFB-106052	GWM-09 (not sampled)	07/25/2011	1543037.59	1477669.51	5318.9	5318.9	5318.2	0.7	484.8	11.75	5.00	PVC/PVC screen	449.6-479.6	4869.3-4839.3	0.010
KAFB-106053		07/11/2011	1543038.23	1477700.80	5318.7	5318.7	5317.9	0.8	498.4	11.75	5.00	PVC/PVC screen	478.4-493.4	4840.3-4825.3	0.010
KAFB-106054		06/28/2011	1543039.63	1477778.95	5318.5	5318.4	5317.9	0.5	524.0	11.75	5.00	PVC/PVC screen	504.0-519.0	4814.5-4799.5	0.010
KAFB-106055	GWM-10 (not sampled)	06/24/2011	1543757.00	1477302.34	5325.1	5325.2	5324.7	0.5	490.3	11.75	5.00	PVC/PVC screen	465.8-485.8	4859.3-4839.3	0.010
KAFB-106057		06/19/2011	1543786.19	1477301.35	5325.5	5325.5	5325.1	0.4	505.3	11.75	5.00	PVC/PVC screen	484.9-499.9	4840.6-4825.6	0.010
KAFB-106058		06/14/2011	1543818.38	1477291.92	5326.1	5326.1	5325.5	0.6	530.3	11.75	5.00	PVC/PVC screen	511.8-526.8	4814.3-4799.3	0.010
KAFB-106085	GWM-20 (not sampled)	07/08/2011	1542564.28	1475983.02	5317.3	5317.3	5316.5	0.8	481.5	11.75	5.00	PVC/PVC screen	446.5-476.5	4870.8-4840.8	0.010
KAFB-106086		06/26/2011	1542551.83	1475969.46	5317.7	5317.8	5317.0	0.8	496.0	11.75	5.00	PVC/PVC screen	476.0-491.0	4841.7-4826.7	0.010
KAFB-106087		06/19/2011	1542551.21	1476002.27	5317.0	5317.0	5316.5	0.5	565.5	11.75	5.00	PVC/PVC screen	546.0-561.0	4771.0-4756.0	0.010
KAFB-106094	GWM-23 (not sampled)	06/26/2011	1542110.36	1474711.23	5345.1	5345.2	5344.5	0.7	509.2	11.75	5.00	PVC/PVC screen	484.2-504.2	4860.9-4840.9	0.010
KAFB-106095		06/24/2011	1542095.42	1474735.61	5344.6	5344.8	5344.1	0.7	523.8	11.75	5.00	PVC/PVC screen	503.8-518.8	4840.8-4825.8	0.010
KAFB-106096		06/07/2011	1542080.54	1474708.51	5345.3	5345.4	5344.7	0.7	596.3	11.75	5.00	PVC/PVC screen	576.3-591.3	4769.0-4754.0	0.010
KAFB-106103	GWM-27 (not sampled)	06/21/2011	1543685.46	1475685.62	5328.5	5328.6	5327.4	1.2	505.2	11.75	5.00	PVC/PVC screen	485.0-500.0	4843.5-4828.5	0.010
KAFB-106104		06/15/2011	1543662.44	1475703.32	5328.1	5328.1	5327.3	0.8	530.0	11.75	5.00	PVC/PVC screen	510.0-525.0	4818.1-4803.1	0.010
KAFB-106105	GWM-28 (not sampled)	08/19/2011	1543379.49	1477848.60	5322.0	5322.2	5321.4	0.8	504.0	11.75	5.00	PVC/PVC screen	484.0-499.0	4838.0-4823.0	0.010
KAFB-106106		08/10/2011	1543381.45	1477873.45	5321.9	5321.9	5321.1	0.8	488.6	11.75	5.00	PVC/PVC screen	453.6-483.6	4868.3-4838.3	0.010
KAFB-106107		08/30/2011	1543378.71	1477809.35	5322.1	5322.2	5321.7	0.5	530.2	11.75	5.00	PVC/PVC screen	510.2-525.2	4811.9-4796.9	0.010
Quarter 02 Report 2011 Wells															
KAFB-106029	GWM-01 (not sampled)	06/04/2011	1542386.20	1477074.41	5310.9	5311.0	5310.5	0.5	475.8	11.75	5.00	PVC/PVC screen	450.8-470.8	4860.1-4840.1	0.010
KAFB-106030		05/25/2011	1542387.64	1477103.65	5311.0	5311.0	5310.3	0.7	489.9	11.75	5.00	PVC/PVC screen	469.5-484.5	4841.5-4826.5	0.010
KAFB-106031		05/25/2011	1542388.11	1477132.36	5311.0	5311.1	5310.2	0.9	514.9	11.75	5.00	PVC/PVC screen	495.8-509.5	4815.2-4801.5	0.010
KAFB-106046	GWM-07 (not sampled)	04/08/2011	1542835.69	1473605.46	5352.8	5352.9	5352.2	0.7	515.0	11.75	5.00	PVC/PVC screen	490.0-510.0	4862.8-4842.8	0.010
KAFB-106047		04/08/2011	1542779.28	1473602.71	5352.8	5352.8	5352.1	0.7	532.0	11.75	5.00	PVC/PVC screen	512.0-527.0	4840.8-4825.8	0.010
KAFB-106048		04/08/2011	1542804.76	1473621.15	5352.6	5352.6	5351.9	0.7	555.5	11.75	5.00	PVC/PVC screen	535.5-550.5	4817.1-4802.1	0.010
KAFB-106049	GWM-08 (not sampled)	05/13/2011	1542707.55	1477682.53	5316.1	5316.2	5315.7	0.5	480.7	11.75	5.00	PVC/PVC screen	456.8-476.8	4859.3-4839.3	0.010
KAFB-106050		05/13/2011	1542708.50	1477761.67	5315.7	5315.6	5314.9	0.7	494.8	11.75	5.00	PVC/PVC screen	474.4-489.4	4841.3-4826.3	0.010
KAFB-106051		04/26/2011	1542708.24	1477727.07	5315.8	5315.9	5315.2	0.7	521.2	11.75	5.00	PVC/PVC screen	500.8-515.8	4815.0-4800.0	0.010
KAFB-106059	GWM-11 (sampled)	04/07/2011	1541720.89	1473684.25	5344.7	5344.8	5344.1	0.7	508.4	11.75	5.00	PVC/PVC screen	483.4-503.4	4861.3-4841.3	0.010
KAFB-106060		04/16/2011	1541743.26	1473661.60	5345.2	5345.3	5344.4	0.9	523.0	11.75	5.00	PVC/PVC screen	503.0-518.0	4842.2-4827.2	0.010
KAFB-106061		04/06/2011	1541758.48	1473682.92	5345.0	5345.2	5344.5	0.7	593.2	11.75	5.00	PVC/PVC screen	573.2-588.2	4771.8-4756.8	0.010
KAFB-106062	GWM- 12 (sampled)	04/18/2011	1542384.99	1473789.27	5348.1	5351.2	5350.6	0.6	595.0	11.75	5.00	PVC/PVC screen	575.3-590.3	4772.8-4757.8	0.010
KAFB-106063		04/08/2011	1542371.25	1473763.99	5348.5	5351.9	5351.2	0.7	525.0	11.75	5.00	PVC/PVC screen	505.0-520.0	4843.5-4828.5	0.010
KAFB-106064		04/08/2011	1542358.76	1473788.79	5347.9	5351.1	5350.5	0.6	510.0	11.75	5.00	PVC/PVC screen	485.0-505.0	4862.9-4842.9	0.010

Table 3-2. Groundwater Well Construction Details, January - September 2011

WELL ID	NMED ID	DATE INSTALLED	EASTING[a]	NORTHING[a]	GROUND ELEVATION (FAMSL)[b]	TOP WELL VAULT ELEVATION[b]	TOP OF PVC ELEVATION (FAMSL)[b]	TOP OF PVC (FT BELOW TOP OF WELL VAULT)	WELL DEPTH (FT BGS)	BORING DIAMETER (IN)	CASING DIAMETER (IN)	CASING TYPE	SCREENED INTERVAL (FT BGS)	SCREENED INTERVAL (FAMSL)	SCREEN SLOT SIZE (IN)
KAFB-106065	GWM-13 (not sampled)	05/17/2011	1542287.64	1474324.70	5348.7	5348.8	5348.1	0.7	528.0	11.75	5.00	PVC/PVC screen	508.0-523.0	4840.7-4825.7	0.010
KAFB-106066		05/16/2011	1542329.23	1474375.42	5349.1	5349.1	5348.5	0.6	595.8	11.75	5.00	PVC/PVC screen	575.6-590.6	4773.5-4758.5	0.010
KAFB-106067	GWM-14 (not sampled)	05/11/2011	1542741.51	1474717.47	5347.6	5347.5	5346.5	1.0	510.0	11.75	5.00	PVC/PVC screen	485.0-505.0	4862.6-4842.6	0.010
KAFB-106068		05/03/2011	1542717.55	1474727.02	5347.2	5347.2	5346.5	0.7	600.0	11.75	5.00	PVC/PVC screen	580.0-595.0	4767.2-4752.2	0.010
KAFB-106069		05/01/2011	1542719.86	1474700.28	5347.2	5347.3	5346.5	0.8	526.0	11.75	5.00	PVC/PVC screen	506.0-521.0	4841.2-4826.2	0.010
KAFB-106070	GWM-15 (not sampled)	05/23/2011	1542890.62	1475942.55	5318.4	5318.5	5317.8	0.7	485.0	11.75	5.00	PVC/PVC screen	460.0-480.0	4858.4-4838.4	0.010
KAFB-106071		05/13/2011	1542895.61	1475834.17	5320.8	5320.9	5320.2	0.7	568.0	11.75	5.00	PVC/PVC screen	548.0-563.0	4772.8-4757.8	0.010
KAFB-106072		05/01/2011	1542890.78	1475908.89	5319.3	5319.3	5318.6	0.7	500.0	11.75	5.00	PVC/PVC screen	475.0-495.0	4844.3-4824.3	0.010
KAFB-106073	GWM-16 (not sampled)	05/05/2011	1542192.81	1475261.56	5339.7	5339.8	5339.1	0.7	519.5	11.75	5.00	PVC/PVC screen	499.5-514.5	4840.2-4825.2	0.010
KAFB-106074		04/28/2011	1542169.66	1475243.54	5340.6	5340.6	5339.9	0.7	589.5	11.75	5.00	PVC/PVC screen	569.5-584.5	4771.1-4756.1	0.010
KAFB-106075		04/17/2011	1542201.38	1475231.39	5340.5	5340.5	5340.2	0.3	505.0	11.75	5.00	PVC/PVC screen	480.0-500.0	4860.5-4840.5	0.010
KAFB-106076	GWM-17 (sampled)	04/08/2011	1541808.75	1473219.64	5344.8	5344.8	5344.1	0.7	505.0	11.75	5.00	PVC/PVC screen	480.0-500.0	4864.8-4844.8	0.010
KAFB-106077		04/08/2011	1541790.39	1473203.53	5344.7	5344.7	5344.0	0.7	524.0	11.75	5.00	PVC/PVC screen	504.0-519.0	4840.7-4825.7	0.010
KAFB-106078		04/08/2011	1541775.42	1473218.70	5344.6	5344.6	5343.9	0.7	593.5	11.75	5.00	PVC/PVC screen	573.5-588.5	4771.1-4756.1	0.010
KAFB-106079	GWM-18 (sampled)	04/17/2011	1542252.75	1474078.44	5346.6	5349.7	5349.0	0.7	509.5	11.75	5.00	PVC/PVC screen	483.9-503.9	4862.7-4842.7	0.010
KAFB-106080		04/17/2011	1542217.40	1474030.32	5345.5	5348.5	5348.0	0.5	523.3	11.75	5.00	PVC/PVC screen	503.1-518.1	4842.4-4827.4	0.010
KAFB-106081		04/16/2011	1542190.58	1474076.87	5346.4	5349.5	5349.1	0.4	594.8	11.75	5.00	PVC/PVC screen	574.8-589.3	4771.6-4757.1	0.010
KAFB-106082	GWM-19 (not sampled)	04/05/2011	1542571.40	1475334.04	5334.8	5334.9	5334.2	0.7	497.3	11.75	5.00	PVC/PVC screen	472.0-492.0	4862.8-4842.8	0.010
KAFB-106083		04/15/2011	1542525.96	1475340.93	5334.5	5334.8	5334.2	0.6	515.7	11.75	5.00	PVC/PVC screen	495.5-510.5	4839.0-4824.0	0.010
KAFB-106084		04/05/2011	1542558.35	1475358.10	5334.0	5334.2	5333.6	0.6	585.8	11.75	5.00	PVC/PVC screen	566.0-581.0	4768.0-4753.0	0.010
KAFB-106088	GWM-21 (not sampled)	06/03/2011	1543228.95	1475764.10	5324.3	5324.3	5323.3	1.0	485.0	11.75	5.00	PVC/PVC screen	460.0-480.0	4864.3-4844.3	0.010
KAFB-106089		05/23/2011	1543221.51	1475795.63	5323.6	5323.6	5322.7	0.9	501.5	11.75	5.00	PVC/PVC screen	481.5-496.5	4842.1-4827.1	0.010
KAFB-106090		05/23/2011	1543216.29	1475823.54	5322.9	5322.9	5321.9	1.0	575.0	11.75	5.00	PVC/PVC screen	555.0-570.0	4767.9-4752.9	0.010
KAFB-106091	GWM-22 (not sampled	06/04/2011	1543010.80	1476816.23	5314.3	5314.4	5313.6	0.8	479.0	11.75	5.00	PVC/PVC screen	454.0-474.0	4860.3-4840.3	0.010
KAFB-106092		05/24/2011	1543042.05	1476798.05	5314.4	5314.5	5314.0	0.5	493.7	11.75	5.00	PVC/PVC screen	474.0-489.0	4840.4-4825.4	0.010
KAFB-106093		05/24/2011	1543042.38	1476828.18	5314.4	5314.5	5313.9	0.6	563.2	11.75	5.00	PVC/PVC screen	544.0-559.0	4770.4-4755.4	0.010
KAFB-106097	GWM-24 (not sampled)	04/27/2011	1541706.30	1474734.32	5347.7	5347.9	5347.2	0.7	526.0	11.75	5.00	PVC/PVC screen	506.0-521.0	4841.7-4826.7	0.010
KAFB-106098		04/17/2011	1541702.87	1474763.79	5348.0	5347.9	5347.3	0.6	551.1	11.75	5.00	PVC/PVC screen	531.0-546.0	4817.0-4802.0	0.010
KAFB-106099	GWM-25 (not sampled)	05/13/2011	1541014.77	1474352.00	5342.8	5342.9	5342.2	0.7	521.0	11.75	5.00	PVC/PVC screen	501.0-516.0	4841.8-4826.8	0.010
KAFB-106100		05/03/2011	1541027.97	1474326.52	5342.8	5342.8	5342.0	0.8	546.0	11.75	5.00	PVC/PVC screen	526.0-541.0	4816.8-4801.8	0.010
Quarter 01 Report 2011 Wells															
KAFB-106044	GWM-06 (not sampled)	01/17/2011	1541447.86	1472371.99	5348.6	5348.8	5348.5	0.3	523.9	11.75	5.00	PVC/PVC screen	504.2-519.2	4844.4-4829.4	0.010
KAFB-106045		01/08/2011	1541417.96	1472400.65	5345.2	5348.5	5348.1	0.4	548.0	11.75	5.00	PVC/PVC screen	528.3-543.3	4816.9-4801.9	0.010
KAFB-106101	GWM-26 (not sampled)	02/21/2011	1540432.84	1474037.52	5337.2	5340.3	5339.8	0.5	515.1	11.75	5.00	PVC/PVC screen	495.9-511.2	4841.3-4826.0	0.010
KAFB-106102		03/03/2011	1540402.12	1474038.66	5337.3	5340.3	5339.8	0.5	540.2	11.75	5.00	PVC/PVC screen	521.1-534.8	4816.2-4802.5	0.010

[a] Horizontal Coordinate System: NM_NAD83_ST_PL_Central_FIPS_3002_Feet
[b] Vertical Coordinate System: NAVD88

FAMSL Feet Above Mean Sea Level
FT BGS Feet Below Ground Surface
GWM Groundwater Monitoring Well
ID Identification
IN Inches
KAFB Kirtland Air Force Base
NAD83 North American Datum of 1983
NAVD88 North American Vertical Datum of 1988
NMED New Mexico Environment Department
PVC Polyvinyl Chloride

Table 3-3. Continuous Core Samples Collected for Mobility Testing Unified Soil Classification System

Well ID	Sample ID	Depth (ft bgs)	Date Sampled	USCS
KAFB-106078	10678-GEO1	486 - 489	3/21/11	Well graded GRAVEL (GW)
KAFB-106081	10681-GEO1	489 - 492	3/29/11	Poorly graded SAND (SP)
	10681-GEO2	450 - 452	3/29/11	SILT (ML)
KAFB-106063	10663-GEO2	335 - 336	3/30/11	Poorly graded SAND (SP)
	10663-GEO1	489 - 490.5	4/1/11	Poorly graded SAND (SP)
KAFB-106059	10659-GEO2	304 - 306	4/3/11	Well Graded SAND/Well Graded GRAVEL (SW/GW)
KAFB-106080	10680-GEO2	427 - 428	4/5/11	Silty SAND (SM)
KAFB-106060	10660-GEO1	486 - 489	4/14/11	Well graded SAND (SW)

bgs Below ground surface
ft Feet
ID Identification
KAFB Kirtland Air Force Base
USCS Unified Soil Classification System

THIS PAGE INTENTIONALLY LEFT BLANK

Table 3-4. SVM Well Construction Details
January - September 2011

WELL ID	NMED ID AND LOCATION	DATE INSTALLED	EASTING[a]	NORTHING[a]	GROUND ELEVATION (FAMSL)[b]	MEASURING POINT-TOP OF WELL VAULT ELEVATION (FAMSL)[b]	TOP OF PVC ELEVATION (FAMSL)[b]	TOP OF PVC (FT BELOW WELL VAULT)	WELL DEPTH (FT BGS)	BORING DIAMETER (IN)	CASING DIAMETER (IN)	CASING TYPE	SCREENED INTERVAL (FT BGS)	SCREENED INTERVAL (FAMSL)	SCREEN SLOT SIZE (IN)
Quarter 03 Report 2011 SVM Wells															
KAFB-106120															
KAFB-106120-025	SVM-13 (sampled)	6/9/2011	1542054.98	1472900.30	5343.4	5343.6	5343.1	0.5	25.0	11.75	0.75	PVC	15.0-25.0	5328.4-5318.4	0.050
KAFB-106120-050	Tank Farm		1542055.08	1472900.49	5343.4	5343.6	5343.1	0.5	50.0	11.75	0.75	PVC	40.0-50.0	5303.4-5293.4	0.050
KAFB-106120-150			1542054.96	1472900.74	5343.4	5343.6	5343.1	0.5	150.0	9.63	0.75	PVC	140.0-150.0	5203.4-5193.4	0.050
KAFB-106120-250			1542054.63	1472900.51	5343.4	5343.6	5343.1	0.5	250.0	9.63	0.75	PVC	240.0-250.0	5103.4-5093.4	0.050
KAFB-106120-350			1542054.80	1472900.28	5343.4	5343.6	5343.1	0.5	350.0	9.63	0.75	PVC	340.0-350.0	5003.4-4993.4	0.050
KAFB-106120-444			1542054.86	1472900.63	5343.4	5343.6	5343.1	0.5	444.0	9.63	3.00	PVC	434.0-444.0	4909.4-4899.4	0.050
KAFB-106122															
KAFB-106122-025	SVM-15 (sampled)	6/18/2011	1542096.33	1472866.33	5343.9	5343.9	5343.6	0.3	25.0	11.75	0.75	PVC	15.0-25.0	5328.9-5318.9	0.050
KAFB-106122-050	Tank Farm		1542096.27	1472866.63	5343.9	5343.9	5343.5	0.4	50.0	11.75	0.75	PVC	40.0-50.0	5303.9-5293.9	0.050
KAFB-106122-150			1542095.99	1472866.69	5343.9	5343.9	5343.5	0.4	150.0	9.63	0.75	PVC	140.0-150.0	5203.9-5193.9	0.050
KAFB-106122-250			1542095.88	1472866.40	5343.9	5343.9	5343.6	0.3	250.0	9.63	0.75	PVC	240.0-250.0	5103.9-5093.9	0.050
KAFB-106122-350			1542096.10	1472866.19	5343.9	5343.9	5343.6	0.3	350.0	9.63	0.75	PVC	340.0-350.0	5003.9-4993.9	0.050
KAFB-106122-444			1542096.09	1472866.53	5343.9	5343.9	5343.6	0.3	444.0	9.63	3.00	PVC	434.0-444.0	4909.9-4899.9	0.050
KAFB-106124															
KAFB-106124-025	SVM-17 (sampled)	6/27/2011	1542370.42	1472802.58	5345.6	5345.8	5345.5	0.3	25.1	11.75	0.75	PVC	15.1-25.1	5330.5-5320.5	0.050
KAFB-106124-050	Tank Farm		1542370.11	1472802.60	5345.6	5345.8	5345.5	0.3	50.1	11.75	0.75	PVC	40.1-50.1	5305.5-5295.5	0.050
KAFB-106124-150			1542369.98	1472802.34	5345.6	5345.8	5345.5	0.3	150.1	9.63	0.75	PVC	140.1-150.1	5205.5-5195.5	0.050
KAFB-106124-250			1542370.22	1472802.14	5345.6	5345.8	5345.5	0.3	250.1	9.63	0.75	PVC	240.1-250.1	5105.5-5095.5	0.050
KAFB-106124-350			1542370.46	1472802.27	5345.6	5345.8	5345.4	0.4	350.1	9.63	0.75	PVC	340.1-350.1	5005.5-4995.5	0.050
KAFB-106124-450			1542370.24	1472802.50	5345.6	5345.8	5345.5	0.3	450.1	9.63	3.00	PVC	440.1-450.1	4905.5-4895.5	0.050
KAFB-106125															
KAFB-106125-025	SVM-18 (sampled)	7/10/2011	1542445.02	1472869.68	5345.6	5346.0	5345.5	0.5	25.2	11.75	0.75	PVC	15.2-25.2	5330.4-5320.4	0.050
KAFB-106125-050	Tank Farm		1542444.73	1472869.75	5345.6	5346.0	5345.5	0.5	50.2	11.75	0.75	PVC	40.2-50.2	5305.4-5295.4	0.050
KAFB-106125-150			1542444.56	1472869.52	5345.6	5346.0	5345.5	0.5	150.2	9.63	0.75	PVC	140.2-150.2	5205.4-5195.4	0.050
KAFB-106125-250			1542444.76	1472869.25	5345.6	5346.0	5345.5	0.5	250.2	9.63	0.75	PVC	240.2-250.2	5105.4-5095.4	0.050
KAFB-106125-350			1542445.03	1472869.34	5345.6	5346.0	5345.5	0.5	350.2	9.63	0.75	PVC	340.2-350.2	5005.4-4995.4	0.050
KAFB-106125-450			1542444.80	1472869.61	5345.6	5346.0	5345.5	0.5	450.2	9.63	3.00	PVC	440.2-450.2	4905.4-4895.4	0.050
KAFB-106126															
KAFB-106126-025	SVM-19 (sampled)	7/14/2011	1542499.98	1472796.18	5345.8	5346.0	5345.6	0.4	25.1	11.75	0.75	PVC	15.1-25.1	5330.7-5320.7	0.050
KAFB-106126-050	Tank Farm		1542499.95	1472796.47	5345.8	5346.0	5345.5	0.5	50.1	11.75	0.75	PVC	40.1-50.1	5305.7-5295.7	0.050
KAFB-106126-150			1542499.66	1472796.56	5345.8	5346.0	5345.5	0.5	150.1	9.63	0.75	PVC	140.1-150.1	5205.7-5195.7	0.050
KAFB-106126-250			1542499.49	1472796.32	5345.8	5346.0	5345.5	0.5	250.1	9.63	0.75	PVC	240.1-250.1	5105.7-5095.7	0.050
KAFB-106126-350			1542499.67	1472796.02	5345.8	5346.0	5345.6	0.4	350.1	9.63	0.75	PVC	340.1-350.1	5005.7-4995.7	0.050
KAFB-106126-450			1542499.73	1472796.40	5345.8	5346.0	5345.6	0.4	450.2	9.63	3.00	PVC	440.2-450.2	4905.6-4895.6	0.050

Table 3-4. SVM Well Construction Details
January - September 2011

WELL ID	NMED ID AND LOCATION	DATE INSTALLED	EASTING[a]	NORTHING[a]	GROUND ELEVATION (FAMSL)[b]	MEASURING POINT-TOP OF WELL VAULT ELEVATION (FAMSL)[b]	TOP OF PVC ELEVATION (FAMSL)[b]	TOP OF PVC (FT BELOW WELL VAULT)	WELL DEPTH (FT BGS)	BORING DIAMETER (IN)	CASING DIAMETER (IN)	CASING TYPE	SCREENED INTERVAL (FT BGS)	SCREENED INTERVAL (FAMSL)	SCREEN SLOT SIZE (IN)
KAFB-106127															
KAFB-106127-025	SVM-20 (sampled)	7/26/2011	1542437.03	1472747.07	5345.9	5346.2	5345.8	0.4	25.0	11.75	0.75	PVC	15.0-25.0	5330.9-5320.9	0.050
KAFB-106127-050	Tank Farm		1542436.77	1472747.21	5345.9	5346.2	5345.8	0.4	50.0	11.75	0.75	PVC	40.0-50.0	5305.9-5295.9	0.050
KAFB-106127-150			1542436.54	1472747.03	5345.9	5346.2	5345.8	0.4	150.0	9.63	0.75	PVC	140.0-150.0	5205.9-5195.9	0.050
KAFB-106127-250			1542436.69	1472746.71	5345.9	5346.2	5345.7	0.5	250.0	9.63	0.75	PVC	240.0-250.0	5105.9-5095.9	0.050
KAFB-106127-350			1542436.99	1472746.75	5345.9	5346.2	5345.7	0.5	350.0	9.63	0.75	PVC	340.0-350.0	5005.9-4995.9	0.050
KAFB-106127-450			1542436.85	1472747.07	5345.9	5346.2	5345.8	0.4	450.0	9.63	3.00	PVC	440.0-450.0	4905.9-4895.9	0.050
KAFB-106136															
KAFB-106136-025	SVM-02 (not sampled)	7/6/2011	1543098.95	1474675.71	5351.7	5351.8	5351.2	0.6	25.0	11.75	0.75	PVC	15.0-25.0	5336.7-5326.7	0.050
KAFB-106136-050	Far Field		1543098.89	1474676.02	5351.7	5351.8	5351.1	0.7	50.0	11.75	0.75	PVC	40.0-50.0	5311.7-5301.7	0.050
KAFB-106136-150			1543098.59	1474676.04	5351.7	5351.8	5351.1	0.7	150.0	9.63	0.75	PVC	140.0-150.0	5211.7-5201.7	0.050
KAFB-106136-250			1543098.45	1474675.79	5351.7	5351.8	5351.1	0.7	250.0	9.63	0.75	PVC	240.0-250.0	5111.7-5101.7	0.050
KAFB-106136-350			1543098.68	1474675.54	5351.7	5351.8	5351.2	0.6	350.0	9.63	0.75	PVC	340.0-350.0	5011.7-5001.7	0.050
KAFB-106136-450			1543098.75	1474675.92	5351.7	5351.8	5351.3	0.5	450.0	9.63	3.00	PVC	440.0-450.0	4911.7-4901.7	0.050
Quarter 02 Report 2011 SVM Wells															
KAFB-106116															
KAFB-106116-020	SVM-09 (sampled)	3/10/2011	1541894.58	1473296.42	5346.2	5346.5	5346.0	0.5	20.0	11.75	0.75	PVC	10.0-20.0	5336.2-5326.2	0.050
KAFB-106116-050	Fuel Percolation Area		1541894.90	1473296.44	5346.2	5346.5	5346.0	0.5	50.0	11.75	0.75	PVC	40.0-50.0	5306.2-5296.2	0.050
KAFB-106116-150			1541894.47	1473296.67	5346.2	5346.5	5346.0	0.5	150.0	9.63	0.75	PVC	140.0-150.0	5206.2-5196.2	0.050
KAFB-106116-250			1541894.69	1473296.88	5346.2	5346.5	5346.0	0.5	250.0	9.63	0.75	PVC	240.0-250.0	5106.2-5096.2	0.050
KAFB-106116-350			1541894.97	1473296.72	5346.2	5346.5	5346.0	0.5	350.0	9.63	0.75	PVC	340.0-350.0	5006.2-4996.2	0.050
KAFB-106116-450			1541894.69	1473296.72	5346.2	5346.5	5346.0	0.5	450.0	9.63	3.00	PVC	440.0-450.0	4906.2-4896.2	0.050
KAFB-106117															
KAFB-106117-025	SVM-10 (sampled)	3/15/2011	1541727.84	1473366.34	5345.3	5345.6	5344.8	0.8	25.0	11.75	0.75	PVC	15.0-25.0	5330.3-5320.3	0.050
KAFB-106117-050	Fuel Percolation Area		1541727.98	1473366.56	5345.3	5345.6	5344.8	0.8	50.0	11.75	0.75	PVC	40.0-50.0	5305.3-5295.3	0.050
KAFB-106117-150			1541727.79	1473366.81	5345.3	5345.6	5344.8	0.8	150.0	9.63	0.75	PVC	140.0-150.0	5205.3-5195.3	0.050
KAFB-106117-250			1541727.52	1473366.70	5345.3	5345.6	5344.8	0.8	250.0	9.63	0.75	PVC	240.0-250.0	5105.3-5095.3	0.050
KAFB-106117-350			1541727.53	1473366.42	5345.3	5345.6	5344.8	0.8	350.0	9.63	0.75	PVC	340.0-350.0	5005.3-4995.3	0.050
KAFB-106117-450			1541727.76	1473366.68	5345.3	5345.6	5344.8	0.8	450.0	9.63	3.00	PVC	440.0-450.0	4905.3-4895.3	0.050
KAFB-106121															
KAFB-106121-025	SVM-14 (sampled)	5/25/2011	1542051.53	1472805.85	5343.7	5343.8	5343.5	0.3	25.0	11.75	0.75	PVC	15.0-25.0	5328.7-5318.7	0.050
KAFB-106121-050	Tank Farm		1542051.78	1472805.67	5343.7	5343.8	5343.5	0.3	50.0	11.75	0.75	PVC	40.0-50.0	5303.7-5293.7	0.050
KAFB-106121-145			1542051.25	1472805.62	5343.7	5343.8	5343.5	0.3	145.0	9.63	0.75	PVC	135.0-145.0	5208.7-5198.7	0.050
KAFB-106121-250			1542051.37	1472805.36	5343.7	5343.8	5343.5	0.3	250.0	9.63	0.75	PVC	240.0-250.0	5103.7-5093.7	0.050
KAFB-106121-350			1542051.75	1472805.38	5343.7	5343.8	5343.5	0.3	350.0	9.63	0.75	PVC	340.0-350.0	5003.7-4993.7	0.050
KAFB-106121-440			1542051.48	1472805.67	5343.7	5343.8	5343.5	0.3	440.0	9.63	3.00	PVC	430.0-440.0	4913.7-4903.7	0.050

Table 3-4. SVM Well Construction Details
January - September 2011

WELL ID	NMED ID AND LOCATION	DATE INSTALLED	EASTING[a]	NORTHING[a]	GROUND ELEVATION (FAMSL)[b]	MEASURING POINT-TOP OF WELL VAULT ELEVATION (FAMSL)[b]	TOP OF PVC ELEVATION (FAMSL)[b]	TOP OF PVC (FT BELOW WELL VAULT)	WELL DEPTH (FT BGS)	BORING DIAMETER (IN)	CASING DIAMETER (IN)	CASING TYPE	SCREENED INTERVAL (FT BGS)	SCREENED INTERVAL (FAMSL)	SCREEN SLOT SIZE (IN)
KAFB-106123															
KAFB-106123-025	SVM-16 (sampled)	6/4/2011	1542010.82	1472850.41	5344.0	5344.2	5343.7	0.5	25.0	11.75	0.75	PVC	15.0-25.0	5329.0-5319.0	0.050
KAFB-106123-050	Tank Farm		1542010.70	1472850.68	5344.0	5344.2	5343.8	0.4	50.0	11.75	0.75	PVC	40.0-50.0	5304.0-5294.0	0.050
KAFB-106123-150			1542010.34	1472850.66	5344.0	5344.2	5343.8	0.4	150.0	9.63	0.75	PVC	140.0-150.0	5204.0-5194.0	0.050
KAFB-106123-250			1542010.28	1472850.35	5344.0	5344.2	5343.8	0.4	250.0	9.63	0.75	PVC	240.0-250.0	5104.0-5094.0	0.050
KAFB-106123-350			1542010.56	1472850.17	5344.0	5344.2	5343.7	0.5	350.0	9.63	0.75	PVC	340.0-350.0	5004.0-4994.0	0.050
KAFB-106123-442			1542010.51	1472850.56	5344.0	5344.2	5343.7	0.5	442.0	9.63	3.00	PVC	432.0-442.0	4912.0-4902.0	0.050
KAFB-106128															
KAFB-106128-025	SVM-21 (sampled)	3/8/2011	1541619.61	1473223.25	5343.8	5343.9	5343.6	0.3	25.0	11.75	0.75	PVC	15.0-25.0	5328.8-5318.8	0.050
KAFB-106128-050	Fuel Percolation Area		1541619.50	1473223.98	5343.8	5343.9	5343.6	0.3	50.1	11.75	0.75	PVC	40.1-50.1	5303.7-5293.7	0.050
KAFB-106128-150			1541619.72	1473223.78	5343.8	5343.9	5343.6	0.3	150.2	9.63	0.75	PVC	140.2-150.2	5203.6-5193.6	0.050
KAFB-106128-250			1541619.98	1473223.92	5343.8	5343.9	5343.6	0.3	250.3	9.63	0.75	PVC	240.3-250.3	5103.5-5093.5	0.050
KAFB-106128-350			1541619.92	1473223.25	5343.8	5343.9	5343.6	0.3	350.4	9.63	0.75	PVC	340.4-350.4	5003.4-4993.4	0.050
KAFB-106128-450			1541619.72	1473223.15	5343.8	5343.9	5343.6	0.3	450.0	9.63	3.00	PVC	440.0-450.0	4903.8-4893.8	0.050
KAFB-106138															
KAFB-106138-025	SVM-04 (not sampled)	4/7/2011	1541536.74	1475005.68	5347.4	5347.4	5347.2	0.2	25.0	11.75	0.75	PVC	15.0-25.0	5332.4-5322.4	0.050
KAFB-106138-050	Far Field		1541536.40	1475005.57	5347.4	5347.4	5347.2	0.2	50.0	11.75	0.75	PVC	40.0-50.0	5307.4-5297.4	0.050
KAFB-106138-150			1541536.37	1475005.28	5347.4	5347.4	5347.1	0.3	150.0	9.63	0.75	PVC	140.0-150.0	5207.4-5197.4	0.050
KAFB-106138-250			1541536.65	1475005.17	5347.4	5347.4	5347.2	0.2	250.0	9.63	0.75	PVC	240.0-250.0	5107.4-5097.4	0.050
KAFB-106138-350			1541536.87	1475005.42	5347.4	5347.4	5347.2	0.2	350.0	9.63	0.75	PVC	340.0-350.0	5007.4-4997.4	0.050
KAFB-106138-450			1541536.57	1475005.51	5347.4	5347.4	5347.2	0.2	450.0	9.63	3.00	PVC	440.0-450.0	4907.4-4897.4	0.050
KAFB-106141															
KAFB-106141-025	SVM-08 (not sampled)	4/15/2011	1542470.87	1475343.43	5334.4	5334.7	5334.2	0.5	25.0	11.75	0.75	PVC	15.0-25.0	5319.4-5309.4	0.050
KAFB-106141-060	Far Field		1542471.00	1475343.69	5334.4	5334.7	5334.2	0.5	60.0	11.75	0.75	PVC	50.0-60.0	5284.4-5274.4	0.050
KAFB-106141-170			1542470.84	1475343.91	5334.4	5334.7	5334.2	0.5	170.0	9.63	0.75	PVC	160.0-170.0	5174.4-5164.4	0.050
KAFB-106141-250			1542470.55	1475343.81	5334.4	5334.7	5334.2	0.5	250.0	9.63	0.75	PVC	240.0-250.0	5094.4-5084.4	0.050
KAFB-106141-350			1542470.58	1475343.53	5334.4	5334.7	5334.2	0.5	350.0	9.63	0.75	PVC	340.0-350.0	4994.4-4984.4	0.050
KAFB-106141-450			1542470.78	1475343.76	5334.4	5334.7	5334.2	0.5	450.0	9.63	3.00	PVC	440.0-450.0	4894.4-4884.4	0.050
KAFB-106142															
KAFB-106142-030	SVM-09 (not sampled)	4/21/2011	1542455.68	1474944.03	5349.2	5349.6	5349.2	0.4	30.0	11.75	0.75	PVC	20.0-30.0	5329.2-5319.2	0.050
KAFB-106142-050	Far Field		1542455.43	1474944.16	5349.2	5349.6	5349.2	0.4	50.0	11.75	0.75	PVC	40.0-50.0	5309.2-5299.2	0.050
KAFB-106142-170			1542455.22	1474943.94	5349.2	5349.6	5349.1	0.5	170.0	9.63	0.75	PVC	160.0-170.0	5189.2-5179.2	0.050
KAFB-106142-250			1542455.37	1474943.66	5349.2	5349.6	5349.2	0.4	250.0	9.63	0.75	PVC	240.0-250.0	5109.2-5099.2	0.050
KAFB-106142-350			1542455.67	1474943.75	5349.2	5349.6	5349.2	0.4	350.0	9.63	0.75	PVC	340.0-350.0	5009.2-4999.2	0.050
KAFB-106142-450			1542455.49	1474944.00	5349.2	5349.6	5349.2	0.4	450.0	9.63	3.00	PVC	440.0-450.0	4909.2-4899.2	0.050

Table 3-4. SVM Well Construction Details
January - September 2011

WELL ID	NMED ID AND LOCATION	DATE INSTALLED	EASTING[a]	NORTHING[a]	GROUND ELEVATION (FAMSL)[b]	MEASURING POINT-TOP OF WELL VAULT ELEVATION (FAMSL)[b]	TOP OF PVC ELEVATION (FAMSL)[b]	TOP OF PVC (FT BELOW WELL VAULT)	WELL DEPTH (FT BGS)	BORING DIAMETER (IN)	CASING DIAMETER (IN)	CASING TYPE	SCREENED INTERVAL (FT BGS)	SCREENED INTERVAL (FAMSL)	SCREEN SLOT SIZE (IN)
Quarter 01 Report 2011 SVM Wells															
KAFB-106108															
KAFB-106108-025	SVM-01 (sampled)	2/18/2011	1541083.87	1473729.71	5341.9	5341.9	5341.5	0.4	25.3	11.75	0.75	PVC	15.3-25.3	5326.6-5316.6	0.050
KAFB-106108-050	Fuel Offloading Rack		1541083.74	1473729.47	5341.9	5341.9	5341.5	0.4	50.0	11.75	0.75	PVC	40.0-50.0	5301.9-5291.9	0.050
KAFB-106108-150			1541083.96	1473729.28	5341.9	5341.9	5341.5	0.4	150.2	9.63	0.75	PVC	140.2-150.2	5201.7-5191.7	0.050
KAFB-106108-250			1541084.21	1473729.42	5341.9	5341.9	5341.5	0.5	250.3	9.63	0.75	PVC	240.3-250.3	5101.6-5091.6	0.050
KAFB-106108-350			1541084.14	1473729.72	5341.9	5341.9	5341.5	0.4	350.3	9.63	0.75	PVC	340.3-350.3	5001.6-4991.6	0.050
KAFB-106108-450			1541083.99	1473729.60	5341.9	5341.9	5341.5	0.4	450.0	9.63	3.00	PVC	440.0-450.0	4901.9-4891.9	0.050
KAFB-106109															
KAFB-106109-025	SVM-02 (sampled)	2/9/2011	1540803.71	1473477.62	5338.7	5338.9	5338.4	0.5	25.2	11.75	0.75	PVC	15.2-25.2	5323.5-5313.5	0.050
KAFB-106109-050	Fuel Offloading Rack		1540803.89	1473477.83	5338.7	5338.9	5338.3	0.6	50.1	11.75	0.75	PVC	40.1-50.1	5298.6-5288.6	0.050
KAFB-106109-150			1540803.71	1473478.11	5338.7	5338.9	5338.3	0.6	150.0	9.63	0.75	PVC	140.0-150.0	5198.7-5188.7	0.050
KAFB-106109-250			1540803.43	1473478.02	5338.7	5338.9	5338.4	0.5	250.2	9.63	0.75	PVC	240.2-250.2	5098.5-5088.5	0.050
KAFB-106109-350			1540803.42	1473477.70	5338.7	5338.9	5338.4	0.5	350.6	9.63	0.75	PVC	340.6-350.6	4998.1-4988.1	0.050
KAFB-106109-450			1540803.65	1473477.95	5338.7	5338.9	5338.4	0.5	450.0	9.63	3.00	PVC	440.0-450.0	4898.7-4888.7	0.050
KAFB-106110															
KAFB-106110-025	SVM-03 (sampled)	2/24/2011	1541121.58	1473283.48	5340.4	5340.5	5340.1	0.4	25.0	11.75	0.75	PVC	15.0-25.0	5325.4-5315.4	0.050
KAFB-106110-050	Fuel Offloading Rack		1541121.34	1473283.26	5340.4	5340.5	5340.1	0.4	50.1	11.75	0.75	PVC	40.1-50.1	5300.3-5290.3	0.050
KAFB-106110-150			1541121.49	1473283.02	5340.4	5340.5	5340.1	0.4	150.3	9.63	0.75	PVC	140.3-150.3	5200.1-5190.1	0.050
KAFB-106110-250			1541121.75	1473283.07	5340.4	5340.5	5340.1	0.4	250.0	9.63	0.75	PVC	240.0-250.0	5100.4-5090.4	0.050
KAFB-106110-350			1541121.80	1473283.35	5340.4	5340.5	5340.1	0.4	350.2	9.63	0.75	PVC	340.2-350.2	5000.2-4990.2	0.050
KAFB-106110-450			1541121.58	1473283.34	5340.4	5340.5	5340.1	0.4	450.0	9.63	3.00	PVC	440.0-450.0	4900.4-4890.4	0.050
KAFB-106111															
KAFB-106111-025	SVM-04 (sampled)	3/4/2011	1541335.96	1473286.17	5341.3	5341.6	5341.0	0.6	25.2	11.75	0.75	PVC	15.2-25.2	5326.1-5316.1	0.050
KAFB-106111-050	Fuel Offloading Rack		1541336.14	1473285.95	5341.3	5341.6	5341.1	0.5	50.1	11.75	0.75	PVC	40.1-50.1	5301.2-5291.2	0.050
KAFB-106111-150			1541336.40	1473286.06	5341.3	5341.6	5341.1	0.5	150.3	9.63	0.75	PVC	140.3-150.3	5201.0-5191.0	0.050
KAFB-106111-250			1541336.38	1473286.32	5341.3	5341.6	5341.1	0.5	250.3	9.63	0.75	PVC	240.3-250.3	5101.0-5091.0	0.050
KAFB-106111-350			1541336.08	1473286.40	5341.3	5341.6	5341.1	0.5	350.4	9.63	0.75	PVC	340.4-350.4	5000.9-4990.9	0.050
KAFB-106111-450			1541336.22	1473286.30	5341.3	5341.6	5341.0	0.6	450.3	9.63	3.00	PVC	440.3-450.3	4901.0-4891.0	0.050
KAFB-106112															
KAFB-106112-025	SVM-05 (sampled)	3/2/2011	1541936.54	1473503.09	5347.6	5347.8	5347.2	0.6	25.0	11.75	0.75	PVC	15.0-25.0	5332.6-5322.6	0.050
KAFB-106112-050	Fuel Percolation Area		1541936.70	1473502.85	5347.6	5347.8	5347.2	0.6	50.0	11.75	0.75	PVC	40.0-50.0	5307.6-5297.6	0.050
KAFB-106112-150			1541936.98	1473502.95	5347.6	5347.8	5347.3	0.5	150.0	9.63	0.75	PVC	140.0-150.0	5207.6-5197.6	0.050
KAFB-106112-250			1541937.01	1473503.22	5347.6	5347.8	5347.3	0.5	250.0	9.63	0.75	PVC	240.0-250.0	5107.6-5097.6	0.050
KAFB-106112-350			1541936.72	1473503.34	5347.6	5347.8	5347.3	0.5	349.0	9.63	0.75	PVC	339.0-349.0	5008.6-4998.6	0.050
KAFB-106112-450			1541936.80	1473503.19	5347.6	5347.8	5347.3	0.5	449.0	9.63	3.00	PVC	439.0-449.0	4908.6-4898.6	0.050

Table 3-4. SVM Well Construction Details
January - September 2011

WELL ID	NMED ID AND LOCATION	DATE INSTALLED	EASTING[a]	NORTHING[a]	GROUND ELEVATION (FAMSL)[b]	MEASURING POINT-TOP OF WELL VAULT ELEVATION (FAMSL)[b]	TOP OF PVC ELEVATION (FAMSL)[b]	TOP OF PVC (FT BELOW WELL VAULT)	WELL DEPTH (FT BGS)	BORING DIAMETER (IN)	CASING DIAMETER (IN)	CASING TYPE	SCREENED INTERVAL (FT BGS)	SCREENED INTERVAL (FAMSL)	SCREEN SLOT SIZE (IN)
KAFB-106113															
KAFB-106113-020	SVM-06 (sampled)	2/8/2011	1542004.37	1473062.15	5345.8	5346.1	5345.5	0.6	20.0	11.75	0.75	PVC	10.0-20.0	5335.8-5325.8	0.050
KAFB-106113-050	Piping		1542004.23	1473061.84	5345.8	5346.1	5345.5	0.6	50.0	11.75	0.75	PVC	40.0-50.0	5305.8-5295.8	0.050
KAFB-106113-150			1542004.48	1473061.65	5345.8	5346.1	5345.5	0.6	150.0	9.63	0.75	PVC	140.0-150.0	5205.8-5195.8	0.050
KAFB-106113-250			1542004.79	1473061.80	5345.8	5346.1	5345.5	0.6	250.0	9.63	0.75	PVC	240.0-250.0	5105.8-5095.8	0.050
KAFB-106113-350			1542004.70	1473062.07	5345.8	5346.1	5345.6	0.5	350.0	9.63	0.75	PVC	340.0-350.0	5005.8-4995.8	0.050
KAFB-106113-450			1542004.50	1473062.01	5345.8	5346.1	5345.6	0.5	450.0	9.63	3.00	PVC	440.0-450.0	4905.8-4895.8	0.050
KAFB-106114															
KAFB-106114-025	SVM-07 (sampled)	3/1/2011	1541796.49	1473062.35	5344.8	5344.9	5344.6	0.3	25.0	11.75	0.75	PVC	15.0-25.0	5329.8-5319.8	0.050
KAFB-106114-050	Piping		1541796.24	1473062.13	5344.8	5344.9	5344.6	0.3	50.0	11.75	0.75	PVC	40.0-50.0	5304.8-5294.8	0.050
KAFB-106114-150			1541796.37	1473061.84	5344.8	5344.9	5344.6	0.3	150.0	9.63	0.75	PVC	140.0-150.0	5204.8-5194.8	0.050
KAFB-106114-245			1541796.68	1473061.86	5344.8	5344.9	5344.6	0.3	245.0	9.63	0.75	PVC	235.0-245.0	5109.8-5099.8	0.050
KAFB-106114-350			1541796.71	1473062.17	5344.8	5344.9	5344.6	0.3	350.0	9.63	0.75	PVC	340.0-350.0	5004.8-4994.8	0.050
KAFB-106114-450			1541796.50	1473062.21	5344.8	5344.9	5344.6	0.3	449.6	9.63	3.00	PVC	439.6-449.6	4905.2-4895.2	0.050
KAFB-106115															
KAFB-106115-025	SVM-08 (sampled)	2/20/2011	1542375.31	1473054.86	5347.9	5348.1	5347.6	0.5	24.6	11.75	0.75	PVC	14.6-24.6	5333.3-5323.3	0.050
KAFB-106115-050	Piping		1542375.13	1473054.62	5347.9	5348.1	5347.6	0.5	49.6	11.75	0.75	PVC	39.6-49.6	5308.3-5298.3	0.050
KAFB-106115-155			1542374.86	1473054.66	5347.9	5348.1	5347.6	0.5	154.6	9.63	0.75	PVC	144.6-154.6	5203.3-5193.3	0.050
KAFB-106115-250			1542374.83	1473054.94	5347.9	5348.1	5347.7	0.4	249.6	9.63	0.75	PVC	239.6-249.6	5108.3-5098.3	0.050
KAFB-106115-350			1542375.10	1473055.00	5347.9	5348.1	5347.7	0.4	349.6	9.63	0.75	PVC	339.6-349.6	5008.3-4998.3	0.050
KAFB-106115-450			1542375.05	1473054.93	5347.9	5348.1	5347.7	0.4	449.6	9.63	3.00	PVC	439.6-449.6	4908.3-4898.3	0.050
KAFB-106118															
KAFB-106118-025	SVM-11 (sampled)	3/7/2011	1541791.34	1473740.74	5345.8	5345.9	5345.5	0.4	25.0	11.75	0.75	PVC	15.0-25.0	5330.8-5320.8	0.050
KAFB-106118-050	Step-out from Fuel Offloading Rack		1541791.43	1473741.03	5345.8	5345.9	5345.4	0.5	50.0	11.75	0.75	PVC	40.0-50.0	5305.8-5295.8	0.050
KAFB-106118-160			1541791.54	1473740.55	5345.8	5345.9	5345.4	0.5	160.0	9.63	0.75	PVC	150.0-160.0	5195.8-5185.8	0.050
KAFB-106118-265			1541791.76	1473741.00	5345.8	5345.9	5345.5	0.4	265.0	9.63	0.75	PVC	255.0-265.0	5090.8-5080.8	0.050
KAFB-106118-350			1541791.83	1473740.65	5345.8	5345.9	5345.5	0.4	350.0	9.63	0.75	PVC	340.0-350.0	5005.8-4995.8	0.050
KAFB-106118-450			1541791.61	1473740.91	5345.8	5345.9	5345.4	0.5	450.0	9.63	3.00	PVC	440.0-450.0	4905.8-4895.8	0.050
KAFB-106119															
KAFB-106119-025	SVM-12 (sampled)	3/6/2011	1541613.06	1473519.57	5343.5	5343.6	5343.2	0.4	25.0	11.75	0.75	PVC	15.0-25.0	5328.5-5318.5	0.050
KAFB-106119-050	Fuel Percolation Area and Fuel Offloading Rack		1541613.23	1473519.32	5343.5	5343.6	5343.2	0.4	50.0	11.75	0.75	PVC	40.0-50.0	5303.5-5293.5	0.050
KAFB-106119-150			1541613.50	1473519.41	5343.5	5343.6	5343.2	0.4	150.0	9.63	0.75	PVC	140.0-150.0	5203.5-5193.5	0.050
KAFB-106119-250			1541613.54	1473519.68	5343.5	5343.6	5343.2	0.4	250.0	9.63	0.75	PVC	240.0-250.0	5103.5-5093.5	0.050
KAFB-106119-350			1541613.27	1473519.79	5343.5	5343.6	5343.2	0.4	350.0	9.63	0.75	PVC	340.0-350.0	5003.5-4993.5	0.050
KAFB-106119-450			1541613.29	1473519.63	5343.5	5343.6	5343.2	0.4	450.0	9.63	3.00	PVC	440.0-450.0	4903.5-4893.5	0.050

Table 3-4. SVM Well Construction Details
January - September 2011

WELL ID	NMED ID AND LOCATION	DATE INSTALLED	EASTING[a]	NORTHING[a]	GROUND ELEVATION (FAMSL)[b]	MEASURING POINT-TOP OF WELL VAULT ELEVATION (FAMSL)[b]	TOP OF PVC ELEVATION (FAMSL)[b]	TOP OF PVC (FT BELOW WELL VAULT)	WELL DEPTH (FT BGS)	BORING DIAMETER (IN)	CASING DIAMETER (IN)	CASING TYPE	SCREENED INTERVAL (FT BGS)	SCREENED INTERVAL (FAMSL)	SCREEN SLOT SIZE (IN)
KAFB-106129															
KAFB-106129-025	SVM-22 (sampled)	3/6/2011	1542130.54	1473260.77	5348.4	5348.5	5348.1	0.4	25.1	11.75	0.75	PVC	15.1-25.1	5333.3-5323.3	0.050
KAFB-106129-050	Fuel Percolation Area		1542130.82	1473260.63	5348.4	5348.5	5348.2	0.3	49.7	11.75	0.75	PVC	39.7-49.7	5308.7-5298.7	0.050
KAFB-106129-150			1542131.04	1473260.87	5348.4	5348.5	5348.1	0.4	150.2	9.63	0.75	PVC	140.2-150.2	5208.2-5198.2	0.050
KAFB-106129-250			1542130.92	1473261.13	5348.4	5348.5	5348.1	0.4	250.1	9.63	0.75	PVC	240.1-250.1	5108.3-5098.3	0.050
KAFB-106129-350			1542130.63	1473261.10	5348.4	5348.5	5348.0	0.5	347.4	9.63	0.75	PVC	337.4-347.4	5011.0-5001.0	0.050
KAFB-106129-450			1542130.79	1473260.99	5348.4	5348.5	5348.2	0.3	450.7	9.63	3.00	PVC	440.7-450.7	4907.7-4897.7	0.050
KAFB-106130															
KAFB-106130-025	SVM-23 (sampled)	2/21/2011	1542130.89	1473565.67	5349.0	5349.2	5348.7	0.5	25.0	11.75	0.75	PVC	15.0-25.0	5334.0-5324.0	0.050
KAFB-106130-050	Fuel Percolation Area		1542131.10	1473565.54	5349.0	5349.2	5348.7	0.5	50.0	11.75	0.75	PVC	40.0-50.0	5309.0-5299.0	0.050
KAFB-106130-160			1542131.37	1473565.64	5349.0	5349.2	5348.7	0.5	160.0	9.63	0.75	PVC	150.0-160.0	5199.0-5189.0	0.050
KAFB-106130-250			1542131.32	1473565.92	5349.0	5349.2	5348.7	0.5	250.0	9.63	0.75	PVC	240.0-250.0	5109.0-5099.0	0.050
KAFB-106130-350			1542131.05	1473566.00	5349.0	5349.2	5348.7	0.5	350.0	9.63	0.75	PVC	340.0-350.0	5009.0-4999.0	0.050
KAFB-106130-450			1542131.11	1473565.86	5349.0	5349.2	5348.8	0.4	450.0	9.63	3.00	PVC	440.0-450.0	4909.0-4899.0	0.050
KAFB-106131															
KAFB-106131-025	SVM-24 (sampled)	3/7/2011	1541690.40	1472926.92	5344.4	5344.6	5344.3	0.3	25.0	11.75	0.75	PVC	15.0-25.0	5329.4-5319.4	0.050
KAFB-106131-055	Far Field and Piping		1541690.62	1472926.74	5344.4	5344.6	5344.3	0.3	55.0	11.75	0.75	PVC	45.0-55.0	5299.4-5289.4	0.050
KAFB-106131-150			1541690.52	1472927.23	5344.4	5344.6	5344.3	0.3	150.0	9.63	0.75	PVC	140.0-150.0	5204.4-5194.4	0.050
KAFB-106131-245			1541690.89	1472926.90	5344.4	5344.6	5344.3	0.3	245.0	9.63	0.75	PVC	235.0-245.0	5109.4-5099.4	0.050
KAFB-106131-350			1541690.79	1472927.19	5344.4	5344.6	5344.3	0.3	350.0	9.63	0.75	PVC	340.0-350.0	5004.4-4994.4	0.050
KAFB-106131-440			1541690.63	1472927.07	5344.4	5344.6	5344.3	0.3	440.0	9.63	3.00	PVC	430.0-440.0	4914.4-4904.4	0.050
KAFB-106132															
KAFB-106132-025	SVM-25 (sampled)	2/17/2011	1542804.30	1473591.31	5353.0	5353.0	5352.7	0.3	25.0	11.75	0.75	PVC	15.0-25.0	5338.0-5328.0	0.050
KAFB-106132-050	Fuel Percolation Area		1542803.81	1473591.40	5353.0	5353.0	5352.7	0.3	50.0	11.75	0.75	PVC	40.0-50.0	5313.0-5303.0	0.050
KAFB-106132-175			1542804.13	1473591.06	5353.0	5353.0	5352.7	0.3	175.0	9.63	0.75	PVC	165.0-175.0	5188.0-5178.0	0.050
KAFB-106132-250			1542803.82	1473591.09	5353.0	5353.0	5352.7	0.3	250.0	9.63	0.75	PVC	240.0-250.0	5113.0-5103.0	0.050
KAFB-106132-350			1542804.08	1473591.52	5353.0	5353.0	5352.7	0.3	350.0	9.63	0.75	PVC	340.0-350.0	5013.0-5003.0	0.050
KAFB-106132-450			1542804.04	1473591.35	5353.0	5353.0	5352.7	0.3	450.0	9.63	3.00	PVC	440.0-450.0	4913.0-4903.0	0.050
KAFB-106133															
KAFB-106133-025	SVM-26 (sampled)	2/16/2011	1542416.13	1473501.59	5352.0	5352.0	5351.6	0.4	25.0	11.75	0.75	PVC	15.0-25.0	5337.0-5327.0	0.050
KAFB-106133-050	Fuel Percolation Area		1542416.05	1473501.87	5352.0	5352.0	5351.6	0.4	50.0	11.75	0.75	PVC	40.0-50.0	5312.0-5302.0	0.050
KAFB-106133-170			1542416.29	1473502.09	5352.0	5352.0	5351.5	0.5	170.0	9.63	0.75	PVC	160.0-170.0	5192.0-5182.0	0.050
KAFB-106133-250			1542416.53	1473501.93	5352.0	5352.0	5351.5	0.5	250.0	9.63	0.75	PVC	240.0-250.0	5112.0-5102.0	0.050
KAFB-106133-350			1542416.48	1473501.62	5352.0	5352.0	5351.6	0.4	349.0	9.63	0.75	PVC	339.0-349.0	5013.0-5003.0	0.050
KAFB-106133-450			1542416.30	1473501.87	5352.0	5352.0	5351.6	0.4	449.0	9.63	3.00	PVC	439.0-449.0	4913.0-4903.0	0.050

Table 3-4. SVM Well Construction Details
January - September 2011

WELL ID	NMED ID AND LOCATION	DATE INSTALLED	EASTING[a]	NORTHING[a]	GROUND ELEVATION (FAMSL)[b]	MEASURING POINT-TOP OF WELL VAULT ELEVATION (FAMSL)[b]	TOP OF PVC ELEVATION (FAMSL)[b]	TOP OF PVC (FT BELOW WELL VAULT)	WELL DEPTH (FT BGS)	BORING DIAMETER (IN)	CASING DIAMETER (IN)	CASING TYPE	SCREENED INTERVAL (FT BGS)	SCREENED INTERVAL (FAMSL)	SCREEN SLOT SIZE (IN)
KAFB-106134															
KAFB-106134-025	SVM-27 (sampled)	2/23/2011	1542371.26	1473809.91	5347.6	5348.0	5347.5	0.5	25.0	11.75	0.75	PVC	15.0-25.0	5332.6-5322.6	0.050
KAFB-106134-050	Fuel Percolation Area		1542370.98	1473809.94	5347.6	5348.0	5347.5	0.5	50.0	11.75	0.75	PVC	40.0-50.0	5307.6-5297.6	0.050
KAFB-106134-170			1542371.37	1473810.19	5347.6	5348.0	5347.5	0.5	170.0	9.63	0.75	PVC	160.0-170.0	5187.6-5177.6	0.050
KAFB-106134-250			1542371.17	1473810.38	5347.6	5348.0	5347.4	0.6	250.0	9.63	0.75	PVC	240.0-250.0	5107.6-5097.6	0.050
KAFB-106134-350			1542370.87	1473810.22	5347.6	5348.0	5347.5	0.5	350.0	9.63	0.75	PVC	340.0-350.0	5007.6-4997.6	0.050
KAFB-106134-450			1542371.14	1473810.24	5347.6	5348.0	5347.5	0.5	450.0	9.63	3.00	PVC	440.0-450.0	4907.6-4897.6	0.050
KAFB-106135															
KAFB-106135-025	SVM-01 (not sampled)	2/5/2011	1542905.05	1474068.94	5351.1	5351.4	5350.9	0.5	25.0	11.75	0.75	PVC	15.0-25.0	5336.1-5326.1	0.050
KAFB-106135-050	Far Field		1542905.26	1474068.73	5351.1	5351.4	5350.9	0.5	50.0	11.75	0.75	PVC	40.0-50.0	5311.1-5301.1	0.050
KAFB-106135-150			1542905.12	1474068.42	5351.1	5351.4	5350.9	0.5	150.0	9.63	0.75	PVC	140.0-150.0	5211.1-5201.1	0.050
KAFB-106135-250			1542904.79	1474068.53	5351.1	5351.4	5350.9	0.5	250.0	9.63	0.75	PVC	240.0-250.0	5111.1-5101.1	0.050
KAFB-106135-350			1542904.80	1474068.83	5351.1	5351.4	5350.9	0.5	350.0	9.63	0.75	PVC	340.0-350.0	5011.1-5001.1	0.050
KAFB-106135-450			1542904.98	1474068.80	5351.1	5351.4	5350.9	0.5	450.0	9.63	3.00	PVC	440.0-450.0	4911.1-4901.1	0.050
KAFB-106137															
KAFB-106137-025	SVM-03 (not sampled)	1/22/2011	1542321.63	1474077.36	5347.3	5347.4	5346.8	0.6	25.0	11.75	0.75	PVC	15.0-25.0	5332.3-5322.3	0.050
KAFB-106137-050	Far Field		1542321.39	1474077.54	5347.3	5347.4	5346.7	0.7	50.0	11.75	0.75	PVC	40.0-50.0	5307.3-5297.3	0.050
KAFB-106137-150			1542321.11	1474077.35	5347.3	5347.4	5346.7	0.7	150.0	9.63	0.75	PVC	140.0-150.0	5207.3-5197.3	0.050
KAFB-106137-250			1542321.25	1474077.08	5347.3	5347.4	5346.9	0.5	250.1	9.63	0.75	PVC	240.1-250.1	5107.2-5097.2	0.050
KAFB-106137-350			1542321.59	1474077.09	5347.3	5347.4	5346.9	0.5	350.5	9.63	0.75	PVC	340.5-350.5	5006.8-4996.8	0.050
KAFB-106137-450			1542321.39	1474077.42	5347.3	5347.4	5346.9	0.5	450.0	9.63	3.00	PVC	440.0-450.0	4907.3-4897.3	0.050
KAFB-106139															
KAFB-106139-025	SVM-05 (not sampled)	1/14/2011	1541248.32	1474049.85	5341.3	5341.5	5341.0	0.5	25.0	11.75	0.75	PVC	15.0-25.0	5326.3-5316.3	0.050
KAFB-106139-050	Far Field		1541248.53	1474049.41	5341.3	5341.5	5341.0	0.5	50.0	11.75	0.75	PVC	40.0-50.0	5301.3-5291.3	0.050
KAFB-106139-150			1541248.26	1474049.29	5341.3	5341.5	5341.0	0.5	150.0	9.63	0.75	PVC	140.0-150.0	5201.3-5191.3	0.050
KAFB-106139-250			1541248.11	1474049.60	5341.3	5341.5	5341.0	0.5	250.0	9.63	0.75	PVC	240.0-250.0	5101.3-5091.3	0.050
KAFB-106139-350			1541248.60	1474049.74	5341.3	5341.5	5341.0	0.5	350.0	9.63	0.75	PVC	340.0-350.0	5001.3-4991.3	0.050
KAFB-106139-450			1541248.45	1474049.68	5341.3	5341.5	5341.0	0.5	450.0	9.63	3.00	PVC	440.0-450.0	4901.3-4891.3	0.050
KAFB-106140															
KAFB-106140-025	SVM-06 (not sampled)	1/20/2011	1542236.62	1472632.54	5345.3	5345.4	5345.0	0.4	25.0	11.75	0.75	PVC	15.0-25.0	5330.3-5320.3	0.050
KAFB-106140-050	Far Field and Fuel Tanks		1542236.96	1472632.40	5345.3	5345.4	5345.0	0.4	50.0	11.75	0.75	PVC	40.0-50.0	5305.3-5295.3	0.050
KAFB-106140-150			1542236.66	1472632.87	5345.3	5345.4	5345.0	0.4	151.8	9.63	0.75	PVC	141.8-151.8	5203.5-5193.5	0.050
KAFB-106140-250			1542236.96	1472632.93	5345.3	5345.4	5345.0	0.4	250.0	9.63	0.75	PVC	240.0-250.0	5105.3-5095.3	0.050
KAFB-106140-350			1542237.19	1472632.68	5345.3	5345.4	5345.1	0.3	350.0	9.63	0.75	PVC	340.0-350.0	5005.3-4995.3	0.050
KAFB-106140-450			1542236.88	1472632.75	5345.3	5345.4	5344.9	0.5	450.0	9.63	3.00	PVC	440.0-450.0	4905.3-4895.3	0.050

[a] Horizontal Coordinate System: NM_NAD83_ST_PL_Central_FIPS_3002_Feet
[b] Vertical Coordinate System: NAVD88
FT BGS Feet Below Ground Surface
FAMSL Feet Above Mean Sea Level
IN Inches
NAD83 North American Datum of 1983
NAVD88 North American Vertical Datum of 1988
PVC Polyvinyl Chloride
SVM Soil Vapor Monitoring

THIS PAGE INTENTIONALLY LEFT BLANK

Table 3-5. Pneulog, LNAPL Containment, and SVE Well Construction Details

WELL ID	DATE INSTALLED	EASTING[a]	NORTHING[a]	GROUND ELEVATION (FAMSL)[b]	TOP OF WELL VAULT ELEVATION (FAMSL)[b]	TOP OF PVC ELEVATION (FAMSL)[b]	TOP OF PVC (FT BELOW WELL VAULT)	WELL DEPTH (FT BGS)	BORING DIAMETER (IN)	CASING DIAMETER (IN)	CASING TYPE	SCREENED INTERVAL(s) (FT BGS)	SCREENED INTERVAL(s) (FAMSL)[b]	SCREEN SLOT SIZE (IN)
Pneulog Wells														
KAFB-106148														
KAFB-106148-194	9/12/2011	1473487.79	1541499.09	5344.1	5344.3	5343.3	1.0	194.0	11.75	3.0	PVC	24.0-194.0	5320.1-5150.1	0.050
KAFB-106148-349		1473488.31	1541498.72	5344.1	5344.3	5343.3	1.0	349.0	9.63	3.0	PVC	199.0-349.0	5145.1-4995.1	0.050
KAFB-106148-484		1473487.74	1541498.47	5344.1	5344.3	5343.3	1.0	484.0	9.63	3.0	PVC	354.0-484.0	4990.1-4860.1	0.050
KAFB-106149														
KAFB-106149-194	9/16/2011	1473376.76	1541755.70	5346.0	5346.0	5345.4	0.6	194.0	11.75	3.0	PVC	24.0-194.0	5322.1-5152.1	0.050
KAFB-106149-349		1473377.20	1541755.35	5346.0	5346.0	5345.4	0.6	349.0	9.63	3.0	PVC	199.0-349.0	5147.1-4997.1	0.050
KAFB-106149-484		1473376.67	1541755.13	5346.0	5346.0	5345.4	0.6	484.0	9.63	3.0	PVC	354.0-484.0	4992.1-4862.1	0.050
KAFB-106150														
KAFB-106150-200	9/23/2011	1473221.05	1541661.46	5344.1	5344.1	5343.5	0.6	200.0	11.75	3.0	PVC	25.0-200.0	5319.2-5144.2	0.050
KAFB-106150-350		1473220.81	1541660.96	5344.1	5344.1	5343.6	0.5	350.0	9.63	3.0	PVC	206.0-350.0	5138.2-4994.2	0.050
KAFB-106150-484		1473220.50	1541661.43	5344.1	5344.1	5343.5	0.6	484.0	9.63	3.0	PVC	355.0-484.0	4989.2-4860.2	0.050
KAFB-106151														
KAFB-106151-200	9/30/2011	1473743.39	1541674.67	5345.3	5345.6	5345.1	0.5	200.0	11.75	3.0	PVC	26.0-200.0	5319.3-5145.3	0.050
KAFB-106151-350		1473743.70	1541674.24	5345.3	5345.6	5345.1	0.5	350.0	9.63	3.0	PVC	206.0-350.0	5139.3-4995.3	0.050
KAFB-106151-484		1473743.19	1541674.20	5345.3	5345.6	5345.0	0.6	484.0	9.63	3.0	PVC	355.0-484.0	4990.3-4861.3	0.050
KAFB-106152														
KAFB-106152-194	10/7/2011	1473666.23	1541962.46	5347.4	5347.7	5347.4	0.3	194.0	11.75	3.0	PVC	20.0-194.0	5327.4-5153.4	0.050
KAFB-106152-350		1473666.75	1541962.34	5347.4	5347.7	5347.4	0.3	350.0	9.63	3.0	PVC	206.0-350.0	5141.4-4997.4	0.050
KAFB-106152-484		1473666.42	1541961.97	5347.4	5347.7	5347.4	0.3	484.0	9.63	3.0	PVC	355.0-484.0	4992.4-4863.4	0.050
KAFB-106153														
KAFB-106153-200	10/25/2011	1473464.34	1542175.97	5348.7	5349.1	5348.4	0.7	200.0	11.75	3.0	PVC	26.0-200.0	5322.7-5148.7	0.050
KAFB-106153-350		1473464.69	1542175.52	5348.7	5349.1	5348.4	0.7	350.0	9.63	3.0	PVC	205.0-350.0	5143.7-4998.7	0.050
KAFB-106153-484		1473464.17	1542175.47	5348.7	5349.1	5348.4	0.7	484.0	9.63	3.0	PVC	355.0-484.0	4993.7-4864.7	0.050
KAFB-106154														
KAFB-106154-197	10/20/2011	1473512.48	1541867.62	5347.2	5347.4	5346.7	0.7	197.0	11.75	3.0	PVC	28.0-197.0	5319.2-5150.2	0.050
KAFB-106154-350		1473512.70	1541868.16	5347.2	5347.4	5346.7	0.7	350.0	9.63	3.0	PVC	201.0-350.0	5146.2-4997.2	0.050
KAFB-106154-484		1473512.99	1541867.66	5347.2	5347.4	5346.7	0.7	484.0	9.63	3.0	PVC	355.0-484.0	4992.2-4863.2	0.050
KAFB-106155														
KAFB-106155-200	11/1/2011	1473175.28	1542115.92	5346.9	5347.2	5346.8	0.4	200.0	11.75	3.0	PVC	26.0-200.0	5320.9-5146.9	0.050
KAFB-106155-350		1473174.74	1542115.97	5346.9	5347.2	5346.7	0.5	350.0	9.63	3.0	PVC	206.0-350.0	5140.9-4996.9	0.050
KAFB-106155-484		1473175.00	1542116.36	5346.9	5347.2	5346.7	0.5	484.0	9.63	3.0	PVC	355.0-484.0	4991.9-4862.9	0.050
KAFB-106156														
KAFB-106156-178	11/9/2011	1473295.10	1541298.80	5340.9	5341.2	5340.6	0.6	178.0	11.75	3.0	PVC	19.0-178.0	5321.9-5162.9	0.050
KAFB-106156-341		1473295.02	1541298.30	5340.9	5341.2	5340.6	0.6	341.0	9.63	3.0	PVC	182.0-341.0	5158.9-4999.9	0.050
KAFB-106156-484		1473294.62	1541298.69	5340.9	5341.2	5340.6	0.6	484.0	9.63	3.0	PVC	345.0-484.0	4995.9-4856.9	0.050

Table 3-5. Pneulog, LNAPL Containment, and SVE Well Construction Details

WELL ID	DATE INSTALLED	EASTING[a]	NORTHING[a]	GROUND ELEVATION (FAMSL)[b]	TOP OF WELL VAULT ELEVATION (FAMSL)[b]	TOP OF PVC ELEVATION (FAMSL)[b]	TOP OF PVC (FT BELOW WELL VAULT)	WELL DEPTH (FT BGS)	BORING DIAMETER (IN)	CASING DIAMETER (IN)	CASING TYPE	SCREENED INTERVAL(s) (FT BGS)	SCREENED INTERVAL(s) (FAMSL)[b]	SCREEN SLOT SIZE (IN)
LNAPL Containment Well														
KAFB-106157	12/16/2011	1475168.40	1542616.10	5341.1	5344.3	5343.7	0.5	580.0	13.63	8.0	Stainless Steel	440.0-510.0	4901.1-4831.1	0.030
												520.0-540.0	4821.1-4801.1	0.030
Soil Vapor Extraction Wells														
KAFB-106160	3/5/2012	1473283.34	1541593.17	5343.5	5347.0	5346.8	0.2	540.0	13.63	6.0	Stainless Steel	390.0-440.0	4953.5-4903.5	0.050
												450.0-490.0	4893.5-4853.5	0.050
												490.0-525.0	4853.5-4818.5	0.030
KAFB-106161	2/23/2012	1473334.69	1541896.31	5345.8	5349.3	5349.1	0.2	538.0	13.63	6.0	Stainless Steel	390.0-440.0	4955.8-4905.8	0.050
												450.0-490.0	4895.8-4855.8	0.050
												490.0-525.0	4855.8-4820.8	0.030

[a] Horizontal Coordinate System: NM_NAD83_ST_PL_Central_FIPS_3002_Feet

[b] Vertical Coordinate System: NAVD88

BGS Below Ground Surface
FAMSL Feet Above Mean Sea Level
FT Feet (Foot)
ID Identification
IN Inches
LNAPL Light Non-Aqueous Phase Liquid
NAD83 North American Datum of 1983
NAVD88 North American Vertical Datum of 1988
PVC Polyvinyl Chloride
SVE Soil Vapor Extraction

Table 3-6
Well Installation Survey Data
January 2011 - March 2012

Well ID	Well Type	Survey Date	Easting[a]	Northing[a]	Elevation[b]
1st Quarter 2012[c]					
KAFB-106157	LNAPL Containment	3/6/2012	1542615.74	1475166.85	5344.3
KAFB-106160	SVEW	3/6/2012	1541592.96	1473281.58	5347.0
KAFB-106161	SVEW	3/6/2012	1541896.93	1473333.28	5349.3
4th Quarter 2011[c]					
KAFB-106148	Pneulog	10/27/2011	1541498.71	1473488.63	5344.3
KAFB-106149	Pneulog	10/27/2011	1541755.37	1473377.44	5346.0
KAFB-106150	Pneulog	10/27/2011	1541661.28	1473221.45	5344.1
KAFB-106151	Pneulog	10/27/2011	1541674.44	1473744.07	5345.5
KAFB-106152	Pneulog	10/27/2011	1541962.30	1473667.13	5347.7
KAFB-106153	Pneulog	10/27/2011	1542175.78	1473465.02	5349.1
KAFB-106154	Pneulog	10/27/2011	1541867.67	1473513.33	5347.4
KAFB-106155	Pneulog	11/10/2011	1542116.10	1473175.64	5347.2
KAFB-106156	Pneulog	11/10/2011	1541298.63	1473295.52	5341.2
3rd Quarter 2011[c]					
KAFB-106032	GWMW	8/8/2011	1541595.86	1476183.21	5317.6
KAFB-106033	GWMW	8/8/2011	1541562.35	1476182.84	5317.8
KAFB-106034	GWMW	8/8/2011	1541580.02	1476152.02	5318.6
KAFB-106035	GWMW	9/16/2011	1543635.86	1476440.55	5321.6
KAFB-106036	GWMW	9/16/2011	1543660.15	1476441.08	5322.0
KAFB-106037	GWMW	9/16/2011	1543685.53	1476440.70	5322.2
KAFB-106038	GWMW	9/16/2011	1543314.14	1475062.63	5351.7
KAFB-106039	GWMW	9/16/2011	1543339.76	1475066.18	5351.3
KAFB-106040	GWMW	9/16/2011	1543322.36	1475087.89	5350.3
KAFB-106041	GWMW	8/8/2011	1543647.14	1477945.02	5324.4
KAFB-106042	GWMW	8/8/2011	1543633.95	1477965.57	5324.1
KAFB-106043	GWMW	8/8/2011	1543616.11	1477951.99	5324.4
KAFB-106052	GWMW	8/8/2011	1543037.59	1477669.51	5318.9
KAFB-106053	GWMW	8/8/2011	1543038.23	1477700.80	5318.7
KAFB-106054	GWMW	8/8/2011	1543039.63	1477778.95	5318.4
KAFB-106055	GWMW	8/8/2011	1543757.00	1477302.34	5325.2
KAFB-106057	GWMW	8/8/2011	1543786.19	1477301.35	5325.5
KAFB-106058	GWMW	8/8/2011	1543818.38	1477291.92	5326.1
KAFB-106085	GWMW	8/8/2011	1542564.28	1475983.02	5317.3
KAFB-106086	GWMW	8/8/2011	1542551.83	1475969.46	5317.8
KAFB-106087	GWMW	8/8/2011	1542551.21	1476002.27	5317.0
KAFB-106094	GWMW	8/8/2011	1542110.36	1474711.23	5345.2
KAFB-106095	GWMW	8/8/2011	1542095.42	1474735.61	5344.8
KAFB-106096	GWMW	8/8/2011	1542080.54	1474708.51	5345.4
KAFB-106103	GWMW	8/8/2011	1543685.46	1475685.62	5328.6
KAFB-106104	GWMW	8/8/2011	1543662.44	1475703.32	5328.1
KAFB-106105	GWMW	9/16/2011	1543379.49	1477848.60	5322.0
KAFB-106106	GWMW	9/16/2011	1543381.45	1477873.45	5321.9
KAFB-106107	GWMW	9/16/2011	1543378.71	1477809.35	5322.2
KAFB-106120	SVMW	8/8/2011	1542054.71	1472900.98	5343.6
KAFB-106122	SVMW	8/8/2011	1542096.08	1472866.99	5343.9
KAFB-106124	SVMW	8/8/2011	1542370.28	1472802.90	5345.8

Table 3-6
Well Installation Survey Data
January 2011 - March 2012

Well ID	Well Type	Survey Date	Easting[a]	Northing[a]	Elevation[b]
KAFB-106125	SVMW	8/8/2011	1542444.83	1472870.00	5346.0
KAFB-106126	SVMW	8/8/2011	1542499.75	1472796.80	5346.0
KAFB-106127	SVMW	9/16/2011	1542436.90	1472747.42	5346.2
KAFB-106136	SVMW	8/8/2011	1543098.95	1474676.27	5351.8
2nd Quarter 2011[c]					
KAFB-106029	GWMW	6/14/2011	1542386.20	1477074.41	5311.0
KAFB-106030	GWMW	6/14/2011	1542387.64	1477103.65	5311.0
KAFB-106031	GWMW	6/14/2011	1542388.11	1477132.36	5311.1
KAFB-106046	GWMW	4/15/2011	1542835.69	1473605.46	5352.9
KAFB-106047	GWMW	4/15/2011	1542779.28	1473602.71	5352.8
KAFB-106048	GWMW	4/15/2011	1542804.76	1473621.15	5352.6
KAFB-106049	GWMW	5/23/2011	1542707.55	1477682.53	5316.2
KAFB-106050	GWMW	5/23/2011	1542708.50	1477761.67	5315.6
KAFB-106051	GWMW	5/23/2011	1542708.24	1477727.07	5315.9
KAFB-106059	GWMW	4/15/2011	1541720.89	1473684.25	5344.8
KAFB-106060	GWMW	5/23/2011	1541743.26	1473661.60	5345.3
KAFB-106061	GWMW	4/15/2011	1541758.48	1473682.92	5345.2
KAFB-106062	GWMW	4/15/2011	1542384.99	1473789.27	5351.2
KAFB-106063	GWMW	4/15/2011	1542371.25	1473763.99	5351.9
KAFB-106064	GWMW	4/15/2011	1542358.76	1473788.79	5351.1
KAFB-106065	GWMW	5/23/2011	1542287.64	1474324.70	5348.8
KAFB-106066	GWMW	5/23/2011	1542329.23	1474375.42	5349.1
KAFB-106067	GWMW	5/23/2011	1542741.51	1474717.47	5347.5
KAFB-106068	GWMW	5/23/2011	1542717.55	1474727.02	5347.2
KAFB-106069	GWMW	5/23/2011	1542719.86	1474700.28	5347.3
KAFB-106070	GWMW	6/14/2011	1542890.62	1475942.55	5318.5
KAFB-106071	GWMW	6/14/2011	1542895.61	1475834.17	5320.9
KAFB-106072	GWMW	6/14/2011	1542890.78	1475908.89	5319.3
KAFB-106073	GWMW	5/23/2011	1542192.81	1475261.56	5339.8
KAFB-106074	GWMW	6/14/2011	1542169.66	1475243.54	5340.6
KAFB-106075	GWMW	6/14/2011	1542201.38	1475231.39	5340.5
KAFB-106076	GWMW	4/15/2011	1541808.75	1473219.64	5344.8
KAFB-106077	GWMW	4/15/2011	1541790.39	1473203.53	5344.7
KAFB-106078	GWMW	4/15/2011	1541775.42	1473218.70	5344.6
KAFB-106079	GWMW	5/23/2011	1542252.75	1474078.44	5349.7
KAFB-106080	GWMW	6/14/2011	1542217.40	1474030.32	5348.5
KAFB-106081	GWMW	5/23/2011	1542190.58	1474076.87	5349.5
KAFB-106082	GWMW	5/23/2011	1542571.40	1475334.04	5334.9
KAFB-106083	GWMW	5/23/2011	1542525.96	1475340.93	5334.8
KAFB-106084	GWMW	5/23/2011	1542558.35	1475358.10	5334.2
KAFB-106088	GWMW	6/14/2011	1543228.95	1475764.10	5324.3
KAFB-106089	GWMW	6/14/2011	1543221.51	1475795.63	5323.6
KAFB-106090	GWMW	6/14/2011	1543216.29	1475823.54	5322.9
KAFB-106091	GWMW	6/14/2011	1543010.80	1476816.23	5314.4
KAFB-106092	GWMW	6/14/2011	1543042.05	1476798.05	5314.5
KAFB-106093	GWMW	6/14/2011	1543042.38	1476828.18	5314.5
KAFB-106097	GWMW	5/23/2011	1541706.30	1474734.32	5347.9

Table 3-6
Well Installation Survey Data
January 2011 - March 2012

Well ID	Well Type	Survey Date	Easting[a]	Northing[a]	Elevation[b]
KAFB-106098	GWMW	5/23/2011	1541702.87	1474763.79	5347.9
KAFB-106099	GWMW	5/23/2011	1541014.77	1474352.00	5342.9
KAFB-106100	GWMW	5/23/2011	1541027.97	1474326.52	5342.8
KAFB-106116	SVMW	4/15/2011	1541894.50	1473297.03	5346.5
KAFB-106117	SVMW	4/15/2011	1541727.67	1473367.11	5345.6
KAFB-106121	SVMW	6/14/2011	1542051.45	1472806.06	5343.8
KAFB-106123	SVMW	6/14/2011	1542010.50	1472850.95	5344.2
KAFB-106128	SVMW	4/15/2011	1541619.74	1473223.57	5343.9
KAFB-106138	SVMW	4/18/2011	1541536.44	1475005.88	5347.4
KAFB-106141	SVMW	5/23/2011	1542470.93	1475344.10	5334.7
KAFB-106142	SVMW	5/23/2011	1542455.61	1474944.39	5349.6
1st Quarter 2011[c]					
KAFB-106044	GWMW	1/26/2011	1472371.99	1541447.86	5348.8
KAFB-106045	GWMW	1/26/2011	1472400.65	1541417.96	5348.5
KAFB-106101	GWMW	3/11/2011	1540432.84	1474037.52	5340.3
KAFB-106102	GWMW	3/11/2011	1540402.12	1474038.66	5340.3
KAFB-106108	SVMW	3/11/2011	1541083.99	1473730.11	5341.9
KAFB-106109	SVMW	2/17/2011	1540803.60	1473478.35	5338.9
KAFB-106110	SVMW	3/11/2011	1541121.60	1473283.81	5340.5
KAFB-106111	SVMW	3/11/2011	1541336.13	1473286.63	5341.6
KAFB-106112	SVMW	3/11/2011	1541936.80	1473503.68	5347.8
KAFB-106113	SVMW	2/17/2011	1542004.44	1473062.37	5346.1
KAFB-106114	SVMW	3/11/2011	1541796.54	1473062.62	5344.9
KAFB-106115	SVMW	3/11/2011	1542375.07	1473055.21	5348.1
KAFB-106118	SVMW	3/11/2011	1541791.64	1473741.34	5345.9
KAFB-106119	SVMW	3/11/2011	1541613.24	1473520.21	5343.6
KAFB-106129	SVMW	3/11/2011	1542130.76	1473261.38	5348.5
KAFB-106130	SVMW	3/11/2011	1542131.27	1473566.26	5349.2
KAFB-106131	SVMW	3/11/2011	1541690.57	1472927.58	5344.6
KAFB-106132	SVMW	3/11/2011	1542804.14	1473591.72	5353.0
KAFB-106133	SVMW	3/11/2011	1542416.26	1473502.38	5352.0
KAFB-106134	SVMW	3/11/2011	1542371.22	1473810.70	5348.0
KAFB-106135	SVMW	2/17/2011	1542905.04	1474069.14	5351.4
KAFB-106137	SVMW	1/28/2011	1474077.74	1542321.48	5347.4
KAFB-106139	SVMW	1/26/2011	1474050.08	1541248.52	5341.6
KAFB-106140	SVMW	1/28/2011	1472633.13	1542236.98	5345.4

[a]Horizontal Coordinate System: NM_NAD83_ST_PL_Central_FIPS_3002_Feet.

[b]Elevation above mean sea level

[c]All well coordinates were taking on top of protective well casing

KAFB - Kirtland Air Force Base

NAD83 - North American Datum of 1983

GWMW - Groundwater Monitoring Well

SVMW - Soil-Vapor Monitoring Well

SVEW - Soil-Vapor Extraction Well

THIS PAGE INTENTIONALLY LEFT BLANK

Table 3-7. FFOR Sample Collection Summary

Borehole ID	Completion Date	X	Y	Depth (ft bgs)
DP001	6/18/2011	1541155.05	1473524.55	0 - 20
DP002	6/18/2011	1541155.10	1473519.63	0 - 20
DP003	6/18/2011	1541155.14	1473514.57	0 - 20
DP004	6/18/2011	1541165.08	1473524.60	0 - 20
DP005	6/18/2011	1541165.08	1473519.58	0 - 20
DP006	6/18/2011	1541165.14	1473514.58	0 - 20
DP007	6/19/2011	1541166.15	1473519.56	0 - 20
DP008	6/19/2011	1541171.09	1473524.58	0 - 20
DP009	6/19/2011	1541171.07	1473519.60	0 - 20
DP010	6/19/2011	1541171.12	1473514.60	0 - 20
DP011	6/19/2011	1541176.06	1473519.58	0 - 20
DP012	6/19/2011	1541185.09	1473524.62	0 - 20
DP013	6/19/2011	1541185.10	1473519.65	0 - 20
DP014	6/19/2011	1541185.13	1473514.67	0 - 20
DP015	6/20/2011	1541195.11	1473524.65	0 - 20
DP016	6/20/2011	1541195.02	1473519.59	0 - 20
DP017	6/20/2011	1541195.00	1473514.60	0 - 20
DP018	6/20/2011	1541205.01	1473524.69	0 - 20
DP019	6/20/2011	1541204.99	1473519.63	0 - 20
DP020	6/21/2011	1541205.08	1473514.63	0 - 20
DP021	6/21/2011	1541214.99	1473524.66	0 - 20
DP022	6/21/2011	1541215.07	1473519.68	0 - 20
DP023	6/21/2011	1541215.04	1473514.67	0 - 20
DP024	6/21/2011	1541225.03	1473523.69	0 - 20
DP025	6/21/2011	1541225.05	1473519.75	0 - 20
DP026	6/21/2011	1541225.06	1473514.77	0 - 20
DP027	6/21/2011	1541235.01	1473524.68	0 - 20
DP028	6/22/2011	1541235.03	1473519.78	0 - 20
DP029	6/22/2011	1541235.04	1473514.69	0 - 20
DP030	6/22/2011	1541245.04	1473524.75	0 - 20
DP031	6/22/2011	1541245.03	1473519.81	0 - 20
DP032	6/22/2011	1541245.07	1473514.77	0 - 20
DP033	6/22/2011	1541254.96	1473524.80	0 - 20
DP034	6/22/2011	1541255.00	1473519.80	0 - 20
DP035	6/22/2011	1541255.01	1473514.79	0 - 20
DP036	6/23/2011	1541265.02	1473524.87	0 - 20
DP037	6/23/2011	1541265.07	1473519.86	0 - 20
DP038	6/23/2011	1541265.04	1473514.80	0 - 20
DP039	6/23/2011	1541275.06	1473524.81	0 - 20
DP040	6/23/2011	1541275.05	1473519.83	0 - 20
DP041	6/24/2011	1541275.01	1473514.89	0 - 20
DP042	6/24/2011	1541284.95	1473524.87	0 - 20
DP043	6/24/2011	1541284.99	1473519.86	0 - 20
DP044	6/24/2011	1541284.99	1473514.86	0 - 20
DP045	6/24/2011	1541295.04	1473524.83	0 - 20
DP046	6/25/2011	1541295.09	1473519.82	0 - 20
DP047	6/25/2011	1541295.04	1473514.85	0 - 20
DP048	6/25/2011	1541300.01	1473519.86	0 - 20
DP049	6/25/2011	1541304.95	1473524.82	0 - 20
DP050	6/25/2011	1541305.04	1473519.88	0 - 20
DP051	6/27/2011	1541304.99	1473514.86	0 - 20
DP052	6/27/2011	1541310.05	1473519.87	0 - 20
DP053	6/27/2011	1541315.04	1473524.88	0 - 20

Table 3-7. FFOR Sample Collection Summary

Borehole ID	Completion Date	X	Y	Depth (ft bgs)
DP054	6/27/2011	1541315.11	1473519.86	0 - 20
DP055	6/27/2011	1541315.03	1473514.81	0 - 20
DP056	6/28/2011	1541325.09	1473524.90	0 - 20
DP057	6/28/2011	1541324.99	1473519.85	0 - 20
DP058	6/28/2011	1541325.02	1473514.84	0 - 20
DP059	6/28/2011	1541334.99	1473524.87	0 - 20
DP060	6/28/2011	1541334.96	1473519.92	0 - 20
DP061	6/29/2011	1541335.09	1473514.91	0 - 20
DP062	6/29/2011	1541345.08	1473524.88	0 - 20
DP063	6/29/2011	1541345.04	1473519.91	0 - 20
DP064	6/29/2011	1541345.02	1473514.93	0 - 20
DP065	6/29/2011	1541350.08	1473519.96	0 - 20
DP066	7/6/2011	1541355.04	1473524.94	0 - 20
DP067	7/6/2011	1541355.00	1473519.91	0 - 20
DP068	7/6/2011	1541355.06	1473515.00	0 - 20
DP069	7/6/2011	1541360.10	1473519.97	0 - 20
DP070	7/6/2011	1541365.00	1473524.96	0 - 20
DP071	7/7/2011	1541365.01	1473519.97	0 - 20
DP072	7/7/2011	1541365.00	1473514.94	0 - 20
DP073	7/7/2011	1541375.01	1473524.96	0 - 20
DP074	7/7/2011	1541375.01	1473519.95	0 - 20
DP075	7/7/2011	1541375.04	1473514.93	0 - 20
DP076	7/8/2011	1541385.07	1473525.03	0 - 20
DP077	7/8/2011	1541385.05	1473520.00	0 - 20
DP078	7/8/2011	1541385.04	1473515.00	0 - 20
DP079	7/8/2011	1541395.02	1473524.98	0 - 20
DP080	7/8/2011	1541395.04	1473520.02	0 - 20
DP081	7/9/2011	1541395.05	1473515.07	0 - 20
DP082	7/9/2011	1541404.98	1473525.05	0 - 20
DP083	7/9/2011	1541405.02	1473520.07	0 - 20
DP084	7/9/2011	1541405.08	1473515.05	0 - 20
DP085	7/9/2011	1541413.24	1473525.08	0 - 20
DP086	7/10/2011	1541413.26	1473520.06	0 - 20
DP087	7/10/2011	1541413.42	1473515.10	0 - 20
DP088	7/10/2011	1541423.32	1473525.24	0 - 20
DP089	7/10/2011	1541423.37	1473520.26	0 - 20
DP090	7/10/2011	1541428.38	1473520.28	0 - 20
DP091	7/10/2011	1541428.46	1473510.21	0 - 20
DP092	7/11/2011	1541423.44	1473510.17	0 - 20
DP093	7/11/2011	1541418.38	1473510.15	0 - 20
DP094	7/11/2011	1541428.56	1473500.24	0 - 20
DP095	7/11/2011	1541423.58	1473500.26	0 - 20
DP096	7/12/2011	1541418.47	1473500.20	0 - 20
DP097	7/12/2011	1541428.69	1473490.23	0 - 20
DP098	7/12/2011	1541423.72	1473490.17	0 - 20
DP099	7/12/2011	1541418.52	1473490.26	0 - 20
DP100	7/12/2011	1541428.69	1473480.25	0 - 20
DP101	7/13/2011	1541423.75	1473480.16	0 - 20
DP102	7/13/2011	1541418.69	1473480.26	0 - 20
DP103	7/13/2011	1541428.82	1473470.24	0 - 20
DP104	7/13/2011	1541423.88	1473470.21	0 - 20
DP105	7/13/2011	1541418.72	1473470.27	0-5[a]
DP106	7/14/2011	1541428.90	1473460.21	0 - 20

Table 3-7. FFOR Sample Collection Summary

Borehole ID	Completion Date	X	Y	Depth (ft bgs)
DP107	7/14/2011	1541423.88	1473460.21	0-5[a]
DP108	7/14/2011	1541418.89	1473460.05	0-5[a]
DP109	7/14/2011	1541429.02	1473450.25	0 - 20
DP110	7/14/2011	1541424.05	1473450.16	0 - 20
DP111	7/14/2011	1541418.96	1473450.14	0-5[a]
DP112	7/18/2011	1541429.13	1473440.24	0 - 20
DP113	7/18/2011	1541424.17	1473440.18	0 - 20
DP114	7/18/2011	1541419.11	1473440.18	0-5[a]
DP115	7/18/2011	1541429.24	1473429.29	0 - 20
DP116	7/18/2011	1541424.19	1473429.17	0 - 20
DP117	7/18/2011	1541419.23	1473429.09	0 - 20
DP118	7/18/2011	1541429.24	1473420.23	0 - 20
DP119	7/18/2011	1541424.28	1473420.22	0 - 20
DP120	7/19/2011	1541419.23	1473420.17	0 - 20
DP121	7/19/2011	1541429.35	1473410.22	0 - 20
DP122	7/19/2011	1541424.38	1473410.16	0 - 20
DP123	7/19/2011	1541419.36	1473410.12	0 - 20
DP124	7/19/2011	1541419.47	1473400.14	0 - 20
DP125	7/19/2011	1541419.50	1473390.17	0 - 20
DP126	7/19/2011	1541419.64	1473380.14	0 - 20
DP127	7/19/2011	1541424.40	1473400.18	0 - 20
DP128	7/20/2011	1541424.46	1473395.18	0 - 20
DP129	7/20/2011	1541424.51	1473390.24	0 - 20
DP130	7/20/2011	1541424.62	1473385.24	0 - 20
DP131	7/20/2011	1541424.58	1473380.16	0 - 20
DP157	8/17/2011	1541515.27	1473338.34	0 - 20
DP158	8/17/2011	1541501.03	1473321.84	0 - 20
DP159	8/17/2011	1541513.45	1473318.59	0 - 20
DP160	8/17/2011	1541500.89	1473309.01	0 - 20
DP161	8/17/2011	1541513.26	1473298.54	0 - 20
DP162	7/21/2011	1541512.06	1473118.65	0 - 20
DP163	8/16/2011	1541500.78	1473288.94	0 - 20
DP164	8/16/2011	1541513.17	1473278.64	0 - 20
DP165	8/16/2011	1541500.73	1473268.98	0 - 20
DP166	8/16/2011	1541512.91	1473258.58	0 - 20
DP167	8/16/2011	1541500.60	1473248.96	0 - 20
DP168	8/15/2011	1541512.87	1473238.63	0 - 20
DP169	8/15/2011	1541500.46	1473229.13	0 - 20
DP170	8/15/2011	1541512.81	1473218.68	0 - 20
DP171	8/15/2011	1541500.25	1473208.93	0 - 20
DP172	8/15/2011	1541512.61	1473198.51	0 - 20
DP173	8/12/2011	1541500.20	1473189.04	0 - 20
DP174	8/12/2011	1541512.53	1473178.65	0 - 20
DP175	8/12/2011	1541505.07	1473168.90	0 - 20
DP176	8/12/2011	1541512.43	1473158.57	0 - 20
DP177	8/11/2011	1541505.05	1473151.06	0 - 20
DP178	8/11/2011	1541512.22	1473138.49	0 - 20
DP179	8/11/2011	1541499.93	1473130.98	0 - 20
DP180	8/12/2011	1541499.78	1473111.00	0 - 20
DP181	7/20/2011	1541499.55	1473091.07	0 - 20
DP182	7/20/2011	1541511.91	1473078.60	0 - 20
DP183	7/20/2011	1541499.54	1473071.00	0 - 20
DP184	6/18/2011	1541513.35	1473055.52	0 - 20

Table 3-7. FFOR Sample Collection Summary

Borehole ID	Completion Date	X	Y	Depth (ft bgs)
DP185	6/18/2011	1541499.39	1473051.08	0 - 20
DP186	6/17/2011	1541506.09	1473044.26	0 - 20
DP187	6/17/2011	1541525.29	1473043.98	0 - 20
DP188	6/17/2011	1541533.22	1473055.19	0 - 20
DP189	6/17/2011	1541545.32	1473043.67	0 - 20
DP190	6/17/2011	1541553.17	1473055.00	0 - 20
DP191	6/17/2011	1541565.32	1473043.53	0 - 20
DP192	6/17/2011	1541573.19	1473054.89	0 - 20
DP193	6/17/2011	1541585.37	1473043.43	0 - 20
DP194	6/16/2011	1541593.25	1473054.62	0 - 20
DP195	6/16/2011	1541605.37	1473043.32	0 - 20
DP196	6/16/2011	1541613.16	1473054.52	0 - 20
DP197	6/16/2011	1541625.28	1473043.11	0 - 20
DP198	6/16/2011	1541633.16	1473054.20	0 - 20
DP199	6/9/2011	1541645.25	1473042.84	0 - 20
DP200	6/9/2011	1541653.15	1473053.97	0 - 20
DP201	6/9/2011	1541665.28	1473042.79	0 - 20
DP202	6/9/2011	1541672.11	1473053.77	0 - 20
DP203	6/9/2011	1541685.31	1473042.52	0 - 20
DP204	6/8/2011	1541693.17	1473053.54	0 - 20
DP205	6/8/2011	1541705.28	1473042.31	0 - 20
DP206	6/8/2011	1541713.12	1473053.56	0 - 20
DP207	6/8/2011	1541725.30	1473042.23	0 - 20
DP208	6/8/2011	1541733.10	1473053.23	0 - 20
DP209	6/8/2011	1541745.31	1473042.03	0 - 20
DP210	6/7/2011	1541753.14	1473052.91	0 - 20
DP211	6/7/2011	1541765.28	1473041.86	0 - 20
DP212	6/7/2011	1541773.00	1473052.78	0 - 20
DP213	6/7/2011	1541785.23	1473041.67	0 - 20
DP214	6/7/2011	1541793.11	1473052.53	0 - 20
DP215	6/7/2011	1541805.23	1473041.50	0 - 20
DP216	6/7/2011	1541813.19	1473052.42	0 - 20
DP217	6/7/2011	1541825.26	1473041.29	0 - 20
DP218	6/6/2011	1541833.14	1473052.16	0 - 20
DP219	6/6/2011	1541845.30	1473041.18	0 - 20
DP220	6/6/2011	1541853.11	1473052.01	0 - 20
DP221	6/6/2011	1541865.27	1473040.92	0 - 20
DP222	6/6/2011	1541873.10	1473051.78	0 - 20
DP223	6/5/2011	1541885.25	1473040.76	0 - 20
DP224	6/5/2011	1541893.16	1473051.53	0 - 20
DP225	6/5/2011	1541905.29	1473040.54	0 - 20
DP226	6/5/2011	1541913.10	1473051.30	0 - 20
DP227	6/5/2011	1541925.18	1473040.40	0 - 20
DP228	6/5/2011	1541933.06	1473051.12	0 - 20
DP229	6/5/2011	1541945.15	1473040.21	0 - 20
DP230	6/5/2011	1541953.12	1473050.89	0 - 20
DP231	6/4/2011	1541965.20	1473039.98	0 - 20
DP232	6/4/2011	1541973.04	1473050.79	0 - 20
DP233	6/4/2011	1541985.20	1473039.86	0 - 20
DP234	6/4/2011	1541992.98	1473046.50	0 - 20
DP235	6/4/2011	1542005.19	1473039.63	0 - 20
DP236	6/4/2011	1542013.02	1473050.32	0 - 20
DP237	6/4/2011	1542033.00	1473050.09	0 - 20

Table 3-7. FFOR Sample Collection Summary

Borehole ID	Completion Date	X	Y	Depth (ft bgs)
DP238	6/4/2011	1542053.06	1473049.87	0 - 20
DP239	6/3/2011	1542072.99	1473049.62	0 - 20
DP240	6/3/2011	1542093.02	1473049.46	0 - 20
DP241	6/3/2011	1542113.04	1473049.18	0 - 20
DP242	6/3/2011	1542132.98	1473048.92	0 - 20
DP243	6/3/2011	1542152.99	1473048.79	0 - 20
DP244	6/3/2011	1542173.01	1473048.60	0 - 20
DP245	6/3/2011	1542193.04	1473048.38	0 - 20
DP246	6/3/2011	1542212.93	1473048.10	0 - 20
DP247	6/2/2011	1542233.00	1473047.93	0 - 20
DP248	6/2/2011	1542252.95	1473047.72	0 - 20
DP249	6/2/2011	1542272.96	1473046.46	0 - 20
DP250	6/2/2011	1542292.90	1473046.35	0 - 20
DP251	6/2/2011	1542312.92	1473046.08	0 - 20
DP252	6/2/2011	1542332.87	1473045.85	0 - 20
DP253	6/2/2011	1542352.92	1473045.62	0 - 20
DP254	6/2/2011	1542372.96	1473045.54	0 - 20
DP255	8/1/2011	1542379.65	1473020.52	0 - 20
DP256	8/2/2011	1542369.71	1473020.56	0 - 20
DP257	8/2/2011	1542379.53	1473000.56	0 - 20
DP258	8/2/2011	1542369.47	1473000.53	0 - 20
DP259	8/2/2011	1542379.36	1472980.51	0 - 20
DP260	8/2/2011	1542369.25	1472980.52	0 - 20
DP261	8/9/2011	1542379.01	1472960.50	0 - 20
DP262	8/9/2011	1542369.10	1472960.57	0 - 20
DP263	8/9/2011	1542378.93	1472940.56	0 - 20
DP264	8/9/2011	1542368.83	1472940.57	0 - 20
DP265	8/9/2011	1542378.67	1472920.53	0 - 20
DP266	8/9/2011	1542368.66	1472920.54	0 - 20
DP267	8/9/2011	1542378.55	1472900.52	0 - 20
DP268	8/9/2011	1542368.41	1472900.61	0 - 20
DP269	8/10/2011	1542378.26	1472880.50	0 - 20
DP270	8/10/2011	1542368.28	1472880.62	0 - 20
DP271	8/10/2011	1542378.02	1472860.51	0 - 20
DP272	8/10/2011	1542368.08	1472860.55	0 - 20
DP273	8/10/2011	1542377.83	1472840.53	0 - 20
DP274	8/10/2011	1542367.89	1472840.54	0 - 20
DP275	8/10/2011	1542377.62	1472820.50	0 - 20
DP276	8/10/2011	1542367.67	1472820.60	0 - 20
DP277	8/11/2011	1542377.36	1472800.49	0 - 20
DP278	8/11/2011	1542367.39	1472800.52	0 - 20
DP279	8/1/2011	1542372.90	1473037.58	0 - 20
DP280	8/1/2011	1542352.97	1473037.85	0 - 20
DP281	8/1/2011	1542332.92	1473038.02	0 - 20
DP282	8/1/2011	1542312.92	1473038.17	0 - 20
DP283	8/1/2011	1542292.95	1473038.50	0 - 20
DP284	8/1/2011	1542272.92	1473038.65	0 - 20
DP285	7/29/2011	1542252.83	1473038.81	0 - 20
DP286	7/29/2011	1542232.94	1473039.04	0 - 20
DP287	7/29/2011	1542212.87	1473039.24	0 - 20
DP288	7/29/2011	1542192.92	1473039.51	0 - 20
DP289	7/29/2011	1542172.88	1473039.62	0 - 20
DP290	7/28/2011	1542152.89	1473039.90	0 - 20

Table 3-7. FFOR Sample Collection Summary

Borehole ID	Completion Date	X	Y	Depth (ft bgs)
DP291	7/28/2011	1542132.96	1473040.00	0 - 20
DP292	7/28/2011	1542112.93	1473040.27	0 - 20
DP293	7/28/2011	1542092.92	1473040.41	0 - 20
DP294	7/28/2011	1542072.92	1473040.71	0 - 20
DP295	7/28/2011	1542053.01	1473040.93	0 - 20
DP296	7/28/2011	1542032.93	1473041.06	0 - 20
DP297	7/28/2011	1542012.95	1473041.33	0 - 20
DP298	7/21/2011	1542012.16	1473019.52	0 - 20
DP299	7/21/2011	1542002.18	1473019.66	0 - 20
DP300	7/21/2011	1542011.93	1472999.55	0 - 20
DP301	7/21/2011	1542001.94	1472999.59	0 - 20
DP302	7/26/2011	1542011.66	1472979.48	0 - 20
DP303	7/26/2011	1542001.73	1472979.60	0 - 20
DP304	7/26/2011	1542011.43	1472959.51	0 - 20
DP305	7/26/2011	1542001.42	1472959.57	0 - 20
DP306	7/26/2011	1542011.21	1472939.54	0 - 20
DP307	7/26/2011	1542001.18	1472939.63	0 - 20
DP308	7/26/2011	1542010.99	1472919.45	0 - 20
DP309	7/26/2011	1542000.94	1472919.66	0 - 20
DP310	7/27/2011	1542010.74	1472899.54	0 - 20
DP311	7/27/2011	1542000.74	1472899.59	0 - 20
DP312	7/27/2011	1542010.62	1472879.49	0 - 20
DP313	7/27/2011	1542000.56	1472879.61	0 - 20
DP314	7/27/2011	1542010.28	1472859.48	0 - 20
DP315	7/27/2011	1542000.33	1472859.60	0 - 20
DP316	7/27/2011	1542010.06	1472839.55	0 - 20
DP317	7/27/2011	1542000.15	1472839.50	0 - 20
DP319	7/21/2011	1541512.13	1473098.67	0 - 20

[a]Boreholes were not completed due to refusal at abandoned concrete sleeve. Boreholes will be fully advanced to 20 ft at a later date.

Table 3-8
Installation of Bennett Pump Sampling Systems
January 2011 - March 2012

Monitoring Well	New Bennett Pump Sampling System Installed
Quarter 04 Report 2011	
KAFB-106035	24-Oct-11
KAFB-106036	24-Oct-11
KAFB-106037	24-Oct-11
KAFB-106091	25-Oct-11
KAFB-106092	25-Oct-11
KAFB-106093	25-Oct-11
KAFB-106085	26-Oct-11
KAFB-106086	26-Oct-11
KAFB-106087	26-Oct-11
KAFB-106038	28-Oct-11
KAFB-106039	28-Oct-11
KAFB-106040	28-Oct-11
KAFB-106103	20-Dec-11
KAFB-106104	20-Dec-11
KAFB-106088	21-Dec-11
KAFB-106089	21-Dec-11
KAFB-106090	21-Dec-11
KAFB-106052	22-Dec-11
KAFB-106053	22-Dec-11
KAFB-106054	22-Dec-11
Quarter 03 Report 2011	
KAFB-106076	25-Jul-11
KAFB-106083	25-Jul-11
KAFB-106084	25-Jul-11
KAFB-106082	26-Jul-11
KAFB-106042	17-Aug-11
KAFB-106067	17-Aug-11
KAFB-106069	17-Aug-11
KAFB-106068	18-Aug-11
KAFB-106099	18-Aug-11
KAFB-106100	18-Aug-11
KAFB-106073	19-Aug-11
KAFB-106074	19-Aug-11
KAFB-106075	19-Aug-11
KAFB-106049	22-Aug-11
KAFB-106050	22-Aug-11
KAFB-106051	22-Aug-11
KAFB-106070	23-Aug-11
KAFB-106071	23-Aug-11
KAFB-106072	23-Aug-11
KAFB-106097	24-Aug-11
KAFB-106098	24-Aug-11
KAFB-106043	29-Aug-11
KAFB-106065	29-Aug-11
KAFB-106066	29-Aug-11
Quarter 02 Report 2011	
KAFB-10621	20-Apr-11
KAFB-10628	20-Apr-11
KAFB-10625	21-Apr-11
KAFB-10626	21-Apr-11
KAFB-106044	28-Apr-11

Table 3-8
Installation of Bennett Pump Sampling Systems
January 2011 - March 2012

Monitoring Well	New Bennett Pump Sampling System Installed
KAFB-106045	28-Apr-11
KAFB-10610	24-May-11
KAFB-10622	24-May-11
KAFB-10623	24-May-11
KAFB-10624	25-May-11
KAFB-106077	23-Jun-11
KAFB-106078	23-Jun-11
KAFB-106101	24-Jun-11
KAFB-106102	24-Jun-11
KAFB-106059	27-Jun-11
KAFB-106060	27-Jun-11
KAFB-106061	27-Jun-11
Quarter 01 Report 2011	
KAFB-1061	18-Jan-11
KAFB-1062	22-Jan-11
KAFB-1063	22-Jan-11
KAFB-1064	22-Jan-11
KAFB-1067	21-Jan-11
KAFB-10611	20-Jan-11
KAFB-10612	21-Jan-11
KAFB-10615	21-Jan-11
KAFB-10616	19-Jan-11
KAFB-3411	19-Jan-11

Table 3-9. Summary of SVE ROI Tests Completed

Test name	Test type	Extraction Well	Monitoring Wells (all depths)	Horizontal Distance From Test Well (ft)	Test Dates
SWTKAFB106121-450	Single Well Test	KAFB-106121-450	KAFB-106121	0	11/2/2011
SWTSVEW-01	Single Well Test	SVEW-01	SVEW-02/03	10	11/14/2011
			SVEW-04/05	12	
			SVEW-06/07	187	
			SVEW-08/09	195	
SWTSVEW-05	Single Well Test	SVEW-05	SVEW-01	12	11/15/2011
			SVEW-02/03	21	
			SVEW-04	0	
			SVEW-06/07	176	
			SVEW-08/09	183	
SWTKAFB106117-450	Single Well Test	KAFB-106117-450	KAFB-106117	0	11/16/2011
SWTKAFB106149-484	Single Well Test	KAFB-106149-484	KAFB-106149	0	11/17/2011
5DTKAFB106121-450	Five-Day Test	KAFB-106121-450	KAFB-106121	0	11/7/11 - 11/11/11
			KAFB-106120	95	
			KAFB-106122	75	
			KAFB-106123	61	
			KAFB-106113	261	
			KAFB-106114	362	
			KAFB-106131	381	
5DTSVEW-05	Five-Day Test	SVEW-05	SVEW-02/03	21	11/28/11 - 12/2/11
			SVEW-04/05	0	
			SVMW-02	131	
			SVMW-03	112	
			SVMW-04	156	
			SVMW-08	139	
			SVMW-09	90	
			SVMW-10	40	
			SVMW-11	51	
			KAFB-106148	96	
			KAFB-106119	203	
			SVEW-06/07	176	
			SVEW-08/09	183	
			KAFB-106121	964	
5DTKAFB106149-484	Five-Day Test	KAFB 106149-484	KAFB-106111	429	12/12/11 - 12/16/11
			KAFB-106112	221	
			KAFB-106113	401	
			KAFB-106114	317	
			KAFB-106116	161	
			KAFB-106117	29	
			KAFB-106119	201	
			KAFB-106121	643	
			KAFB-106128	205	
			KAFB-106129	393	
			KAFB-106149	0	
			SVMW-03	266	
			SVMW-15	227	

ft - feet
KAFB - Kirtland Air Force Base
ROI - Radius of Influence
SVE - Soil-vapor extraction
SVEW - Soil-vapor extraction well
SVMW - Soil-vapor monitoring well

THIS PAGE INTENTIONALLY LEFT BLANK

Table 3-10. Monitoring Wells Used in the Analysis of Each Five-Day ROI Test

Test Name	Well ID	Distance from Extraction Well (ft)
5DTKAFB106149-484	KAFB 106117-450	29
	KAFB 106116-450	161
	KAFB 106119-450	201
	KAFB 106128-450	205
	KAFB 106112-450	221
	SVMW-15	227
	KAFB 106114-450	317
	KAFB 106129-450	393
	KAFB 106113-450	402
	KAFB 106111-450	429
	KAFB 106121-450	643
5DTKAFB106121-450	KAFB-106123-450	61
	KAFB-106122-450	75
	KAFB-106120-450	95
	KAFB-106113-450	261
	KAFB-106114-450	362
	KAFB-106131-450	381
5DTSVEW-05	KAFB-106148-484	96
	SVEW-09	183
	KAFB-106119-450	203
	KAFB-106121-450	964

ft - foot/feet

ID - Identification

KAFB - Kirtland Air Force Base

ROI - Radius of influence

SVEW - Soil-vapor extraction well

SVMW - Soil-vapor monitoring well

THIS PAGE INTENTIONALLY LEFT BLANK

Table 3-11. Summary of Data for ROI Test 5DTKAFB106149-484

Well ID	Distance from KAFB 106149	Monitoring Round											Proportion of Monitoring Rounds with a Greater than Average Difference in Pressures	Proportion of Monitoring Days with a Greater than Average Difference in Pressures
		1	2	3	4	5	6	7	8	9	10	11		
		Day 1					Day 2		Day 3		Day 4	Day 5		
KAFB 106117-450	29	x	x	x	x	x	x	x	x	x	x	x	1.00	1.00
KAFB 106116-450	161	x	x	x	x	x	x	x	x	x	x	x	1.00	1.00
KAFB 106119-450	201	x	-	x	x	-	x	x	x	x	x	x	0.82	1.00
KAFB 106128-450	205	x	x	x	-	-	-	x	x	x	x	x	0.73	0.90
KAFB 106112-450	221	x	-	-	x	-	x	-	x	x	-	x	0.55	0.50
SVMW-15	227	x	x	x	x	x	x	x	x	x	x	-	0.91	0.70
KAFB 106114-450	317	x	x	x	x	x	-	-	-	-	-	-	0.45	0.20
KAFB 106129-450	393	-	-	-	-	x	x	-	-	-	-	-	0.18	0.10
KAFB 106113-450	402	-	-	-	-	-	-	-	-	-	-	-	0.00	0.00
KAFB 106111-450	429	-	-	-	-	-	-	-	-	-	-	-	0.00	0.00

x = greater than average difference in pressures

- = less than average difference in pressures

ID - Identification

KAFB - Kirtland Air Force Base

ROI - Radius of influence

SVMW - Soil-vapor monitoring well

THIS PAGE INTENTIONALLY LEFT BLANK

Table 3-12. Summary of Data for ROI Test 5DTKAFB106121-450

Well ID	Distance from KAFB 160121	Monitoring Round													Proportion of Monitoring Rounds with a Greater than Average Difference in Pressures	Proportion of Monitoring Days with a Greater than Average Difference in Pressures
		1	2	3	4	5	6	7	8	9	10	11	12	13		
		Day 1							Day 2		Day 3		Day 4	Day 5		
KAFB 106123	61	x	x	x	x	x	x	x	x	x	x	x	x	x	1.00	1.00
KAFB 106122	75	x	x	x	x	x	x	x	x	x	x	x	x	x	1.00	1.00
KAFB 106120	95	-	-	-	-	-	-	-	-	-	-	-	-	x	0.08	0.20
KAFB 106113	261	-	-	-	-	-	-	x	-	-	-	-	-	-	0.08	0.00
KAFB 106114	362	x	x	x	-	-	x	-	-	-	x	-	-	-	0.38	0.30

x = greater than average difference in pressures

- = less than average difference in pressures

ID - Identification

KAFB - Kirtland Air Force Base

ROI - Radius of influence

THIS PAGE INTENTIONALLY LEFT BLANK

Table 3-13. Summary of Data for ROI Test 5DTSVEW-05

Well ID	Horizontal distance from SVEW-05	Monitoring Round/Day					Proportion of Monitoring Rounds/Days with a Greater than Average Difference in Pressures
		1	2	3	4	5	
KAFB-106148-484	96	x	-	-	-	-	1
SVEW-09	183	x	-	-	x	x	2.00
KAFB-106119-450	203	-	x	x	-	x	3

x = greater than average difference in pressures

- = less than average difference in pressures

ID - Identification

KAFB - Kirtland Air Force Base

ROI - Radius of influence

SVEW - Soil-vapor extraction well

THIS PAGE INTENTIONALLY LEFT BLANK

Table 4-1
Field Measurements for Soil-Vapor Monitoring Wells, January - March 2012

Sample Location	Date	Sample Number	Sample Purpose	Static Pressure (In. H_2O)	CO (%)	CO_2 (%)	O_2 (%)	HC (ppmv)	Instantaneous HC (ppmV)	9X Sample Dilution HC (ppmV)	Volume Purged (ft^3)	Purge Rate (cfm)
SVMW-01-050	1/10/2012	VA1002	REG	0.30	0.00	0.18	20.60	12	NA	NA	6.0	1.0
SVMW-01-100	1/10/2012	VA1004	REG	0.10	0.00	5.34	14.68	2960	NA	NA	6.0	1.0
SVMW-01-250	1/10/2012	VA1005	REG	0.70	0.00	0.40	20.15	21	NA	NA	8.0	1.0
SVMW-01-250	1/20/2012	VA1005R	REG	0.80	0.00	0.74	19.72	10	NA	NA	8.0	1.0
SVMW-01-300	1/10/2012	VA1006	REG	0.40	0.00	0.48	20.74	298	NA	NA	8.0	1.0
SVMW-02-050	3/14/2012	VA1007	REG	0.22	0.00	5.00	14.36	119	NA	NA	6.0	1.0
SVMW-02-100	3/14/2012	VA1008	REG	0.22	0.00	6.96	11.54	9350	NA	NA	6.0	1.0
SVMW-02-150	3/14/2012	VA1009	REG	-0.11	0.00	1.04	17.82	577	NA	NA	6.0	1.0
SVMW-03-050	3/5/2012	VA1010	REG	-0.03	0.00	7.48	9.29	4450	NA	NA	5.0	1.0
SVMW-03-100	3/5/2012	VA1011	REG	0.11	0.00	8.08	9.45	6070	NA	NA	6.0	1.0
SVMW-03-250	3/5/2012	VA1012	REG	0.16	0.00	4.98	12.57	9760	NA	NA	8.0	1.0
SVMW-03-300	3/5/2012	VA1013	REG	0.29	0.00	2.98	15.29	4250	NA	NA	10.0	1.0
SVMW-04-050	3/13/2012	VA1014	REG	-0.08	0.00	10.24	6.91	1121	NA	NA	6.0	1.0
SVMW-04-100	3/13/2012	VA1015	REG	-0.06	0.00	11.58	5.63	13095	16970	13095	6.0	1.0
SVMW-04-250	3/13/2012	VA1017	REG	-0.44	0.00	1.04	18.39	2790	NA	NA	8.0	1.0
SVMW-04-300	3/13/2012	VA1018	REG	-0.52	0.00	0.82	19.62	332	NA	NA	10.0	1.0
SVMW-05-050	3/14/2012	VA1019	REG	0.04	0.00	3.36	16.60	9	NA	NA	6.0	1.0
SVMW-05-100	3/14/2012	VA1020	REG	0.03	0.00	4.76	15.88	129	NA	NA	6.0	1.0
SVMW-05-230	3/14/2012	VA1021	REG	-0.71	0.00	0.44	19.61	14	NA	NA	8.0	1.0
SVMW-05-290	3/14/2012	VA1022	REG	-0.73	0.00	0.62	19.18	71	NA	NA	9.0	1.0
SVMW-06-050	1/10/2012	VA1023	REG	0.00	0.00	3.02	18.72	8	NA	NA	6.0	1.0
SVMW-06-100	1/10/2012	VA1024	REG	0.00	0.00	3.14	17.38	2	NA	NA	6.0	1.0
SVMW-06-252	1/10/2012	VA1025	REG	0.00	0.00	1.72	15.33	6870	NA	NA	8.0	1.0
SVMW-06-302	1/10/2012	VA1026	REG	0.00	0.00	0.57	19.45	1758	NA	NA	8.0	1.0
SVMW-06-302	1/20/2012	VA1026R	REG	0.30	0.00	0.98	17.44	2989	NA	NA	10.0	1.0
SVMW-07-050	3/19/2012	VA1027	REG	2.40	0.00	1.02	17.90	45	NA	NA	6.0	1.0
SVMW-07-100	3/19/2012	VA1028	REG	0.26	0.00	6.22	12.91	1343	NA	NA	6.0	1.0
SVMW-07-150	3/19/2012	VA1030	REG	0.26	0.00	5.56	13.94	14	NA	NA	6.0	1.0
SVMW-08-050	3/14/2012	VA1031	REG	-0.24	0.00	14.20	4.87	9351	13620	9351	6.0	1.0
SVMW-08-100	3/14/2012	VA1032	REG	-0.14	0.00	14.24	1.00	320	NA	NA	6.0	1.0
SVMW-08-250	3/14/2012	VA1033	REG	-0.72	0.00	1.62	16.09	5640	NA	NA	8.0	1.0
*SVMW-08-266	3/14/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SVMW-09-050	3/5/2012	VA1035	REG	-0.24	0.00	12.80	3.01	4330	NA	NA	6.0	1.0
SVMW-09-100	3/5/2012	VA1036	REG	-0.32	0.00	13.84	10.51	21960	26270	21960	6.0	1.0
SVMW-09-250	3/5/2012	VA1037	REG	-1.50	0.00	2.26	14.99	7720	NA	NA	8.0	1.0
SVMW-09-266	3/5/2012	VA1039	REG	-1.50	0.00	2.80	15.16	13518	16230	13518	8.0	1.0
SVMW-10-050	3/14/2012	VA1040	REG	0.00	0.00	13.68	2.33	25920	29110	25920	6.0	1.0
SVMW-10-100	3/14/2012	VA1041	REG	0.00	0.00	14.42	1.58	28980	32760	28980	6.0	1.0
SVMW-10-150	3/14/2012	VA1042	REG	-0.42	0.00	6.88	8.99	21420	26290	21420	8.0	1.0
SVMW-10-250	3/14/2012	VA1043	REG	-0.42	0.00	2.56	14.54	5420	NA	NA	8.0	1.0

Table 4-1
Field Measurements for Soil-Vapor Monitoring Wells, January - March 2012

Sample Location	Date	Sample Number	Sample Purpose	Static Pressure (In. H_2O)	CO (%)	CO_2 (%)	O_2 (%)	HC (ppmv)	Instantaneous HC (ppmV)	9X Sample Dilution HC (ppmV)	Volume Purged (ft^3)	Purge Rate (cfm)
SVMW-11-050	3/22/2012	VA1044	REG	-0.17	0.00	9.96	7.45	10953	12290	10953	5.0	1.0
SVMW-11-100	3/22/2012	VA1045	REG	-0.30	0.00	9.26	7.85	26190	26078	26190	6.0	1.0
SVMW-11-250	3/22/2012	VA1046	REG	-0.74	0.00	7.78	7.50	19314	21946	19314	8.0	1.0
SVMW-11-260	3/22/2012	VA1047	REG	-0.51	0.00	7.32	7.68	20520	23990	20520	8.0	1.0
SVMW-12-150	3/5/2012	VA1048	REG	-0.43	0.00	0.16	19.70	147	NA	NA	6.0	1.0
SVMW-12-250	3/5/2012	VA1049	REG	-0.52	0.00	0.28	19.79	255	NA	NA	8.0	1.0
SVMW-12-350	3/5/2012	VA1051	REG	-0.76	0.00	0.94	17.68	146	NA	NA	10.0	1.0
SVMW-12-450	3/5/2012	VA1052	REG	-0.62	0.00	0.24	19.89	306	NA	NA	10.0	1.0
SVMW-13-150	3/22/2012	VA1053	REG	-0.12	0.00	3.76	10.78	9378	13350	9378	7.0	1.0
SVMW-13-250	3/22/2012	VA1054	REG	-0.26	0.00	0.84	17.30	115	NA	NA	8.0	1.0
SVMW-13-350	3/22/2012	VA1055	REG	-0.26	0.00	1.68	16.52	216	NA	NA	9.0	1.0
SVMW-13-450	3/22/2012	VA1056	REG	-0.20	0.00	0.70	17.33	946	NA	NA	11.0	1.0
SVMW-14-150	3/6/2012	VA1057	REG	0.90	0.00	0.24	19.50	16	NA	NA	6.0	1.0
SVMW-14-250	3/6/2012	VA1058	REG	1.40	0.00	0.22	19.31	14	NA	NA	8.0	1.0
SVMW-14-350	3/6/2012	VA1059	REG	1.20	0.00	0.14	19.60	25	NA	NA	10.0	1.0
SVMW-14-450	3/6/2012	VA1060	REG	1.00	0.00	2.26	11.66	92	NA	NA	10.0	1.0
SVMW-15-150	1/12/2012	VA1062	REG	-0.10	0.00	0.28	19.62	2	NA	NA	8.0	1.0
SVMW-15-250	1/12/2012	VA1063	REG	-0.05	0.00	0.66	18.24	98	NA	NA	8.0	1.0
SVMW-15-350	1/12/2012	VA1064	REG	0.00	0.00	1.46	15.46	10476	12010	10476	10.0	1.0
SVMW-15-450	1/12/2012	VA1065	REG	-0.16	0.00	2.34	16.62	19800	22960	19800	10.0	1.0
KAFB-106028-150	3/21/2012	VA1066	REG	-0.69	0.00	0.06	20.09	3	NA	NA	9.0	1.0
KAFB-106028-250	3/21/2012	VA1067	REG	-0.74	0.00	0.12	21.08	3	NA	NA	12.0	1.0
KAFB-106028-350	3/21/2012	VA1068	REG	-0.61	0.00	0.22	20.70	71	NA	NA	15.0	1.0
KAFB-106028-450	3/21/2012	VA1069	REG	-0.63	0.00	0.40	20.94	583	NA	NA	18.0	1.0
SVEW-01-260	3/21/2012	VA1070	REG	-0.76	0.00	6.54	9.45	8919	10000	8919	NA	NA
SVEW-02-060	3/21/2012	VA1071	REG	-0.16	0.00	14.40	1.38	14265	17040	14265	NA	NA
SVEW-03-160	3/21/2012	VA1073	REG	-0.90	0.00	10.41	5.41	9279	13420	9279	NA	NA
SVEW-04-313	3/21/2012	VA1074	REG	-0.70	0.00	1.16	16.56	4790	NA	NA	NA	NA
SVEW-05-460	3/21/2012	VA1075	REG	-0.60	0.00	2.84	13.63	1655	NA	NA	NA	NA
SVEW-06-060	3/21/2012	VA1076	REG	-0.14	0.00	10.48	5.42	4010	NA	NA	NA	NA
SVEW-07-160	3/21/2012	VA1077	REG	-0.88	0.00	3.70	13.32	9900	12830	9900	NA	NA
SVEW-08-260	3/21/2012	VA1078	REG	-0.70	0.00	2.68	11.61	878	NA	NA	NA	NA
SVEW-09-460	3/21/2012	VA1079	REG	-0.68	0.00	2.38	12.51	919	NA	NA	NA	NA
SVEW-10-410	3/6/2012	VA1080	REG	0.30	0.00	0.08	21.22	172	NA	NA	120.0	12.0
SVEW-11-410	3/22/2012	VA1081	REG	0.00	0.00	0.58	17.36	1067	NA	NA	108.0	12.0
SVEW-12-410	3/7/2012	VA1082	REG	0.08	0.00	0.20	19.20	212	NA	NA	108.0	12.0
SVEW-13-410	1/12/2012	VA1083	REG	0.00	0.00	0.10	20.70	335	NA	NA	120.0	12.0
KAFB-106108-025	3/13/2012	VA1084	REG	-0.02	0.00	0.46	20.47	3	NA	NA	18.0	1.5
KAFB-106108-050	3/13/2012	VA1085	REG	-0.13	0.00	3.00	17.45	5	NA	NA	18.0	1.5
KAFB-106108-150	3/13/2012	VA1087	REG	-0.61	0.00	1.96	17.91	59	NA	NA	21.0	1.5

Table 4-1
Field Measurements for Soil-Vapor Monitoring Wells, January - March 2012

Sample Location	Date	Sample Number	Sample Purpose	Static Pressure (In. H_2O)	CO (%)	CO_2 (%)	O_2 (%)	HC (ppmv)	Instantaneous HC (ppmV)	9X Sample Dilution HC (ppmV)	Volume Purged (ft^3)	Purge Rate (cfm)
KAFB-106108-250	3/13/2012	VA1088	REG	-0.61	0.00	0.42	20.07	264	NA	NA	24.0	1.5
KAFB-106108-350	3/13/2012	VA1089	REG	-0.61	0.00	0.28	19.42	783	NA	NA	28.5	1.5
KAFB-106108-450	3/14/2012	VA1090	REG	-0.75	0.00	0.44	19.17	184	NA	NA	240.0	12.0
KAFB-106109-025	3/15/2012	VA1091	REG	-0.05	0.00	0.42	20.38	2	NA	NA	18.0	1.5
KAFB-106109-050	3/15/2012	VA1092	REG	-0.42	0.00	0.76	19.77	7	NA	NA	18.0	1.5
KAFB-106109-150	3/15/2012	VA1093	REG	-1.35	0.00	0.14	19.91	3	NA	NA	21.0	1.5
KAFB-106109-250	3/15/2012	VA1094	REG	-1.38	0.00	0.38	20.16	17	NA	NA	24.0	1.5
KAFB-106109-350	3/15/2012	VA1096	REG	-1.40	0.00	0.12	19.76	5	NA	NA	28.5	1.5
KAFB-106109-450	3/15/2012	VA1097	REG	-1.02	0.00	1.48	14.36	41	NA	NA	240.0	12.0
KAFB-106110-025	3/19/2012	VA1098	REG	-0.07	0.00	0.66	20.12	3	NA	NA	18.0	1.5
KAFB-106110-050	3/19/2012	VA1099	REG	-0.06	0.00	0.74	19.96	2	NA	NA	18.0	1.5
KAFB-106110-150	3/19/2012	VA1100	REG	2.41	0.00	0.24	20.68	8	NA	NA	21.0	1.5
KAFB-106110-250	3/19/2012	VA1101	REG	2.49	0.00	0.22	20.89	11	NA	NA	24.0	1.5
KAFB-106110-350	3/19/2012	VA1102	REG	2.90	0.00	0.12	20.51	72	NA	NA	28.5	1.5
KAFB-106110-450	3/19/2012	VA1103	REG	3.10	0.00	0.40	19.89	281	NA	NA	240.0	12.0
KAFB-106111-025	3/15/2012	VA1104	REG	0.00	0.00	0.74	20.71	61	NA	NA	18.0	1.5
KAFB-106111-050	3/15/2012	VA1105	REG	-0.22	0.00	2.70	17.31	22	NA	NA	18.0	1.5
KAFB-106111-150	3/15/2012	VA1107	REG	-1.00	0.00	2.06	17.29	34	NA	NA	22.5	1.5
KAFB-106111-250	3/15/2012	VA1108	REG	-1.00	0.00	0.98	19.02	155	NA	NA	27.0	1.5
KAFB-106111-350	3/19/2012	VA1109	REG	2.20	0.00	0.26	17.52	584	NA	NA	27.0	1.5
KAFB-106111-450	3/19/2012	VA1110	REG	2.60	0.00	3.38	8.73	4200	NA	NA	240.0	12.0
KAFB-106112-025	1/12/2012	VA1111	REG	0.00	0.00	0.44	20.26	10	NA	NA	18.0	1.5
KAFB-106112-050	1/12/2012	VA1112	REG	0.00	0.00	0.86	17.79	12	NA	NA	22.5	1.5
KAFB-106112-150	1/12/2012	VA1113	REG	NR	0.00	0.78	17.21	29	NA	NA	22.5	1.5
KAFB-106112-250	1/12/2012	VA1114	REG	0.06	0.00	1.26	16.35	6290	NA	NA	27.0	1.5
KAFB-106112-350	1/12/2012	VA1115	REG	0.00	0.00	0.86	17.87	5980	NA	NA	27.0	1.5
KAFB-106112-450	1/12/2012	VA1116	REG	-0.26	0.00	1.34	17.74	8271	10460	8271	240.0	12.0
KAFB-106113-020	1/19/2012	VA1117	REG	-0.01	0.00	0.24	19.64	6	NA	NA	18.0	1.5
KAFB-106113-050	1/19/2012	VA1118	REG	-0.02	0.00	0.32	19.91	7	NA	NA	18.0	1.5
KAFB-106113-150	1/19/2012	VA1120	REG	0.46	0.00	0.42	19.22	9	NA	NA	22.5	1.5
KAFB-106113-250	1/19/2012	VA1121	REG	0.56	0.00	1.56	17.09	37	NA	NA	27.0	1.5
KAFB-106113-350	1/19/2012	VA1122	REG	0.70	0.00	0.44	17.55	1168	NA	NA	27.0	1.5
KAFB-106113-450	1/19/2012	VA1123	REG	0.64	0.00	0.46	17.71	4670	NA	NA	240.0	12.0
KAFB-106114-025	3/19/2012	VA1124	REG	0.39	0.00	0.50	19.05	4	NA	NA	18.0	1.5
KAFB-106114-050	3/19/2012	VA1125	REG	0.50	0.00	0.48	20.10	5	NA	NA	18.0	1.5
KAFB-106114-150	3/19/2012	VA1126	REG	2.97	0.00	0.54	20.03	1	NA	NA	21.0	1.5
KAFB-106114-250	3/20/2012	VA1127	REG	0.74	0.00	2.34	16.32	67	NA	NA	24.0	1.5
KAFB-106114-350	3/20/2012	VA1128	REG	1.23	0.00	0.34	19.57	446	NA	NA	28.5	1.5
KAFB-106114-450	3/20/2012	VA1130	REG	0.95	0.00	0.48	19.21	9730	NA	NA	240.0	12.0
KAFB-106115-025	1/19/2012	VA1131	REG	0.30	0.00	0.58	19.54	17	NA	NA	18.0	1.5

Table 4-1
Field Measurements for Soil-Vapor Monitoring Wells, January - March 2012

Sample Location	Date	Sample Number	Sample Purpose	Static Pressure (In. H_2O)	CO (%)	CO_2 (%)	O_2 (%)	HC (ppmv)	Instantaneous HC (ppmV)	9X Sample Dilution HC (ppmV)	Volume Purged (ft^3)	Purge Rate (cfm)
KAFB-106115-050	1/19/2012	VA1132	REG	0.40	0.00	0.72	19.48	10	NA	NA	18.0	1.5
KAFB-106115-150	1/19/2012	VA1133	REG	1.60	0.00	0.30	19.10	8	NA	NA	22.5	1.5
KAFB-106115-250	1/19/2012	VA1134	REG	1.75	0.00	0.30	18.18	7	NA	NA	27.0	1.5
KAFB-106115-350	1/19/2012	VA1135	REG	1.84	0.00	0.38	19.28	1486	NA	NA	27.0	1.5
KAFB-106115-450	1/20/2012	VA1136	REG	1.32	0.00	1.28	15.54	4390	NA	NA	240.0	12.0
KAFB-106116-025	3/19/2012	VA1137	REG	0.08	0.00	0.38	19.21	20	NA	NA	18.0	1.5
KAFB-106116-050	3/19/2012	VA1138	REG	0.20	0.00	1.16	17.36	11	NA	NA	18.0	1.5
KAFB-106116-150	3/20/2012	VA1140	REG	0.40	0.00	0.66	18.10	7	NA	NA	22.5	1.5
KAFB-106116-250	3/20/2012	VA1141	REG	0.68	0.00	1.10	16.45	4290	NA	NA	27.0	1.5
KAFB-106116-350	3/20/2012	VA1142	REG	0.98	0.00	1.12	17.41	4880	NA	NA	27.0	1.5
KAFB-106116-450	3/20/2012	VA1143	REG	0.76	0.00	2.18	16.12	19530	25020	19530	240.0	12.0
KAFB-106117-025	1/12/2012	VA1144	REG	0.17	0.00	1.44	19.07	45	NA	NA	18.0	1.5
KAFB-106117-050	1/12/2012	VA1145	REG	0.33	0.00	2.58	17.03	419	NA	NA	18.0	1.5
KAFB-106117-150	1/18/2012	VA1146	REG	-0.12	0.00	1.34	18.36	132	NA	NA	22.5	1.5
KAFB-106117-250	1/18/2012	VA1147	REG	-0.21	0.00	2.58	15.51	4590	NA	NA	27.0	1.5
KAFB-106117-350	1/18/2012	VA1148	REG	-0.31	0.00	5.76	11.59	10440	14790	10440	27.0	1.5
KAFB-106117-450	1/18/2012	VA1150	REG	0.16	0.00	2.50	14.82	22860	25480	22860	240.0	12.0
KAFB-106118-025	3/20/2012	VA1151	REG	0.00	0.00	1.66	17.49	64	NA	NA	18.0	1.5
KAFB-106118-050	3/20/2012	VA1152	REG	0.00	0.00	2.60	17.22	41	NA	NA	18.0	1.5
KAFB-106118-160	3/20/2012	VA1153	REG	0.40	0.00	0.78	17.65	90	NA	NA	22.5	1.5
KAFB-106118-265	3/20/2012	VA1154	REG	0.60	0.00	0.68	16.32	1378	NA	NA	27.0	1.5
KAFB-106118-350	3/22/2012	VA1155	REG	-0.14	0.00	0.40	18.30	300	NA	NA	27.0	1.5
KAFB-106118-450	3/22/2012	VA1156	REG	-0.11	0.00	1.16	18.01	305	NA	NA	240.0	12.0
KAFB-106119-025	3/20/2012	VA1157	REG	-0.02	0.00	0.84	19.93	127	NA	NA	18.0	1.5
KAFB-106119-050	3/20/2012	VA1158	REG	-0.06	0.00	4.94	14.23	14	NA	NA	18.0	1.5
KAFB-106119-150	3/20/2012	VA1159	REG	0.28	0.00	2.38	16.95	39	NA	NA	22.5	1.5
KAFB-106119-250	3/20/2012	VA1161	REG	0.33	0.00	1.64	16.74	2348	NA	NA	24.0	1.5
KAFB-106119-350	3/20/2012	VA1162	REG	0.63	0.00	0.76	18.87	4070	NA	NA	28.5	1.5
KAFB-106119-450	3/20/2012	VA1163	REG	0.58	0.00	4.52	10.94	9930	NA	NA	240.0	12.0
KAFB-106120-025	1/20/2012	VA1164	REG	0.00	0.00	0.88	20.01	36	NA	NA	18.0	1.5
KAFB-106120-050	1/20/2012	VA1165	REG	-0.12	0.00	1.12	19.28	5	NA	NA	18.0	1.5
KAFB-106120-150	1/20/2012	VA1166	REG	0.88	0.00	0.30	20.36	4	NA	NA	22.5	1.5
KAFB-106120-250	1/20/2012	VA1167	REG	0.60	0.00	0.50	19.23	4	NA	NA	27.0	1.5
KAFB-106120-350	1/20/2012	VA1168	REG	1.79	0.00	0.30	18.59	653	NA	NA	27.0	1.5
KAFB-106120-450	1/20/2012	VA1169	REG	1.30	0.00	0.16	18.92	1084	NA	NA	240.0	12.0
KAFB-106121-025	1/10/2012	VA1170	REG	0.15	0.00	1.24	20.48	1	NA	NA	18.0	1.5
KAFB-106121-050	1/10/2012	VA1172	REG	0.11	0.00	1.26	19.92	0	NA	NA	18.0	1.5
KAFB-106121-150	1/10/2012	VA1173	REG	0.22	0.00	0.22	19.96	2	NA	NA	22.5	1.5
KAFB-106121-250	1/10/2012	VA1174	REG	0.25	0.00	0.26	19.86	0	NA	NA	27.0	1.5
KAFB-106121-350	1/10/2012	VA1175	REG	0.33	0.00	0.24	18.73	731	NA	NA	27.0	1.5

Table 4-1
Field Measurements for Soil-Vapor Monitoring Wells, January - March 2012

Sample Location	Date	Sample Number	Sample Purpose	Static Pressure (In. H_2O)	CO (%)	CO_2 (%)	O_2 (%)	HC (ppmv)	Instantaneous HC (ppmV)	9X Sample Dilution HC (ppmV)	Volume Purged (ft^3)	Purge Rate (cfm)
KAFB-106121-450	1/10/2012	VA1176	REG	0.31	0.00	0.12	19.87	662	NA	NA	240.0	12.0
KAFB-106122-025	1/10/2012	VA1177	REG	0.25	0.00	1.06	19.32	0	NA	NA	18.0	1.5
KAFB-106122-050	1/10/2012	VA1178	REG	0.39	0.00	1.26	19.11	0	NA	NA	18.0	1.5
KAFB-106122-150	1/11/2012	VA1179	REG	1.82	0.00	0.28	20.53	4	NA	NA	22.5	1.5
KAFB-106122-250	1/11/2012	VA1180	REG	2.02	0.00	0.48	19.70	1	NA	NA	27.0	1.5
KAFB-106122-350	1/11/2012	VA1182	REG	2.35	0.00	0.24	18.71	685	NA	NA	27.0	1.5
KAFB-106122-450	1/11/2012	VA1183	REG	2.24	0.00	0.18	19.91	549	NA	NA	240.0	12.0
KAFB-106123-025	1/11/2012	VA1184	REG	0.06	0.00	1.20	19.82	16	NA	NA	18.0	1.5
KAFB-106123-050	1/11/2012	VA1185	REG	0.14	0.00	1.70	18.54	99	NA	NA	18.0	1.5
KAFB-106123-150	1/11/2012	VA1186	REG	2.32	0.00	0.22	19.93	0	NA	NA	22.5	1.5
KAFB-106123-250	1/11/2012	VA1187	REG	2.53	0.00	0.44	19.51	3	NA	NA	27.0	1.5
KAFB-106123-350	1/11/2012	VA1188	REG	2.84	0.00	0.46	18.69	19	NA	NA	27.0	1.5
KAFB-106123-450	1/11/2012	VA1189	REG	2.83	0.00	0.38	18.25	3010	NA	NA	240.0	12.0
KAFB-106124-025	1/17/2012	VA1190	REG	-0.08	0.00	1.32	19.34	34	NA	NA	18.0	1.5
KAFB-106124-050	1/17/2012	VA1191	REG	-0.16	0.00	1.44	19.31	4	NA	NA	18.0	1.5
KAFB-106124-150	1/17/2012	VA1193	REG	-0.36	0.00	0.10	20.79	9	NA	NA	22.5	1.5
KAFB-106124-150	3/5/2012	VA1193R	REG	-1.68	0.00	0.16	20.51	19	NA	NA	22.5	1.5
KAFB-106124-250	1/17/2012	VA1194	REG	-0.30	0.00	0.16	21.32	2	NA	NA	24.0	1.5
KAFB-106124-350	1/17/2012	VA1195	REG	-0.04	0.00	0.22	21.40	770	NA	NA	31.5	1.5
KAFB-106124-350	3/15/2012	VA1195-R	REG	-1.40	0.00	0.22	19.24	1033	NA	NA	31.5	1.5
KAFB-106124-450	1/17/2012	VA1196	REG	-0.22	0.00	0.38	19.00	2260	NA	NA	240.0	12.0
KAFB-106125-025	1/18/2012	VA1197	REG	0.00	0.00	1.76	19.26	3	NA	NA	18.0	1.5
KAFB-106125-050	1/18/2012	VA1198	REG	0.06	0.00	1.98	18.77	2	NA	NA	18.0	1.5
KAFB-106125-150	1/18/2012	VA1199	REG	0.00	0.00	0.20	19.47	2	NA	NA	22.5	1.5
KAFB-106125-250	1/18/2012	VA1200	REG	-0.02	0.00	0.04	21.17	3	NA	NA	27.0	1.5
KAFB-106125-350	1/18/2012	VA1201	REG	0.00	0.00	0.12	19.80	649	NA	NA	27.0	1.5
KAFB-106125-450	1/18/2012	VA1203	REG	-0.04	0.00	0.34	18.54	4570	NA	NA	240.0	12.0
KAFB-106126-025	1/19/2012	VA1204	REG	0.02	0.00	0.00	20.89	1	NA	NA	18.0	1.5
KAFB-106126-050	1/19/2012	VA1205	REG	0.04	0.00	0.00	20.99	2	NA	NA	18.0	1.5
KAFB-106126-150	1/19/2012	VA1206	REG	0.39	0.00	0.02	21.01	3	NA	NA	22.5	1.5
KAFB-106126-250	1/19/2012	VA1207	REG	0.46	0.00	0.08	20.12	7	NA	NA	24.0	1.5
KAFB-106126-350	1/19/2012	VA1208	REG	0.50	0.00	0.08	21.14	339	NA	NA	30.0	1.5
KAFB-106126-450	1/19/2012	VA1209	REG	0.58	0.00	0.12	21.01	568	NA	NA	240.0	12.0
KAFB-106127-025	1/19/2012	VA1210	REG	0.11	0.00	0.24	20.13	263	NA	NA	18.0	1.5
KAFB-106127-050	1/19/2012	VA1211	REG	0.19	0.00	0.36	20.22	7	NA	NA	18.0	1.5
KAFB-106127-150	1/19/2012	VA1213	REG	1.10	0.00	0.18	19.95	5	NA	NA	22.5	1.5
KAFB-106127-250	1/19/2012	VA1214	REG	1.50	0.00	0.08	19.26	5	NA	NA	24.0	1.5
KAFB-106127-350	1/19/2012	VA1215	REG	1.80	0.00	0.20	20.30	394	NA	NA	30.0	1.5
KAFB-106127-450	1/20/2012	VA1216	REG	1.61	0.00	0.32	19.35	2210	NA	NA	240.0	12.0
KAFB-106128-025	3/6/2012	VA1217	REG	0.26	0.00	1.00	18.69	13	NA	NA	18.0	1.5

Table 4-1
Field Measurements for Soil-Vapor Monitoring Wells, January - March 2012

Sample Location	Date	Sample Number	Sample Purpose	Static Pressure (In. H_2O)	CO (%)	CO_2 (%)	O_2 (%)	HC (ppmv)	Instantaneous HC (ppmV)	9X Sample Dilution HC (ppmV)	Volume Purged (ft^3)	Purge Rate (cfm)
KAFB-106128-050	3/6/2012	VA1218	REG	0.44	0.00	2.14	16.98	192	NA	NA	18.0	1.5
KAFB-106128-150	3/6/2012	VA1219	REG	1.28	0.00	1.78	18.12	314	NA	NA	22.5	1.5
KAFB-106128-250	3/6/2012	VA1220	REG	1.41	0.00	3.66	13.46	278	NA	NA	24.0	1.5
KAFB-106128-350	3/6/2012	VA1221	REG	1.46	0.00	0.56	18.62	5880	NA	NA	28.5	1.5
KAFB-106128-450	3/6/2012	VA1223	REG	1.14	0.00	1.86	15.79	21330	29390	21330	240.0	12.0
KAFB-106129-025	3/5/2012	VA1224	REG	-0.19	0.00	0.18	19.97	110	NA	NA	18.0	1.5
KAFB-106129-050	3/5/2012	VA1225	REG	-0.23	0.00	0.12	20.46	83	NA	NA	18.0	1.5
KAFB-106129-150	3/5/2012	VA1226	REG	-1.56	0.00	0.14	19.04	0	NA	NA	22.5	1.5
KAFB-106129-250	3/5/2012	VA1227	REG	-1.85	0.00	0.42	18.06	696	NA	NA	27.0	1.5
KAFB-106129-350	3/5/2012	VA1228	REG	-1.93	0.00	0.52	17.58	1542	NA	NA	29.5	1.5
KAFB-106129-450	3/5/2012	VA1229	REG	-2.36	0.00	0.52	17.77	6700	NA	NA	240.0	12.0
KAFB-106130-025	1/12/2012	VA1230	REG	0.00	0.00	0.22	19.90	36	NA	NA	18.0	1.5
KAFB-106130-050	1/12/2012	VA1231	REG	0.00	0.00	0.17	20.13	23	NA	NA	17.0	1.5
KAFB-106130-150	1/12/2012	VA1233	REG	0.10	0.00	0.58	18.04	10	NA	NA	22.5	1.5
KAFB-106130-250	1/12/2012	VA1234	REG	0.50	0.00	1.48	17.42	12	NA	NA	27.0	1.5
KAFB-106130-350	1/13/2012	VA1235	REG	-0.50	0.00	1.48	15.89	2360	NA	NA	27.0	1.5
KAFB-106130-450	1/13/2012	VA1236	REG	-1.00	0.00	1.04	17.20	6897	9070	6897	240.0	12.0
KAFB-106131-025	3/12/2012	VA1237	REG	0.13	0.00	0.10	20.41	53	NA	NA	18.0	1.5
KAFB-106131-055	3/12/2012	VA1238	REG	0.16	0.00	0.10	19.58	63	NA	NA	19.5	1.5
KAFB-106131-150	3/12/2012	VA1239	REG	-0.36	0.00	0.20	20.31	14	NA	NA	21.0	1.5
KAFB-106131-245	3/13/2012	VA1240	REG	-0.18	0.00	0.54	19.32	8	NA	NA	24.0	1.5
KAFB-106131-350	3/13/2012	VA1241	REG	-0.36	0.00	0.14	19.33	267	NA	NA	28.5	1.5
KAFB-106131-450	3/13/2012	VA1243	REG	-0.65	0.00	0.46	17.89	4860	NA	NA	240.0	12.0
KAFB-106132-025	3/12/2012	VA1244	REG	-0.18	0.00	0.52	21.09	4	NA	NA	18.0	1.5
KAFB-106132-050	3/12/2012	VA1245	REG	-0.28	0.00	0.74	21.84	6	NA	NA	18.0	1.5
KAFB-106132-175	3/12/2012	VA1246	REG	-0.60	0.00	0.16	19.88	5	NA	NA	22.5	1.5
KAFB-106132-250	3/12/2012	VA1247	REG	-0.56	0.00	0.18	19.72	6	NA	NA	24.0	1.5
KAFB-106132-350	3/12/2012	VA1248	REG	-0.46	0.00	0.68	19.16	27	NA	NA	28.5	1.5
KAFB-106132-450	3/12/2012	VA1249	REG	NR	0.00	0.38	20.55	369	NA	NA	240.0	12.0
KAFB-106133-025	1/16/2012	VA1250	REG	0.05	0.00	1.02	19.27	4	NA	NA	18.0	1.5
KAFB-106133-050	1/16/2012	VA1251	REG	0.04	0.00	1.06	19.67	2	NA	NA	18.0	1.5
KAFB-106133-170	1/16/2012	VA1253	REG	2.00	0.00	0.50	18.89	7	NA	NA	22.5	1.5
KAFB-106133-250	1/16/2012	VA1254	REG	2.40	0.00	0.88	17.81	7	NA	NA	24.0	1.5
KAFB-106133-350	1/16/2012	VA1255	REG	3.20	0.00	0.92	17.26	451	NA	NA	28.5	1.5
KAFB-106133-450	1/16/2012	VA1256	REG	3.20	0.00	0.38	19.49	298	NA	NA	240.0	12.0
KAFB-106134-025	1/16/2012	VA1257	REG	0.05	0.00	0.18	20.26	5	NA	NA	18.0	1.5
KAFB-106134-050	1/16/2012	VA1258	REG	0.05	0.00	0.00	20.82	0	NA	NA	18.0	1.5
KAFB-106134-170	1/16/2012	VA1259	REG	0.10	0.00	0.00	20.66	2	NA	NA	22.5	1.5
KAFB-106134-250	1/16/2012	VA1260	REG	0.18	0.00	0.38	18.65	19	NA	NA	24.0	1.5
KAFB-106134-350	1/17/2012	VA1261	REG	-0.12	0.00	0.06	19.74	67	NA	NA	27.0	1.5

Table 4-1
Field Measurements for Soil-Vapor Monitoring Wells, January - March 2012

Sample Location	Date	Sample Number	Sample Purpose	Static Pressure (In. H_2O)	CO (%)	CO_2 (%)	O_2 (%)	HC (ppmv)	Instantaneous HC (ppmV)	9X Sample Dilution HC (ppmV)	Volume Purged (ft^3)	Purge Rate (cfm)
KAFB-106134-450	1/17/2012	VA1263	REG	-0.10	0.00	0.32	19.88	444	NA	NA	240.0	12.0
KAFB-106135-025	1/16/2012	VA1264	REG	1.70	0.00	0.16	20.18	1	NA	NA	18.0	1.5
KAFB-106135-050	1/16/2012	VA1265	REG	0.32	0.00	0.14	20.44	0	NA	NA	18.0	1.5
KAFB-106135-150	1/16/2012	VA1266	REG	2.51	0.00	0.10	19.95	1	NA	NA	22.5	1.5
KAFB-106135-250	1/16/2012	VA1267	REG	3.98	0.00	0.16	19.90	1	NA	NA	27.0	1.5
KAFB-106135-350	1/16/2012	VA1268	REG	3.99	0.00	0.12	20.62	46	NA	NA	27.0	1.5
KAFB-106135-450	1/17/2012	VA1269	REG	-0.22	0.00	0.26	19.80	301	NA	NA	240.0	12.0
KAFB-106136-025	3/7/2012	VA1270	REG	0.00	0.00	0.16	20.26	7	NA	NA	18.0	1.5
KAFB-106136-050	3/7/2012	VA1271	REG	0.00	0.00	0.20	20.57	8	NA	NA	18.0	1.5
KAFB-106136-150	3/7/2012	VA1273	REG	0.00	0.00	0.14	20.33	6	NA	NA	22.5	1.5
KAFB-106136-250	3/7/2012	VA1274	REG	2.80	0.00	0.14	20.67	7	NA	NA	27.0	1.5
KAFB-106136-350	3/7/2012	VA1275	REG	3.20	0.00	0.16	20.27	7	NA	NA	27.0	1.5
KAFB-106136-450	3/7/2012	VA1276	REG	NR	0.00	0.16	20.39	12	NA	NA	240.0	12.0
KAFB-106137-025	1/16/2012	VA1277	REG	0.04	0.00	0.32	21.32	10	NA	NA	18.0	1.5
KAFB-106137-050	1/16/2012	VA1278	REG	0.14	0.00	0.18	20.72	0	NA	NA	18.0	1.5
KAFB-106137-150	1/16/2012	VA1279	REG	2.30	0.00	0.26	20.81	0	NA	NA	22.5	1.5
KAFB-106137-250	1/16/2012	VA1280	REG	2.35	0.00	0.06	19.93	1	NA	NA	27.0	1.5
KAFB-106137-350	1/16/2012	VA1281	REG	2.35	0.00	0.06	19.99	148	NA	NA	27.0	1.5
KAFB-106137-450	1/16/2012	VA1282	REG	2.24	0.00	0.60	19.05	1466	NA	NA	240.0	12.0
KAFB-106138-025	3/7/2012	VA1283	REG	0.02	0.00	2.76	18.21	4	NA	NA	18.0	1.5
KAFB-106138-050	3/7/2012	VA1284	REG	0.10	0.00	2.22	17.35	5	NA	NA	18.0	1.5
KAFB-106138-150	3/8/2012	VA1285	REG	-0.90	0.00	0.16	20.18	2	NA	NA	22.5	1.5
KAFB-106138-250	3/8/2012	VA1286	REG	-0.96	0.00	0.10	21.11	1	NA	NA	27.0	1.5
KAFB-106138-350	3/8/2012	VA1288	REG	-0.82	0.00	0.18	20.39	2	NA	NA	27.0	1.5
KAFB-106138-450	3/12/2012	VA1289	REG	0.00	0.00	0.12	20.57	2	NA	NA	240.0	12.0
KAFB-106139-025	3/12/2012	VA1290	REG	0.00	0.00	0.48	21.69	4	NA	NA	18.0	1.5
KAFB-106139-050	3/12/2012	VA1291	REG	-0.04	0.00	0.36	20.27	4	NA	NA	18.0	1.5
KAFB-106139-150	3/12/2012	VA1292	REG	-0.72	0.00	0.62	19.64	6	NA	NA	22.5	1.5
KAFB-106139-250	3/12/2012	VA1293	REG	-0.72	0.00	0.64	19.46	5	NA	NA	27.0	1.5
KAFB-106139-350	3/12/2012	VA1294	REG	-0.68	0.00	0.78	19.45	12	NA	NA	27.0	1.5
KAFB-106139-450	3/12/2012	VA1295	REG	-3.70	0.00	0.98	18.81	2	NA	NA	240.0	12.0
KAFB-106140-025	3/12/2012	VA1296	REG	0.02	0.00	0.08	20.32	4	NA	NA	18.0	1.5
KAFB-106140-050	3/12/2012	VA1297	REG	0.10	0.00	0.18	20.53	3	NA	NA	18.0	1.5
KAFB-106140-150	3/13/2012	VA1298	REG	0.00	0.00	0.14	19.61	10	NA	NA	22.5	1.5
KAFB-106140-250	3/13/2012	VA1299	REG	0.00	0.00	0.18	19.94	16	NA	NA	27.0	1.5
KAFB-106140-350	3/13/2012	VA1300	REG	0.00	0.00	0.32	19.22	975	NA	NA	27.0	1.5
KAFB-106140-450	3/14/2012	VA1302	REG	-0.16	0.00	0.00	20.84	3	NA	NA	240.0	12.0
KAFB-106141-025	3/7/2012	VA1303	REG	0.29	0.00	0.12	20.40	7	NA	NA	18.0	1.5
KAFB-106141-050	3/7/2012	VA1304	REG	0.48	0.00	0.10	20.75	4	NA	NA	18.0	1.5
KAFB-106141-170	3/7/2012	VA1305	REG	4.69	0.00	0.12	20.70	4	NA	NA	22.5	1.5

Table 4-1
Field Measurements for Soil-Vapor Monitoring Wells, January - March 2012

Sample Location	Date	Sample Number	Sample Purpose	Static Pressure (In. H_2O)	CO (%)	CO_2 (%)	O_2 (%)	HC (ppmv)	Instantaneous HC (ppmV)	9X Sample Dilution HC (ppmV)	Volume Purged (ft^3)	Purge Rate (cfm)
KAFB-106141-250	3/8/2012	VA1306	REG	NR	0.00	0.10	20.27	2	NA	NA	24.0	1.5
KAFB-106141-350	3/8/2012	VA1307	REG	-0.99	0.00	0.10	21.08	2	NA	NA	28.5	1.5
KAFB-106141-450	3/8/2012	VA1308	REG	-1.83	0.00	0.16	20.55	4	NA	NA	240.0	12.0
KAFB-106142-030	3/7/2012	VA1309	REG	0.05	0.00	0.22	20.72	10	NA	NA	18.0	1.5
KAFB-106142-050	3/7/2012	VA1310	REG	0.06	0.00	0.20	20.41	10	NA	NA	18.0	1.5
KAFB-106142-170	3/7/2012	VA1311	REG	3.66	0.00	0.10	20.04	10	NA	NA	22.5	1.5
KAFB-106142-250	3/7/2012	VA1312	REG	3.68	0.00	0.12	20.61	11	NA	NA	24.0	1.5
KAFB-106142-350	3/7/2012	VA1314	REG	3.85	0.00	0.14	20.24	9	NA	NA	28.5	1.5
KAFB-106142-450	3/7/2012	VA1315	REG	3.18	0.00	0.18	20.01	57	NA	NA	240.0	12.0
ST106-IN	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
ST106-IN	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
ST106-IN	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
ST106-POSTC1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
ST106-POSTC2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
KAFB1065-IN	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
KAFB1065-IN	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
KAFB1065-IN	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
KAFB1065-POSTC1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
KAFB1065-POSTC2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
KAFB1066-IN	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
KAFB1066-IN	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
KAFB1066-IN	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
KAFB1066-POSTC1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
KAFB1066-POSTC2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
KAFB1068-IN	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
KAFB1068-IN	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
KAFB1068-IN	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
KAFB1068-POSTC1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
KAFB1068-POSTC2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

*SVMW-08-266 sample was not collected - sample port plugged

NA = Not Applicable

NR = Not recorded or reported due to operational error.

Table 4-2
Soil Vapor Analytical Results
January - March 2012

	LOCATION CODE	KAFB-106028-150			KAFB-106028-250			KAFB-106028-350			KAFB-106028-450			KAFB-106108-025			KAFB-106108-050			KAFB-106108-050			KAFB-106108-150			KAFB-106108-250			KAFB-106108-350			KAFB-106108-450		
	SAMPLE NO	VA1066			VA1067			VA1068			VA1069			VA1084			VA1085			VA1086			VA1087			VA1088			VA1089			VA1090		
	SAMPLE DATE	21-Mar-12			21-Mar-12			21-Mar-12			21-Mar-12			13-Mar-12			13-Mar-12			13-Mar-12			13-Mar-12			13-Mar-12			13-Mar-12			14-Mar-12		
	SAMPLE PURPOSE	REG			REG			REG			REG			REG			REG			FD			REG			REG			REG			REG		
	SAMPLE DEPTH	149-151 FT			249-251 FT			349-351 FT			449-451 FT			15-25 FT			40-50 FT			40-50 FT			140-150 FT			240-250 FT			340-350 FT			440-450 FT		
Chemical Class & Analytical Method[a]	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	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
TPH (ug/m3) Method MADEP APH	C5-C8 ALIPHATIC HYDROCARBONS	240000	N/A	94000	200000	N/A	47000	370000	N/A	47000	1800000	N/A	940000	35000	N/A	4700	65000	N/A	4700	48000	N/A	4700	240000	N/A	47000	680000	N/A	94000	2100000	N/A	190000	170000	N/A	47000
	C9-C10 AROMATIC HYDROCARBONS	ND	U	110000	ND	U	53000	ND	U	53000	ND	U	1100000	ND	U	5300	ND	U	5300	ND	U	5300	ND	U	53000	ND	U	110000	ND	U	210000	ND	U	53000
	C9-C12 ALIPHATIC HYDROCARBONS	ND	U	150000	ND	U	76000	ND	U	76000	ND	U	1500000	2900	J	7600	5000	J	7600	1500	J	7600	ND	U	76000	ND	U	150000	ND	U	300000	ND	U	76000
VOCs (ppbv) Method TO15	1,1,1-TRICHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	200
	1,1,2,2-TETRACHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	200
	1,1,2-TRICHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	200
	1,1-DICHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	200
	1,1-DICHLOROETHENE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	200
	1,2,4-TRICHLOROBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	200
	1,2,4-TRIMETHYLBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	200
	1,2-DIBROMOETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	200
	1,2-DICHLOROBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	200
	1,2-DICHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	200
	1,2-DICHLOROPROPANE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	200
	1,3,5-TRIMETHYLBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	200
	1,3-DICHLOROBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	200
	1,4-DICHLOROBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	200
	2-BUTANONE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	200
	2-HEXANONE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	200
	4-METHYL-2-PENTANONE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	200
	ACETONE	ND	U	800	1100	N/A	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	400	N/A	200
	BENZENE	1900	N/A	800	2100	N/A	800	3000	N/A	800	18000	N/A	8000	460	N/A	40	630	N/A	40	510	N/A	40	3600	N/A	400	34000	N/A	800	12000	N/A	800	1300	N/A	200
	BENZENE, (CHLOROMETHYL)-	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	200
	BROMODICHLOROMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	200
	BROMOFORM	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	200
	BROMOMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	200
	CARBON DISULFIDE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	200
	CARBON TETRACHLORIDE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	200
	CHLOROBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	200
	CHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	200
	CHLOROFORM	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	200
	CHLOROMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	200
	CIS-1,2-DICHLOROETHENE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	200
	CIS-1,3-DICHLOROPROPENE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	200
	CYCLOHEXANE	3200	N/A	1600	4100	N/A	1600	6300	N/A	1600	43000	N/A	16000	590	N/A	80	940	N/A	80	900	N/A	80	6000	N/A	800	9000	N/A	1600	18000	N/A	1600	ND	U	400
	DIBROMOCHLOROMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	200
	DICHLORODIFLUOROMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	200
	ERYTHRENE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	200
	ETHYL ACETATE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	200
	ETHYLBENZENE	ND	U	1600	ND	U	1600	ND	U	1600	ND	U	16000	52	J	80	56	J	80	56	J	80	ND	U	800	ND	U	1600	ND	U	1600	230	J	400
	FREON 113	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	200
	HEPTANE	2900	N/A	800	4400	N/A	800	3600	N/A	800	31000	N/A	8000	720	N/A	40	950	N/A	40	880	N/A	40	1800	N/A	400	2700	N/A	800	5300	N/A	800	1500	N/A	200
	HEXACHLOROBUTADIENE	ND	U	1600	ND	U	1600	ND	U	1600	ND	U	16000	ND	U	80	ND	U	80	ND	U	80	ND	U	800	ND	U	1600	ND	U	1600	ND	U	400
	HEXANE	1600	N/A	1600	2600	N/A	1600	4200	N/A	1600	22000	N/A	16000	370	N/A	80	550	N/A	80	520	N/A	80	2200	N/A	800	8500	N/A	1600	18000	N/A	1600	1000	N/A	400
	M,P-XYLENES	1200	J	1600	1400	J	1600	1200	J	1600	8200	J	16000	180	N/A	80	190	N/A	80	200	N/A	80	550	J	800	2100	N/A	1600	1600	N/A	1600	670	N/A	400
	METHYL TERT-BUTYL ETHER	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	200
	METHYLENE CHLORIDE	ND	U	4000	ND	U	4000	ND	U	4000	ND	U	40000	ND	U	200	ND	U	200	ND	U	200	ND	U	2000	ND	U	4000	ND	U	4000	ND	U	1000
	NAPHTHALENE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	200
	O-XYLENE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	48	N/A	40	48	N/A	40	49	N/A	40	ND	U	400	980	N/A	800	ND	U	800	200	N/A	200
	PROPYLENE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	970	N/A	800	1300	N/A	800	ND	U	200
	STYRENE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	200
	TETRACHLOROETHENE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	200
	THF	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	200
	TOLUENE	6400	N/A	800	7400	N/A	800	6500	N/A	800	42000	N/A	8000	1100	N/A	40	1400	N/A	40	1300	N/A	40	4400	N/A	400	35000	N/A	800	24000	N/A	800	4700	N/A	200
	TRANS-1,2-DICHLOROETHENE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	200
	TRANS-1,3-DICHLOROPROPENE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	200
	TRICHLOROETHENE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	200
	TRICHLOROFLUOROMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	200
	VINYL ACETATE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	200
	VINYL CHLORIDE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	200
	XYLENES	1200	J	2400	1400	J	2400	1200	J	2400	8200	J	24000	230	N/A	120	240	N/A	120	250	N/A	120	550	J	1200	3100	N/A	2400	1600	J	2400	870	N/A	600
FIXED GASES Method D2504 (Percent)	CARBON DIOXIDE	0.077	J	0.1	0.088	J	0.1	0.16	N/A	0.1	0.46	N/A	0.1	0.41	N/A	0.1	2.7	N/A	0.1	2.2	N/A	0.1	1.6	N/A	0.1	0.36	N/A	0.1	0.24	N/A	0.1	0.42	N/A	0.1
	CARBON MONOXIDE	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	ND	U	0.1	ND	U	0.1
	METHANE	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5
	NITROGEN	78	N/A	0.1	78	N/A	0.1	78	N/A	0.1	78	N/A	0.1	78	N/A	0.1	78	N/A	0.1	80	N/A	0.1	81	N/A	0.1	80	N/A	0.1	81	N/A	0.1	79	N/A	0.1
	OXYGEN	20	N/A	0.1	21	N/A	0.1	21	N/A	0.1	20	N/A	0.1	20	N/A	0.1	17	N/A	0.1	18	N/A	0.1	19	N/A	0.1	20	N/A	0.1	20	N/A	0.1	19	N/A	0.1

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

Shading indicates the analyte was detected.

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

J+ = estimated value, concentration is less than PQL but greater than laboratory MDL; biased high.

J- = estimated value, concentration is less than PQL but greater than laboratory MDL; biased low.

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

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

N/A = Not applicable.

ND = Not detected.

NM = Not measured due to sample receipt condition or analyzed on initial sample.

R = Sample data rejected, data unusable

RL = Reporting Limit.

Table 4-2
Soil Vapor Analytical Results
January - March 2012

	LOCATION CODE	KAFB-106109-025			KAFB-106109-050			KAFB-106109-150			KAFB-106109-250			KAFB-106109-250			KAFB-106109-350			KAFB-106109-450			KAFB-106110-025			KAFB-106110-050			KAFB-106110-150			KAFB-106110-250		
	SAMPLE NO	VA1091			VA1092			VA1093			VA1094			VA1095			VA1096			VA1097			VA1098			VA1099			VA1100			VA1101		
	SAMPLE DATE	15-Mar-12			15-Mar-12			15-Mar-12			15-Mar-12			15-Mar-12			15-Mar-12			15-Mar-12			19-Mar-12			19-Mar-12			19-Mar-12			19-Mar-12		
	SAMPLE PURPOSE	REG			REG			REG			REG			FD			REG			REG			REG			REG			REG			REG		
	SAMPLE DEPTH	15-25 FT			40-50 FT			140-150 FT			240-250 FT			240-250 FT			340-351 FT			440-450 FT			15-25 FT			40-50 FT			140-150 FT			240-250 FT		
Chemical Class & Analytical Method[a]	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	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
TPH (ug/m3) Method MADEP APH	C5-C8 ALIPHATIC HYDROCARBONS	18000	N/A	4700	83000	N/A	47000	51000	N/A	23000	160000	N/A	47000	160000	N/A	47000	39000	N/A	4700	58000	N/A	4700	9300	N/A	4700	6000	N/A	940	52000	N/A	23000	110000	N/A	47000
	C9-C10 AROMATIC HYDROCARBONS	ND	U	5300	ND	U	53000	ND	U	27000	ND	U	53000	ND	U	53000	ND	U	5300	ND	U	5300	ND	U	5300	ND	U	1100	ND	U	27000	ND	U	53000
	C9-C12 ALIPHATIC HYDROCARBONS	ND	U	7600	ND	U	76000	ND	U	38000	ND	U	76000	ND	U	76000	5100	J	7600	3100	J	7600	ND	U	7600	310	J	1500	ND	U	38000	ND	U	76000
VOCs (ppbv) Method TO15	1,1,1-TRICHLOROETHANE	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400
	1,1,2,2-TETRACHLOROETHANE	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400
	1,1,2-TRICHLOROETHANE	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400
	1,1-DICHLOROETHANE	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400
	1,1-DICHLOROETHENE	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400
	1,2,4-TRICHLOROBENZENE	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400
	1,2,4-TRIMETHYLBENZENE	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400
	1,2-DIBROMOETHANE	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400
	1,2-DICHLOROBENZENE	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400
	1,2-DICHLOROETHANE	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400
	1,2-DICHLOROPROPANE	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400
	1,3,5-TRIMETHYLBENZENE	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400
	1,3-DICHLOROBENZENE	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400
	1,4-DICHLOROBENZENE	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400
	2-BUTANONE	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400
	2-HEXANONE	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400
	4-METHYL-2-PENTANONE	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400
	ACETONE	710	N/A	400	400	N/A	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40	ND	U	40	510	N/A	400
	BENZENE	860	N/A	400	1100	N/A	400	490	N/A	40	1300	N/A	400	1400	N/A	400	1200	N/A	400	1100	N/A	400	ND	U	40	ND	U	40	700	N/A	40	3200	N/A	400
	BENZENE, (CHLOROMETHYL)-	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400
	BROMODICHLOROMETHANE	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400
	BROMOFORM	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400
	BROMOMETHANE	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400
	CARBON DISULFIDE	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400
	CARBON TETRACHLORIDE	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40	42	N/A	40	ND	U	400
	CHLOROBENZENE	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400
	CHLOROETHANE	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400
	CHLOROFORM	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400
	CHLOROMETHANE	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400
	CIS-1,2-DICHLOROETHENE	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400
	CIS-1,3-DICHLOROPROPENE	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400
	CYCLOHEXANE	ND	U	800	ND	U	800	ND	U	80	1900	N/A	800	2300	N/A	800	1800	N/A	800	2100	N/A	800	ND	U	80	ND	U	80	1000	N/A	80	2700	N/A	800
	DIBROMOCHLOROMETHANE	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400
	DICHLORODIFLUOROMETHANE	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400
	ERYTHRENE	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400
	ETHYL ACETATE	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400
	ETHYLBENZENE	ND	U	800	ND	U	800	98	N/A	80	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	80	ND	U	80	ND	U	80	ND	U	800
	FREON 113	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40	76	N/A	40	ND	U	400
	HEPTANE	1300	N/A	400	1500	N/A	400	720	N/A	40	1800	N/A	400	2000	N/A	400	1900	N/A	400	1700	N/A	400	220	N/A	40	170	N/A	40	260	N/A	40	1300	N/A	400
	HEXACHLOROBUTADIENE	ND	U	800	ND	U	800	ND	U	80	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	80	ND	U	80	ND	U	80	ND	U	800
	HEXANE	960	N/A	800	1100	N/A	800	390	N/A	80	890	N/A	800	1100	N/A	800	860	N/A	800	1000	N/A	800	ND	U	80	ND	U	80	600	N/A	80	1800	N/A	800
	M,P-XYLENES	600	J	800	750	J	800	300	N/A	80	800	N/A	800	960	N/A	800	900	N/A	800	820	N/A	800	95	N/A	80	84	N/A	80	120	N/A	80	430	J	800
	METHYL TERT-BUTYL ETHER	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400
	METHYLENE CHLORIDE	ND	U	2000	ND	U	2000	ND	U	200	ND	U	2000	ND	U	2000	ND	U	2000	ND	U	2000	ND	U	200	ND	U	200	ND	U	200	ND	U	2000
	NAPHTHALENE	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400
	O-XYLENE	ND	U	400	ND	U	400	90	N/A	40	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40	50	N/A	40	ND	U	400
	PROPYLENE	ND	U	400	ND	U	400	100	N/A	40	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400
	STYRENE	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400
	TETRACHLOROETHENE	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400
	THF	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400
	TOLUENE	3100	N/A	400	3800	N/A	400	1700	N/A	40	4700	N/A	400	5500	N/A	400	5100	N/A	400	4500	N/A	400	620	N/A	40	500	N/A	40	880	N/A	40	4900	N/A	400
	TRANS-1,2-DICHLOROETHENE	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400
	TRANS-1,3-DICHLOROPROPENE	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400
	TRICHLOROETHENE	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400
	TRICHLOROFLUOROMETHANE	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400
	VINYL ACETATE	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400
	VINYL CHLORIDE	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400
	XYLENES	600	J	1200	750	J	1200	390	N/A	120	800	J	1200	960	J	1200	900	J	1200	820	J	1200	95	J	120	84	J	120	170	N/A	120	430	J	1200
FIXED GASES Method D2504 (Percent)	CARBON DIOXIDE	0.44	N/A	0.1	0.09	J	0.1	0.17	N/A	0.1	0.05	J	0.1	0.24	N/A	0.1	0.16	N/A	0.1	0.37	N/A	0.1	1.2	N/A	0.1	1.1	N/A	0.1	0.47	N/A	0.1	0.39	N/A	0.1
	CARBON MONOXIDE	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	ND	U	0.1	ND	U	0.1
	METHANE	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5
	NITROGEN	79	N/A	0.1	78	N/A	0.1	79	N/A	0.1	77	N/A	0.1	79	N/A	0.1	79	N/A	0.1	79	N/A	0.1	80	N/A	0.1	80	N/A	0.1	79	N/A	0.1	79	N/A	0.1
	OXYGEN	21	N/A	0.1	21	N/A	0.1	20	N/A	0.1	21	N/A	0.1	20	N/A	0.1	20	N/A	0.1	19	N/A	0.1	18	N/A	0.1	19	N/A	0.1	20	N/A	0.1	20	N/A	0.1

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

Shading indicates the analyte was detected.

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

J+ = estimated value, concentration is less than PQL but greater than laboratory MDL; biased high.

J- = estimated value, concentration is less than PQL but greater than laboratory MDL; biased low.

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

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

N/A = Not applicable.

ND = Not detected.

NM = Not measured due to sample receipt condition or analyzed on initial sample.

R = Sample data rejected, data unusable

RL = Reporting Limit.

Table 4-2
Soil Vapor Analytical Results
January - March 2012

	LOCATION CODE	KAFB-106110-350			KAFB-106110-450			KAFB-106111-025			KAFB-106111-050			KAFB-106111-050			KAFB-106111-150			KAFB-106111-250			KAFB-106111-350			KAFB-106111-450			KAFB-106112-025			KAFB-106112-050		
	SAMPLE NO	VA1102			VA1103			VA1104			VA1105			VA1106			VA1107			VA1108			VA1109			VA1110			VA1111			VA1112		
	SAMPLE DATE	19-Mar-12			19-Mar-12			15-Mar-12			15-Mar-12			15-Mar-12			15-Mar-12			15-Mar-12			19-Mar-12			19-Mar-12			12-Jan-12			12-Jan-12		
	SAMPLE PURPOSE	REG			REG			REG			REG			FD			REG			REG			REG			REG			REG			REG		
	SAMPLE DEPTH	340-350 FT			440-450 FT			15-25 FT			40-50 FT			40-50 FT			140-150 FT			240-250 FT			340-350 FT			440-450 FT			15-25 ft			40-50 ft		
Chemical Class & Analytical Method[a]	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	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
TPH (ug/m3) Method MADEP APH	C5-C8 ALIPHATIC HYDROCARBONS	560000	N/A	94000	2400000	N/A	940000	170000	N/A	94000	2100000	N/A	940000	6200000	N/A	940000	460000	N/A	23000	1200000	N/A	190000	1700000	N/A	190000	8600000	N/A	2300000	44000	N/A	4700	41000	N/A	4700
	C9-C10 AROMATIC HYDROCARBONS	ND	U	110000	ND	U	1100000	ND	U	110000	ND	U	1100000	ND	U	1100000	ND	U	27000	ND	U	210000	ND	U	210000	ND	U	2700000	ND	U	5300	ND	U	5300
	C9-C12 ALIPHATIC HYDROCARBONS	ND	U	150000	ND	U	1500000	ND	U	150000	ND	U	1500000	ND	U	1500000	31000	J	38000	ND	U	300000	ND	U	300000	ND	U	3800000	ND	U	7600	ND	U	7600
VOCs (ppbv) Method TO15	1,1,1-TRICHLOROETHANE	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	1,1,2,2-TETRACHLOROETHANE	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	1,1,2-TRICHLOROETHANE	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	1,1-DICHLOROETHANE	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	1,1-DICHLOROETHENE	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	1,2,4-TRICHLOROBENZENE	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	1,2,4-TRIMETHYLBENZENE	ND	U	400	ND	U	800	ND	U	400	ND	U	400	400	N/A	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	1,2-DIBROMOETHANE	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	1,2-DICHLOROBENZENE	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	1,2-DICHLOROETHANE	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	1,2-DICHLOROPROPANE	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	1,3,5-TRIMETHYLBENZENE	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	1,3-DICHLOROBENZENE	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	1,4-DICHLOROBENZENE	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	2-BUTANONE	ND	U	400	ND	U	800	2000	N/A	400	6200	N/A	400	8000	N/A	400	ND	U	800	1600	N/A	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	2-HEXANONE	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	4-METHYL-2-PENTANONE	ND	U	400	ND	U	800	ND	U	400	760	N/A	400	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	ACETONE	630	N/A	400	ND	U	800	4100	N/A	400	9300	N/A	400	12000	N/A	400	ND	U	800	3000	N/A	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	BENZENE	1900	N/A	400	2700	N/A	800	11000	N/A	400	17000	N/A	8000	65000	N/A	8000	4200	N/A	800	12000	N/A	800	7300	N/A	800	150000	N/A	8000	470	N/A	40	350	N/A	40
	BENZENE, (CHLOROMETHYL)-	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	BROMODICHLOROMETHANE	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	BROMOFORM	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	BROMOMETHANE	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	CARBON DISULFIDE	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	CARBON TETRACHLORIDE	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	CHLOROBENZENE	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	CHLOROETHANE	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	CHLOROFORM	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	CHLOROMETHANE	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	CIS-1,2-DICHLOROETHENE	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	CIS-1,3-DICHLOROPROPENE	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	CYCLOHEXANE	5100	N/A	800	14000	N/A	1600	33000	N/A	1600	51000	N/A	16000	190000	N/A	16000	8300	N/A	1600	25000	N/A	1600	15000	N/A	1600	290000	N/A	16000	1500	N/A	80	1000	N/A	80
	DIBROMOCHLOROMETHANE	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	DICHLORODIFLUOROMETHANE	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	ERYTHRENE	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	ETHYL ACETATE	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	ETHYLBENZENE	ND	U	800	ND	U	1600	1500	N/A	800	5200	N/A	800	6300	N/A	800	ND	U	1600	1600	N/A	1600	ND	U	1600	ND	U	16000	72	J	80	66	J	80
	FREON 113	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	HEPTANE	1100	N/A	400	5200	N/A	800	17000	N/A	400	52000	N/A	8000	190000	N/A	8000	12000	N/A	800	23000	N/A	800	5400	N/A	800	90000	N/A	8000	770	N/A	40	170	N/A	40
	HEXACHLOROBUTADIENE	ND	U	800	ND	U	1600	ND	U	800	ND	U	800	ND	U	800	ND	U	1600	ND	U	1600	ND	U	1600	ND	U	16000	ND	U	80	ND	U	80
	HEXANE	4600	N/A	800	15000	N/A	1600	27000	N/A	1600	35000	N/A	16000	120000	N/A	16000	6400	N/A	1600	18000	N/A	1600	14000	N/A	1600	220000	N/A	16000	1500	N/A	80	430	N/A	80
	M,P-XYLENES	ND	U	800	ND	U	1600	3700	N/A	800	11000	N/A	800	13000	N/A	800	1900	N/A	1600	3900	N/A	1600	1700	N/A	1600	13000	J	16000	120	N/A	80	110	N/A	80
	METHYL TERT-BUTYL ETHER	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	METHYLENE CHLORIDE	ND	U	2000	ND	U	4000	ND	U	2000	ND	U	2000	ND	U	2000	ND	U	4000	ND	U	4000	ND	U	4000	ND	U	40000	ND	U	200	ND	U	200
	NAPHTHALENE	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	O-XYLENE	ND	U	400	ND	U	800	1000	N/A	400	3400	N/A	400	4200	N/A	400	ND	U	800	1000	N/A	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	PROPYLENE	ND	U	400	830	N/A	800	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	800	1100	N/A	800	9600	N/A	8000	85	N/A	40	94	N/A	40
	STYRENE	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	TETRACHLOROETHENE	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	THF	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	TOLUENE	3700	N/A	400	6400	N/A	800	31000	N/A	800	51000	N/A	8000	220000	N/A	8000	16000	N/A	800	31000	N/A	800	18000	N/A	800	220000	N/A	8000	1800	N/A	40	1400	N/A	40
	TRANS-1,2-DICHLOROETHENE	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	TRANS-1,3-DICHLOROPROPENE	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	TRICHLOROETHENE	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	TRICHLOROFLUOROMETHANE	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	VINYL ACETATE	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	VINYL CHLORIDE	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	XYLENES	ND	U	1200	ND	U	2400	4800	N/A	1200	14000	N/A	1200	17000	N/A	1200	1900	J	2400	4900	N/A	2400	1700	J	2400	13000	J	24000	120	N/A	120	110	J	120
FIXED GASES Method D2504 (Percent)	CARBON DIOXIDE	0.2	N/A	0.1	0.84	N/A	0.1	0.22	N/A	0.1	0.71	N/A	0.1	0.51	N/A	0.1	0.51	N/A	0.1	0.33	N/A	0.1	0.097	J	0.1	0.64	N/A	0.1	0.043	J	0.1	0.7	N/A	0.1
	CARBON MONOXIDE	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	ND	U	0.1	ND	U	0.1
	METHANE	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5
	NITROGEN	80	N/A	0.1	82	N/A	0.1	78	N/A	0.1	79	N/A	0.1	79	N/A	0.1	79	N/A	0.1	79	N/A	0.1	79	N/A	0.1	80	N/A	0.1	78	N/A	0.1	79	N/A	0.1
	OXYGEN	20	N/A	0.1	16	N/A	0.1	21	N/A	0.1	20	N/A	0.1	20	N/A	0.1	20	N/A	0.1	20	N/A	0.1	20	N/A	0.1	18	N/A	0.1	21	N/A	0.1	18	N/A	0.1

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

Shading indicates the analyte was detected.

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

J+ = estimated value, concentration is less than PQL but greater than laboratory MDL; biased high.

J- = estimated value, concentration is less than PQL but greater than laboratory MDL; biased low.

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

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

N/A = Not applicable.

ND = Not detected.

NM = Not measured due to sample receipt condition or analyzed on initial sample.

R = Sample data rejected, data unusable

RL = Reporting Limit.

Table 4-2
Soil Vapor Analytical Results
January - March 2012

	LOCATION CODE	KAFB-106112-150			KAFB-106112-250			KAFB-106112-350			KAFB-106112-450			KAFB-106113-020			KAFB-106113-050			KAFB-106113-050			KAFB-106113-150			KAFB-106113-250			KAFB-106113-350			KAFB-106113-450		
	SAMPLE NO	VA1113			VA1114			VA1115			VA1116			VA1117			VA1118			VA1119			VA1120			VA1121			VA1122			VA1123		
	SAMPLE DATE	12-Jan-12			12-Jan-12			12-Jan-12			12-Jan-12			19-Jan-12			19-Jan-12			19-Jan-12			19-Jan-12			19-Jan-12			19-Jan-12			19-Jan-12		
	SAMPLE PURPOSE	REG			REG			REG			REG			REG			REG			FD			REG			REG			REG			REG		
	SAMPLE DEPTH	140-150 ft			240-250 ft			339-349 ft			439-449 ft			10-20 FT			40-50 FT			40-50 FT			140-150 FT			240-250 FT			340-350 FT			440-450 FT		
Chemical Class & Analytical Method[a]	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	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
TPH (ug/m3) Method MADEP APH	C5-C8 ALIPHATIC HYDROCARBONS	67000	N/A	4700	1.2E+07	N/A	940000	2E+07	N/A	2300000	3.2E+07	N/A	2300000	500000	N/A	47000	470000	N/A	94000	840000	N/A	94000	710000	N/A	94000	900000	N/A	94000	5300000	N/A	940000	1.3E+07	N/A	940000
	C9-C10 AROMATIC HYDROCARBONS	ND	U	5300	ND	U	1100000	ND	U	2700000	ND	U	2700000	ND	U	53000	ND	U	110000	ND	U	110000	ND	U	110000	ND	U	110000	ND	U	1100000	ND	U	1100000
	C9-C12 ALIPHATIC HYDROCARBONS	ND	U	7600	ND	U	1500000	ND	U	3800000	ND	U	3800000	ND	U	76000	ND	U	150000	ND	U	150000	25000	J	150000	ND	U	150000	ND	U	1500000	ND	U	1500000
VOCs (ppbv) Method TO15	1,1,1-TRICHLOROETHANE	ND	U	40	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000
	1,1,2,2-TETRACHLOROETHANE	ND	U	40	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000
	1,1,2-TRICHLOROETHANE	ND	U	40	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000
	1,1-DICHLOROETHANE	ND	U	40	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000
	1,1-DICHLOROETHENE	ND	U	40	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000
	1,2,4-TRICHLOROBENZENE	ND	U	40	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000
	1,2,4-TRIMETHYLBENZENE	ND	U	40	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000
	1,2-DIBROMOETHANE	ND	U	40	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000
	1,2-DICHLOROBENZENE	ND	U	40	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000
	1,2-DICHLOROETHANE	ND	U	40	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000
	1,2-DICHLOROPROPANE	ND	U	40	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000
	1,3,5-TRIMETHYLBENZENE	ND	U	40	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000
	1,3-DICHLOROBENZENE	ND	U	40	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000
	1,4-DICHLOROBENZENE	ND	U	40	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000
	2-BUTANONE	ND	U	40	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000
	2-HEXANONE	ND	U	40	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000
	4-METHYL-2-PENTANONE	ND	U	40	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000
	ACETONE	ND	U	40	ND	U	8000	ND	U	8000	ND	U	20000	1400	N/A	400	1600	N/A	800	1000	N/A	800	ND	U	800	1300	N/A	800	ND	U	8000	ND	U	8000
	BENZENE	200	N/A	40	71000	N/A	8000	290000	N/A	8000	930000	N/A	20000	8900	N/A	400	9200	N/A	800	12000	N/A	800	12000	N/A	800	13000	N/A	800	29000	N/A	8000	83000	N/A	8000
	BENZENE, (CHLOROMETHYL)-	ND	U	40	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000
	BROMODICHLOROMETHANE	ND	U	40	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000
	BROMOFORM	ND	U	40	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000
	BROMOMETHANE	ND	U	40	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000
	CARBON DISULFIDE	ND	U	40	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000
	CARBON TETRACHLORIDE	ND	U	40	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000
	CHLOROBENZENE	ND	U	40	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000
	CHLOROETHANE	ND	U	40	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000
	CHLOROFORM	ND	U	40	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000
	CHLOROMETHANE	ND	U	40	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000
	CIS-1,2-DICHLOROETHENE	ND	U	40	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000
	CIS-1,3-DICHLOROPROPENE	ND	U	40	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000
	CYCLOHEXANE	1200	N/A	80	210000	N/A	16000	380000	N/A	16000	1400000	N/A	80000	14000	N/A	800	16000	N/A	1600	27000	N/A	1600	21000	N/A	1600	25000	N/A	1600	43000	N/A	16000	130000	N/A	16000
	DIBROMOCHLOROMETHANE	ND	U	40	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000
	DICHLORODIFLUOROMETHANE	ND	U	40	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000
	ERYTHRENE	ND	U	40	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000
	ETHYL ACETATE	ND	U	40	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000
	ETHYLBENZENE	44	J	80	ND	U	16000	8200	J	16000	ND	U	40000	680	J	800	1100	J	1600	900	J	1600	1100	J	1600	1100	J	1600	ND	U	16000	ND	U	16000
	FREON 113	ND	U	40	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000
	HEPTANE	140	N/A	40	80000	N/A	8000	190000	N/A	8000	850000	N/A	20000	12000	N/A	400	16000	N/A	800	18000	N/A	800	19000	N/A	800	20000	N/A	800	18000	N/A	8000	56000	N/A	8000
	HEXACHLOROBUTADIENE	ND	U	80	ND	U	16000	ND	U	16000	ND	U	40000	ND	U	800	ND	U	1600	ND	U	1600	ND	U	1600	ND	U	1600	ND	U	16000	ND	U	16000
	HEXANE	880	N/A	80	240000	N/A	16000	390000	N/A	16000	1400000	N/A	80000	16000	N/A	800	15000	N/A	1600	26000	N/A	1600	17000	N/A	1600	22000	N/A	1600	36000	N/A	16000	130000	N/A	16000
	M,P-XYLENES	75	J	80	ND	U	16000	16000	N/A	16000	45000	N/A	40000	1900	N/A	800	3000	N/A	1600	2400	N/A	1600	3200	N/A	1600	3100	N/A	1600	ND	U	16000	11000	J	16000
	METHYL TERT-BUTYL ETHER	ND	U	40	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000
	METHYLENE CHLORIDE	ND	U	200	ND	U	40000	ND	U	40000	ND	U	100000	1100	J	2000	ND	U	4000	ND	U	4000	ND	U	4000	ND	U	4000	ND	U	40000	ND	U	40000
	NAPHTHALENE	ND	U	40	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000
	O-XYLENE	ND	U	40	ND	U	8000	ND	U	8000	ND	U	20000	480	N/A	400	820	N/A	800	ND	U	800	810	N/A	800	800	N/A	800	ND	U	8000	ND	U	8000
	PROPYLENE	120	N/A	40	18000	N/A	8000	23000	N/A	8000	65000	N/A	20000	600	N/A	400	1300	N/A	800	1200	N/A	800	1900	N/A	800	2100	N/A	800	26000	N/A	8000	24000	N/A	8000
	STYRENE	ND	U	40	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000
	TETRACHLOROETHENE	ND	U	40	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000
	THF	ND	U	40	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	400	ND	U	800	7800	N/A	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000
	TOLUENE	790	N/A	40	95000	N/A	8000	380000	N/A	8000	980000	N/A	40000	17000	N/A	400	24000	N/A	800	21000	N/A	800	30000	N/A	800	30000	N/A	800	37000	N/A	8000	140000	N/A	8000
	TRANS-1,2-DICHLOROETHENE	ND	U	40	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000
	TRANS-1,3-DICHLOROPROPENE	ND	U	40	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000
	TRICHLOROETHENE	ND	U	40	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000
	TRICHLOROFLUOROMETHANE	ND	U	40	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000
	VINYL ACETATE	ND	U	40	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000
	VINYL CHLORIDE	ND	U	40	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000
	XYLENES	75	J	120	ND	U	24000	16000	J	24000	45000	J	60000	2400	N/A	1200	3800	N/A	2400	2400	N/A	2400	4000	N/A	2400	3900	N/A	2400	ND	U	24000	11000	J	24000
FIXED GASES Method D2504 (Percent)	CARBON DIOXIDE	0.1	N/A	0.1	0.086	J	0.1	0.1	N/A	0.1	1.3	N/A	0.1	0.044	J	0.1	0.045	J	0.1	0.056	J	0.1	0.05	J	0.1	0.049	J	0.1	0.4	N/A	0.1	0.044	J	0.1
	CARBON MONOXIDE	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	ND	U	0.1	ND	U	0.1
	METHANE	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5
	NITROGEN	78	N/A	0.1	78	N/A	0.1	78	N/A	0.1	79	N/A	0.1	79	N/A	0.1	79	N/A	0.1	79	N/A	0.1	79	N/A	0.1	78	N/A	0.1	81	N/A	0.1	78	N/A	0.1
	OXYGEN	21	N/A	0.1	21	N/A	0.1	21	N/A	0.1	17	N/A	0.1	21	N/A	0.1	21	N/A	0.1	21	N/A	0.1	21	N/A	0.1	21	N/A	0.1	19	N/A	0.1	21	N/A	0.1

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

Shading indicates the analyte was detected.

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

J+ = estimated value, concentration is less than PQL but greater than laboratory MDL; biased high.

J- = estimated value, concentration is less than PQL but greater than laboratory MDL; biased low.

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

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

N/A = Not applicable.

ND = Not detected.

NM = Not measured due to sample receipt condition or analyzed on initial sample.

R = Sample data rejected, data unusable

RL = Reporting Limit.

Table 4-2
Soil Vapor Analytical Results
January - March 2012

	LOCATION CODE	KAFB-106114-025			KAFB-106114-050			KAFB-106114-150			KAFB-106114-250			KAFB-106114-350			KAFB-106114-350			KAFB-106114-450			KAFB-106115-025			KAFB-106115-050			KAFB-106115-150			KAFB-106115-250		
	SAMPLE NO	VA1124			VA1125			VA1126			VA1127			VA1128			VA1129			VA1130			VA1131			VA1132			VA1133			VA1134		
	SAMPLE DATE	19-Mar-12			19-Mar-12			19-Mar-12			20-Mar-12			20-Mar-12			20-Mar-12			20-Mar-12			19-Jan-12			19-Jan-12			19-Jan-12			19-Jan-12		
	SAMPLE PURPOSE	REG			REG			REG			REG			REG			FD			REG			REG			REG			REG			REG		
	SAMPLE DEPTH	15-25 FT			40-50 FT			140-150 FT			235-245 FT			340-350 FT			340-350 FT			440-450 FT			15-25 FT			40-50 FT			145-155 FT			240-250 FT		
Chemical Class & Analytical Method[a]	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	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
TPH (ug/m3) Method MADEP APH	C5-C8 ALIPHATIC HYDROCARBONS	47000	N/A	23000	16000	N/A	4700	7300	N/A	940	180000	N/A	94000	1400000	N/A	190000	1200000	N/A	94000	1.9E+07	N/A	2300000	880000	N/A	94000	630000	N/A	94000	180000	N/A	47000	480000	N/A	94000
	C9-C10 AROMATIC HYDROCARBONS	ND	U	27000	ND	U	5300	ND	U	1100	ND	U	110000	ND	U	210000	ND	U	110000	ND	U	2700000	ND	U	110000	ND	U	110000	ND	U	53000	ND	U	110000
	C9-C12 ALIPHATIC HYDROCARBONS	ND	U	38000	ND	U	7600	860	J	1500	ND	U	150000	ND	U	300000	ND	U	150000	ND	U	3800000	30000	J	150000	30000	J	150000	ND	U	76000	ND	U	150000
VOCs (ppbv) Method TO15	1,1,1-TRICHLOROETHANE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800
	1,1,2,2-TETRACHLOROETHANE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800
	1,1,2-TRICHLOROETHANE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800
	1,1-DICHLOROETHANE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800
	1,1-DICHLOROETHENE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800
	1,2,4-TRICHLOROBENZENE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800
	1,2,4-TRIMETHYLBENZENE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	20000	ND	U	800	ND	U	800	100	N/A	40	ND	U	800
	1,2-DIBROMOETHANE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800
	1,2-DICHLOROBENZENE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800
	1,2-DICHLOROETHANE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800
	1,2-DICHLOROPROPANE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800
	1,3,5-TRIMETHYLBENZENE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	20000	ND	U	800	ND	U	800	50	N/A	40	ND	U	800
	1,3-DICHLOROBENZENE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800
	1,4-DICHLOROBENZENE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800
	2-BUTANONE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800
	2-HEXANONE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800
	4-METHYL-2-PENTANONE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800
	ACETONE	ND	U	40	ND	U	40	ND	U	40	620	N/A	400	ND	U	800	ND	U	800	ND	U	20000	1000	N/A	800	ND	U	800	ND	U	40	1200	N/A	800
	BENZENE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	22000	N/A	800	14000	N/A	800	250000	N/A	20000	6900	N/A	800	2400	N/A	800	3700	N/A	400	2700	N/A	800
	BENZENE, (CHLOROMETHYL)-	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800
	BROMODICHLOROMETHANE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800
	BROMOFORM	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800
	BROMOMETHANE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800
	CARBON DISULFIDE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800
	CARBON TETRACHLORIDE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800
	CHLOROBENZENE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800
	CHLOROETHANE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800
	CHLOROFORM	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800
	CHLOROMETHANE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800
	CIS-1,2-DICHLOROETHENE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800
	CIS-1,3-DICHLOROPROPENE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800
	CYCLOHEXANE	ND	U	80	530	N/A	80	ND	U	80	2000	N/A	800	21000	N/A	1600	15000	N/A	1600	650000	N/A	40000	10000	N/A	1600	3700	N/A	1600	5800	N/A	800	4700	N/A	1600
	DIBROMOCHLOROMETHANE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800
	DICHLORODIFLUOROMETHANE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800
	ERYTHRENE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800
	ETHYL ACETATE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800
	ETHYLBENZENE	ND	U	80	ND	U	80	ND	U	80	ND	U	800	ND	U	1600	ND	U	1600	ND	U	40000	850	J	1600	ND	U	1600	770	N/A	80	ND	U	1600
	FREON 113	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800
	HEPTANE	250	N/A	40	210	N/A	40	200	N/A	40	400	N/A	400	4800	N/A	800	3200	N/A	800	460000	N/A	20000	8900	N/A	800	3600	N/A	800	5300	N/A	400	3700	N/A	800
	HEXACHLOROBUTADIENE	ND	U	80	ND	U	80	ND	U	80	ND	U	800	ND	U	1600	ND	U	1600	ND	U	40000	ND	U	1600	ND	U	1600	ND	U	80	ND	U	1600
	HEXANE	ND	U	80	ND	U	80	ND	U	80	ND	U	800	15000	N/A	1600	10000	N/A	1600	620000	N/A	40000	8000	N/A	1600	2800	N/A	1600	4600	N/A	800	4000	N/A	1600
	M,P-XYLENES	100	N/A	80	110	N/A	80	110	N/A	80	ND	U	800	860	J	1600	ND	U	1600	34000	J	40000	2200	N/A	1600	940	J	1600	1900	N/A	80	1100	J	1600
	METHYL TERT-BUTYL ETHER	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800
	METHYLENE CHLORIDE	ND	U	200	ND	U	200	ND	U	200	ND	U	2000	ND	U	4000	ND	U	4000	ND	U	100000	ND	U	4000	ND	U	4000	ND	U	200	ND	U	4000
	NAPHTHALENE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800
	O-XYLENE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	20000	ND	U	800	ND	U	800	520	N/A	40	ND	U	800
	PROPYLENE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	1800	N/A	800	1100	N/A	800	ND	U	20000	2100	N/A	800	2000	N/A	800	120	N/A	40	2100	N/A	800
	STYRENE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800
	TETRACHLOROETHENE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800
	THF	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800
	TOLUENE	620	N/A	40	640	N/A	40	640	N/A	40	1400	N/A	400	16000	N/A	800	11000	N/A	800	400000	N/A	20000	19000	N/A	800	6300	N/A	800	11000	N/A	400	5800	N/A	800
	TRANS-1,2-DICHLOROETHENE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800
	TRANS-1,3-DICHLOROPROPENE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800
	TRICHLOROETHENE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800
	TRICHLOROFLUOROMETHANE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800
	VINYL ACETATE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800
	VINYL CHLORIDE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800
	XYLENES	100	J	120	110	J	120	110	J	120	ND	U	1200	860	J	2400	ND	U	2400	34000	J	60000	2200	J	2400	940	J	2400	2400	N/A	120	1100	J	2400
FIXED GASES Method D2504 (Percent)	CARBON DIOXIDE	0.42	N/A	0.1	0.53	N/A	0.1	0.55	N/A	0.1	2.3	N/A	0.1	0.39	N/A	0.1	0.13	N/A	0.1	0.24	N/A	0.1	0.049	J	0.1	0.45	N/A	0.1	0.062	J	0.1	0.058	J	0.1
	CARBON MONOXIDE	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	ND	U	0.1	ND	U	0.1
	METHANE	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5
	NITROGEN	79	N/A	0.1	80	N/A	0.1	79	N/A	0.1	81	N/A	0.1	80	N/A	0.1	79	N/A	0.1	79	N/A	0.1	78	N/A	0.1	79	N/A	0.1	80	N/A	0.1	79	N/A	0.1
	OXYGEN	20	N/A	0.1	19	N/A	0.1	19	N/A	0.1	16	N/A	0.1	19	N/A	0.1	20	N/A	0.1	20	N/A	0.1	21	N/A	0.1	20	N/A	0.1	21	N/A	0.1	21	N/A	0.1

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

Shading indicates the analyte was detected.

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

J+ = estimated value, concentration is less than PQL but greater than laboratory MDL; biased high.

J- = estimated value, concentration is less than PQL but greater than laboratory MDL; biased low.

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

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

N/A = Not applicable.

ND = Not detected.

NM = Not measured due to sample receipt condition or analyzed on initial sample.

R = Sample data rejected, data unusable

RL = Reporting Limit.

Table 4-2
Soil Vapor Analytical Results
January - March 2012

	LOCATION CODE	KAFB-106115-350			KAFB-106115-450			KAFB-106116-025			KAFB-106116-050			KAFB-106116-050			KAFB-106116-150			KAFB-106116-250			KAFB-106116-350			KAFB-106116-450			KAFB-106117-025			KAFB-106117-050		
	SAMPLE NO	VA1135			VA1136			VA1137			VA1138			VA1139			VA1140			VA1141			VA1142			VA1143			VA1144			VA1145		
	SAMPLE DATE	19-Jan-12			20-Jan-12			19-Mar-12			19-Mar-12			19-Mar-12			20-Mar-12			20-Mar-12			20-Mar-12			20-Mar-12			12-Jan-12			12-Jan-12		
	SAMPLE PURPOSE	REG			REG			REG			REG			FD			REG			REG			REG			REG			REG			REG		
	SAMPLE DEPTH	340-350 FT			440-450 Ft			10-19 FT			40-50 FT			40-50 FT			140-149 FT			240-249 FT			340-349 FT			440-449 FT			15-25 Ft			40-50 Ft		
Chemical Class & Analytical Method[a]	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	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
TPH (ug/m3) Method MADEP APH	C5-C8 ALIPHATIC HYDROCARBONS	6600000	N/A	940000	1.1E+07	N/A	940000	750000	N/A	47000	770000	N/A	94000	1300000	N/A	94000	290000	N/A	94000	8600000	N/A	940000	1.5E+07	N/A	2300000	6.6E+07	N/A	4700000	560000	N/A	94000	3100000	N/A	940000
	C9-C10 AROMATIC HYDROCARBONS	ND	U	1100000	ND	U	1100000	ND	U	53000	ND	U	110000	ND	U	110000	ND	U	110000	ND	U	1100000	ND	U	2700000	ND	U	5300000	ND	U	110000	ND	U	1100000
	C9-C12 ALIPHATIC HYDROCARBONS	ND	U	1500000	ND	U	1500000	ND	U	76000	120000	J	150000	59000	J	150000	ND	U	150000	ND	U	1500000	ND	U	3800000	ND	U	7600000	ND	U	150000	ND	U	1500000
VOCs (ppbv) Method TO15	1,1,1-TRICHLOROETHANE	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	800	ND	U	8000
	1,1,2,2-TETRACHLOROETHANE	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	800	ND	U	8000
	1,1,2-TRICHLOROETHANE	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	800	ND	U	8000
	1,1-DICHLOROETHANE	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	800	ND	U	8000
	1,1-DICHLOROETHENE	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	800	ND	U	8000
	1,2,4-TRICHLOROBENZENE	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	800	ND	U	8000
	1,2,4-TRIMETHYLBENZENE	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	800	ND	U	8000
	1,2-DIBROMOETHANE	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	800	ND	U	8000
	1,2-DICHLOROBENZENE	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	800	ND	U	8000
	1,2-DICHLOROETHANE	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	800	ND	U	8000
	1,2-DICHLOROPROPANE	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	800	ND	U	8000
	1,3,5-TRIMETHYLBENZENE	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	800	ND	U	8000
	1,3-DICHLOROBENZENE	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	800	ND	U	8000
	1,4-DICHLOROBENZENE	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	800	ND	U	8000
	2-BUTANONE	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	800	ND	U	8000
	2-HEXANONE	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	800	ND	U	8000
	4-METHYL-2-PENTANONE	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	800	ND	U	8000
	ACETONE	ND	U	800	ND	U	8000	970	N/A	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	800	ND	U	8000
	BENZENE	2800	N/A	800	ND	U	8000	20000	N/A	800	5700	N/A	800	9300	N/A	800	2700	N/A	800	96000	N/A	8000	170000	N/A	20000	810000	N/A	20000	13000	N/A	800	35000	N/A	8000
	BENZENE, (CHLOROMETHYL)-	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	800	ND	U	8000
	BROMODICHLOROMETHANE	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	800	ND	U	8000
	BROMOFORM	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	800	ND	U	8000
	BROMOMETHANE	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	800	ND	U	8000
	CARBON DISULFIDE	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	800	ND	U	8000
	CARBON TETRACHLORIDE	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	800	ND	U	8000
	CHLOROBENZENE	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	800	ND	U	8000
	CHLOROETHANE	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	800	ND	U	8000
	CHLOROFORM	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	800	ND	U	8000
	CHLOROMETHANE	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	800	ND	U	8000
	CIS-1,2-DICHLOROETHENE	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	800	ND	U	8000
	CIS-1,3-DICHLOROPROPENE	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	800	ND	U	8000
	CYCLOHEXANE	11000	N/A	1600	23000	N/A	16000	41000	N/A	16000	12000	N/A	1600	23000	N/A	1600	5600	N/A	1600	320000	N/A	16000	390000	N/A	40000	2400000	N/A	160000	19000	N/A	1600	110000	N/A	16000
	DIBROMOCHLOROMETHANE	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	800	ND	U	8000
	DICHLORODIFLUOROMETHANE	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	800	ND	U	8000
	ERYTHRENE	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	800	ND	U	8000
	ETHYL ACETATE	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	800	ND	U	8000
	ETHYLBENZENE	ND	U	1600	ND	U	16000	1300	J	1600	1600	N/A	1600	2200	N/A	1600	ND	U	1600	ND	U	16000	ND	U	40000	ND	U	40000	1300	J	1600	ND	U	16000
	FREON 113	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	800	ND	U	8000
	HEPTANE	4600	N/A	800	ND	U	8000	21000	N/A	800	15000	N/A	800	24000	N/A	800	5600	N/A	800	180000	N/A	8000	160000	N/A	20000	910000	N/A	20000	15000	N/A	800	34000	N/A	8000
	HEXACHLOROBUTADIENE	ND	U	1600	ND	U	16000	ND	U	1600	ND	U	1600	ND	U	1600	ND	U	1600	ND	U	16000	ND	U	40000	ND	U	40000	ND	U	1600	ND	U	16000
	HEXANE	7900	N/A	1600	25000	N/A	16000	31000	N/A	1600	6100	N/A	1600	11000	N/A	1600	3200	N/A	1600	250000	N/A	16000	330000	N/A	40000	2600000	N/A	160000	14000	N/A	1600	82000	N/A	16000
	M,P-XYLENES	1100	J	1600	ND	U	16000	3300	N/A	1600	4200	N/A	1600	5600	N/A	1600	1600	N/A	1600	10000	J	16000	ND	U	40000	48000	N/A	40000	3900	N/A	1600	ND	U	16000
	METHYL TERT-BUTYL ETHER	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	800	ND	U	8000
	METHYLENE CHLORIDE	ND	U	4000	ND	U	40000	ND	U	4000	ND	U	4000	ND	U	4000	ND	U	4000	ND	U	40000	ND	U	100000	ND	U	100000	ND	U	4000	ND	U	40000
	NAPHTHALENE	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	800	ND	U	8000
	O-XYLENE	ND	U	800	ND	U	8000	900	N/A	800	1300	N/A	800	1700	N/A	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	1000	N/A	800	ND	U	8000
	PROPYLENE	4500	N/A	800	25000	N/A	8000	1300	N/A	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	30000	N/A	20000	1400	N/A	800	16000	N/A	8000
	STYRENE	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	800	ND	U	8000
	TETRACHLOROETHENE	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	800	ND	U	8000
	THF	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	800	ND	U	8000
	TOLUENE	7200	N/A	800	13000	N/A	8000	35000	N/A	800	26000	N/A	800	35000	N/A	800	10000	N/A	800	150000	N/A	8000	170000	N/A	20000	870000	N/A	20000	24000	N/A	8000	55000	N/A	8000
	TRANS-1,2-DICHLOROETHENE	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	800	ND	U	8000
	TRANS-1,3-DICHLOROPROPENE	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	800	ND	U	8000
	TRICHLOROETHENE	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	800	ND	U	8000
	TRICHLOROFLUOROMETHANE	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	800	ND	U	8000
	VINYL ACETATE	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	800	ND	U	8000
	VINYL CHLORIDE	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	800	ND	U	8000
	XYLENES	1100	J	2400	ND	U	24000	4200	N/A	2400	5500	N/A	2400	7300	N/A	2400	1600	J	2400	10000	J	24000	ND	U	60000	48000	J	60000	4900	N/A	2400	ND	U	24000
FIXED GASES Method D2504 (Percent)	CARBON DIOXIDE	0.047	J	0.1	0.046	J	0.1	0.14	N/A	0.1	0.37	N/A	0.1	0.94	N/A	0.1	0.53	N/A	0.1	0.61	N/A	0.1	0.78	N/A	0.1	1.2	N/A	0.1	0.67	N/A	0.1	2.7	N/A	0.1
	CARBON MONOXIDE	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	ND	U	0.1	ND	U	0.1
	METHANE	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5
	NITROGEN	79	N/A	0.1	78	N/A	0.1	79	N/A	0.1	79	N/A	0.1	81	N/A	0.1	81	N/A	0.1	81	N/A	0.1	81	N/A	0.1	81	N/A	0.1	78	N/A	0.1	80	N/A	0.1
	OXYGEN	21	N/A	0.1	21	N/A	0.1	21	N/A	0.1	20	N/A	0.1	18	N/A	0.1	18	N/A	0.1	18	N/A	0.1	18	N/A	0.1	17	N/A	0.1	20	N/A	0.1	16	N/A	0.1

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

Shading indicates the analyte was detected.

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

J+ = estimated value, concentration is less than PQL but greater than laboratory MDL; biased high.

J- = estimated value, concentration is less than PQL but greater than laboratory MDL; biased low.

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

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

N/A = Not applicable.

ND = Not detected.

NM = Not measured due to sample receipt condition or analyzed on initial sample.

R = Sample data rejected, data unusable

RL = Reporting Limit.

Table 4-2
Soil Vapor Analytical Results
January - March 2012

	LOCATION CODE	KAFB-106117-150			KAFB-106117-250			KAFB-106117-350			KAFB-106117-350			KAFB-106117-450			KAFB-106118-025			KAFB-106118-050			KAFB-106118-160			KAFB-106118-265			KAFB-106118-350			KAFB-106118-450		
	SAMPLE NO	VA1146			VA1147			VA1148			VA1149			VA1150			VA1151			VA1152			VA1153			VA1154			VA1155			VA1156		
	SAMPLE DATE	18-Jan-12			18-Jan-12			18-Jan-12			18-Jan-12			18-Jan-12			20-Mar-12			20-Mar-12			20-Mar-12			20-Mar-12			22-Mar-12			22-Mar-12		
	SAMPLE PURPOSE	REG			REG			REG			FD			REG			REG			REG			REG			REG			REG			REG		
	SAMPLE DEPTH	140-150 FT			240-250 FT			340-350 FT			340-350 FT			440-450 FT			15-25 FT			40-50 FT			150-160 FT			255-265 FT			340-350 FT			440-450 FT		
Chemical Class & Analytical Method[a]	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	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
TPH (ug/m3)	C5-C8 ALIPHATIC HYDROCARBONS	550000	N/A	94000	8200000	N/A	2300000	3.9E+07	N/A	2300000	3.1E+07	N/A	2300000	7.9E+07	N/A	4700000	3700000	N/A	940000	2600000	N/A	940000	2200000	N/A	940000	5000000	N/A	940000	900000	N/A	94000	870000	N/A	94000
Method MADEP	C9-C10 AROMATIC HYDROCARBONS	ND	U	110000	ND	U	2700000	ND	U	2700000	ND	U	2700000	ND	U	5300000	ND	U	1100000	ND	U	1100000	ND	U	1100000	ND	U	1100000	ND	U	110000	ND	U	110000
APH	C9-C12 ALIPHATIC HYDROCARBONS	ND	U	150000	ND	U	3800000	ND	U	3800000	ND	U	3800000	ND	U	7600000	ND	U	1500000	ND	U	1500000	ND	U	1500000	ND	U	1500000	ND	U	150000	ND	U	150000
VOCs (ppbv)	1,1,1-TRICHLOROETHANE	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800
Method TO15	1,1,2,2-TETRACHLOROETHANE	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800
	1,1,2-TRICHLOROETHANE	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800
	1,1-DICHLOROETHANE	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800
	1,1-DICHLOROETHENE	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800
	1,2,4-TRICHLOROBENZENE	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800
	1,2,4-TRIMETHYLBENZENE	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800
	1,2-DIBROMOETHANE	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800
	1,2-DICHLOROBENZENE	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800
	1,2-DICHLOROETHANE	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800
	1,2-DICHLOROPROPANE	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800
	1,3,5-TRIMETHYLBENZENE	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800
	1,3-DICHLOROBENZENE	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800
	1,4-DICHLOROBENZENE	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800
	2-BUTANONE	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800
	2-HEXANONE	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800
	4-METHYL-2-PENTANONE	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800
	ACETONE	1200	N/A	800	ND	U	8000	ND	U	20000	ND	U	20000	36000	N/A	20000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	11000	N/A	800	2100	N/A	800
	BENZENE	7700	N/A	800	290000	N/A	8000	710000	N/A	20000	690000	N/A	20000	960000	N/A	40000	71000	N/A	8000	43000	N/A	8000	30000	N/A	8000	140000	N/A	8000	7600	N/A	800	6300	N/A	800
	BENZENE, (CHLOROMETHYL)-	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800
	BROMODICHLOROMETHANE	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800
	BROMOFORM	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800
	BROMOMETHANE	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800
	CARBON DISULFIDE	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800
	CARBON TETRACHLORIDE	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800
	CHLOROBENZENE	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800
	CHLOROETHANE	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800
	CHLOROFORM	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800
	CHLOROMETHANE	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800
	CIS-1,2-DICHLOROETHENE	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800
	CIS-1,3-DICHLOROPROPENE	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800
	CYCLOHEXANE	23000	N/A	1600	350000	N/A	40000	1800000	N/A	80000	1600000	N/A	80000	2200000	N/A	160000	150000	N/A	16000	93000	N/A	16000	64000	N/A	16000	97000	N/A	16000	15000	N/A	1600	9900	N/A	1600
	DIBROMOCHLOROMETHANE	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800
	DICHLORODIFLUOROMETHANE	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800
	ERYTHRENE	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800
	ETHYL ACETATE	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800
	ETHYLBENZENE	ND	U	1600	11000	J	16000	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	16000	ND	U	16000	ND	U	16000	8200	J	16000	1500	J	1600	1500	J	1600
	FREON 113	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800
	HEPTANE	6200	N/A	800	380000	N/A	8000	1000000	N/A	40000	930000	N/A	40000	1300000	N/A	40000	130000	N/A	8000	83000	N/A	8000	62000	N/A	8000	67000	N/A	8000	11000	N/A	800	7300	N/A	800
	HEXACHLOROBUTADIENE	ND	U	1600	ND	U	16000	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	16000	ND	U	16000	ND	U	16000	ND	U	16000	ND	U	1600	ND	U	1600
	HEXANE	12000	N/A	1600	300000	N/A	40000	1700000	N/A	80000	1500000	N/A	80000	3100000	N/A	160000	120000	N/A	16000	77000	N/A	16000	46000	N/A	16000	74000	N/A	16000	9200	N/A	1600	6900	N/A	1600
	M,P-XYLENES	1100	J	1600	24000	N/A	16000	32000	J	40000	39000	J	40000	32000	J	40000	17000	N/A	16000	12000	J	16000	9000	J	16000	19000	N/A	16000	3700	N/A	1600	3800	N/A	1600
	METHYL TERT-BUTYL ETHER	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800
	METHYLENE CHLORIDE	ND	U	4000	ND	U	40000	ND	U	100000	ND	U	100000	ND	U	100000	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	4000	ND	U	4000
	NAPHTHALENE	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800
	O-XYLENE	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	1100	N/A	800	1100	N/A	800
	PROPYLENE	1200	N/A	800	17000	N/A	8000	42000	N/A	20000	40000	N/A	20000	63000	N/A	20000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800
	STYRENE	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800
	TETRACHLOROETHENE	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800
	THF	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800
	TOLUENE	11000	N/A	800	390000	N/A	8000	860000	N/A	20000	930000	N/A	20000	740000	N/A	40000	150000	N/A	8000	99000	N/A	8000	72000	N/A	8000	340000	N/A	8000	25000	N/A	800	30000	N/A	800
	TRANS-1,2-DICHLOROETHENE	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800
	TRANS-1,3-DICHLOROPROPENE	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800
	TRICHLOROETHENE	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800
	TRICHLOROFLUOROMETHANE	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800
	VINYL ACETATE	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800
	VINYL CHLORIDE	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800
	XYLENES	1100	J	2400	24000	N/A	24000	32000	J	60000	39000	J	60000	32000	J	60000	17000	J	24000	12000	J	24000	9000	J	24000	19000	J	24000	4800	N/A	2400	4800	N/A	2400
FIXED GASES	CARBON DIOXIDE	0.046	J	0.1	0.045	J	0.1	0.078	J	0.1	0.047	J	0.1	1.6	N/A	0.1	0.66	N/A	0.1	0.62	N/A	0.1	0.08	J	0.1	0.53	N/A	0.1	0.19	N/A	0.1	0.41	N/A	0.1
Method D2504	CARBON MONOXIDE	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	ND	U	0.1	ND	U	0.1
(Percent)	METHANE	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5
	NITROGEN	79	N/A	0.1	78	N/A	0.1	79	N/A	0.1	79	N/A	0.1	82	N/A	0.1	79	N/A	0.1	79	N/A	0.1	79	N/A	0.1	82	N/A	0.1	80	N/A	0.1	80	N/A	0.1
	OXYGEN	21	N/A	0.1	21	N/A	0.1	21	N/A	0.1	21	N/A	0.1	15	N/A	0.1	20	N/A	0.1	20	N/A	0.1	21	N/A	0.1	17	N/A	0.1	20	N/A	0.1	20	N/A	0.1

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

Shading indicates the analyte was detected.

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

J+ = estimated value, concentration is less than PQL but greater than laboratory MDL; biased high.

J- = estimated value, concentration is less than PQL but greater than laboratory MDL; biased low.

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

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

N/A = Not applicable.

ND = Not detected.

NM = Not measured due to sample receipt condition or analyzed on initial sample.

R = Sample data rejected, data unusable

RL = Reporting Limit.

Table 4-2
Soil Vapor Analytical Results
January - March 2012

	LOCATION CODE	KAFB-106119-025			KAFB-106119-050			KAFB-106119-150			KAFB-106119-150			KAFB-106119-250			KAFB-106119-350			KAFB-106119-450			KAFB-106120-025			KAFB-106120-050			KAFB-106120-150			KAFB-106120-250		
	SAMPLE NO	VA1157			VA1158			VA1159			VA1160			VA1161			VA1162			VA1163			VA1164			VA1165			VA1166			VA1167		
	SAMPLE DATE	20-Mar-12			20-Mar-12			20-Mar-12			20-Mar-12			20-Mar-12			20-Mar-12			20-Mar-12			20-Jan-12			20-Jan-12			20-Jan-12			20-Jan-12		
	SAMPLE PURPOSE	REG			REG			REG			FD			REG			REG			REG			REG			REG			REG			REG		
	SAMPLE DEPTH	15-25 FT			40-50 FT			140-150 FT			140-150 FT			240-250 FT			340-350 FT			440-450 FT			15-25 Ft			40-50 Ft			140-150 Ft			240-250 Ft		
Chemical Class & Analytical Method[a]	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	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
TPH (ug/m3)	C5-C8 ALIPHATIC HYDROCARBONS	1000000	N/A	94000	540000	N/A	94000	500000	N/A	94000	570000	N/A	94000	4200000	N/A	2300000	5400000	N/A	2300000	1.5E+07	N/A	4700000	220000	N/A	23000	99000	N/A	47000	140000	N/A	23000	62000	N/A	4700
Method MADEP	C9-C10 AROMATIC HYDROCARBONS	ND	U	110000	ND	U	110000	ND	U	110000	ND	U	110000	ND	U	2700000	ND	U	2700000	ND	U	5300000	ND	U	27000	ND	U	53000	ND	U	27000	ND	U	5300
APH	C9-C12 ALIPHATIC HYDROCARBONS	52000	J	150000	ND	U	150000	ND	U	150000	ND	U	150000	ND	U	3800000	ND	U	3800000	ND	U	7600000	ND	U	38000	ND	U	76000	ND	U	38000	ND	U	7600
VOCs (ppbv)	1,1,1-TRICHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	200	ND	U	400	ND	U	200	ND	U	40
Method TO15	1,1,2,2-TETRACHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	200	ND	U	400	ND	U	200	ND	U	40
	1,1,2-TRICHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	200	ND	U	400	ND	U	200	ND	U	40
	1,1-DICHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	200	ND	U	400	ND	U	200	ND	U	40
	1,1-DICHLOROETHENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	200	ND	U	400	ND	U	200	ND	U	40
	1,2,4-TRICHLOROBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	200	ND	U	400	ND	U	200	ND	U	40
	1,2,4-TRIMETHYLBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	200	ND	U	400	ND	U	200	ND	U	40
	1,2-DIBROMOETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	200	ND	U	400	ND	U	200	ND	U	40
	1,2-DICHLOROBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	200	ND	U	400	ND	U	200	ND	U	40
	1,2-DICHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	200	ND	U	400	ND	U	200	ND	U	40
	1,2-DICHLOROPROPANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	200	ND	U	400	ND	U	200	ND	U	40
	1,3,5-TRIMETHYLBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	200	ND	U	400	ND	U	200	ND	U	40
	1,3-DICHLOROBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	200	ND	U	400	ND	U	200	ND	U	40
	1,4-DICHLOROBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	200	ND	U	400	ND	U	200	ND	U	40
	2-BUTANONE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	200	ND	U	400	ND	U	200	ND	U	40
	2-HEXANONE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	200	ND	U	400	ND	U	200	ND	U	40
	4-METHYL-2-PENTANONE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	200	ND	U	400	ND	U	200	ND	U	40
	ACETONE	ND	U	800	ND	U	800	ND	U	800	860	N/A	800	ND	U	8000	ND	U	20000	ND	U	20000	520	N/A	200	900	N/A	400	ND	U	200	ND	U	40
	BENZENE	11000	N/A	800	6500	N/A	800	5500	N/A	800	6000	N/A	800	30000	N/A	8000	60000	N/A	20000	120000	N/A	20000	2300	N/A	200	3300	N/A	400	1700	N/A	200	750	N/A	40
	BENZENE, (CHLOROMETHYL)-	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	200	ND	U	400	ND	U	200	ND	U	40
	BROMODICHLOROMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	200	ND	U	400	ND	U	200	ND	U	40
	BROMOFORM	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	200	ND	U	400	ND	U	200	ND	U	40
	BROMOMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	200	ND	U	400	ND	U	200	ND	U	40
	CARBON DISULFIDE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	200	ND	U	400	ND	U	200	ND	U	40
	CARBON TETRACHLORIDE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	200	ND	U	400	ND	U	200	ND	U	40
	CHLOROBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	200	ND	U	400	ND	U	200	ND	U	40
	CHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	200	ND	U	400	ND	U	200	ND	U	40
	CHLOROFORM	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	200	ND	U	400	ND	U	200	ND	U	40
	CHLOROMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	200	ND	U	400	ND	U	200	ND	U	40
	CIS-1,2-DICHLOROETHENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	200	ND	U	400	ND	U	200	ND	U	40
	CIS-1,3-DICHLOROPROPENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	200	ND	U	400	ND	U	200	ND	U	40
	CYCLOHEXANE	18000	N/A	1600	9100	N/A	1600	9400	N/A	1600	11000	N/A	1600	82000	N/A	16000	130000	N/A	40000	430000	N/A	40000	2500	N/A	400	10000	N/A	800	2500	N/A	400	1300	N/A	80
	DIBROMOCHLOROMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	200	ND	U	400	ND	U	200	ND	U	40
	DICHLORODIFLUOROMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	200	ND	U	400	ND	U	200	ND	U	40
	ERYTHRENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	200	ND	U	400	ND	U	200	ND	U	40
	ETHYL ACETATE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	200	ND	U	400	ND	U	200	ND	U	40
	ETHYLBENZENE	1500	J	1600	1400	J	1600	1200	J	1600	1300	J	1600	ND	U	16000	ND	U	40000	ND	U	40000	ND	U	400	430	J	800	ND	U	400	63	J	80
	FREON 113	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	200	ND	U	400	ND	U	200	ND	U	40
	HEPTANE	18000	N/A	800	14000	N/A	800	12000	N/A	800	14000	N/A	800	43000	N/A	8000	83000	N/A	20000	100000	N/A	20000	1600	N/A	200	5400	N/A	400	2200	N/A	200	1300	N/A	40
	HEXACHLOROBUTADIENE	ND	U	1600	ND	U	1600	ND	U	1600	ND	U	1600	ND	U	16000	ND	U	40000	ND	U	40000	ND	U	400	ND	U	800	ND	U	400	ND	U	80
	HEXANE	13000	N/A	1600	7500	N/A	1600	7600	N/A	1600	8200	N/A	1600	75000	N/A	16000	91000	N/A	40000	140000	N/A	40000	2000	N/A	400	7300	N/A	800	1500	N/A	400	680	N/A	80
	M,P-XYLENES	4600	N/A	1600	4300	N/A	1600	3600	N/A	1600	4000	N/A	1600	ND	U	16000	ND	U	40000	ND	U	40000	310	J	400	1100	N/A	800	300	J	400	150	N/A	80
	METHYL TERT-BUTYL ETHER	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	200	ND	U	400	ND	U	200	ND	U	40
	METHYLENE CHLORIDE	ND	U	4000	ND	U	4000	ND	U	4000	ND	U	4000	ND	U	40000	ND	U	100000	ND	U	100000	990	J	1000	1200	J	2000	600	J	1000	ND	U	200
	NAPHTHALENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	200	ND	U	400	ND	U	200	ND	U	40
	O-XYLENE	1200	N/A	800	1100	N/A	800	940	N/A	800	1100	N/A	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	200	ND	U	400	ND	U	200	ND	U	40
	PROPYLENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	630	N/A	200	2900	N/A	400	400	N/A	200	140	N/A	40
	STYRENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	200	ND	U	400	ND	U	200	ND	U	40
	TETRACHLOROETHENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	200	ND	U	400	ND	U	200	ND	U	40
	THF	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	200	ND	U	400	ND	U	200	ND	U	40
	TOLUENE	29000	N/A	800	24000	N/A	800	20000	N/A	800	22000	N/A	800	50000	N/A	8000	120000	N/A	20000	160000	N/A	20000	4900	N/A	200	10000	N/A	400	4400	N/A	200	1600	N/A	400
	TRANS-1,2-DICHLOROETHENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	200	ND	U	400	ND	U	200	ND	U	40
	TRANS-1,3-DICHLOROPROPENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	200	ND	U	400	ND	U	200	ND	U	40
	TRICHLOROETHENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	200	ND	U	400	ND	U	200	ND	U	40
	TRICHLOROFLUOROMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	200	ND	U	400	ND	U	200	ND	U	40
	VINYL ACETATE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	200	ND	U	400	ND	U	200	ND	U	40
	VINYL CHLORIDE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	200	ND	U	400	ND	U	200	ND	U	40
	XYLENES	5800	N/A	2400	5400	N/A	2400	4600	N/A	2400	5100	N/A	2400	ND	U	24000	ND	U	60000	ND	U	60000	310	J	600	1100	J	1200	300	J	600	150	N/A	120
FIXED GASES	CARBON DIOXIDE	0.46	N/A	0.1	0.12	N/A	0.1	0.053	J	0.1	0.78	N/A	0.1	0.69	N/A	0.1	0.23	N/A	0.1	1.5	N/A	0.1	0.53	N/A	0.1	0.64	N/A	0.1	0.049	J	0.1	0.35	N/A	0.1
Method D2504	CARBON MONOXIDE	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	ND	U	0.1	ND	U	0.1
(Percent)	METHANE	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5
	NITROGEN	79	N/A	0.1	79	N/A	0.1	79	N/A	0.1	80	N/A	0.1	80	N/A	0.1	79	N/A	0.1	81	N/A	0.1	80	N/A	0.1	80	N/A	0.1	78	N/A	0.1	80	N/A	0.1
	OXYGEN	20	N/A	0.1	21	N/A	0.1	21	N/A	0.1	19	N/A	0.1	19	N/A	0.1	20	N/A	0.1	17	N/A	0.1	20	N/A	0.1	20	N/A	0.1	21	N/A	0.1	20	N/A	0.1

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

Shading indicates the analyte was detected.

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

J+ = estimated value, concentration is less than PQL but greater than laboratory MDL; biased high.

J- = estimated value, concentration is less than PQL but greater than laboratory MDL; biased low.

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

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

N/A = Not applicable.

ND = Not detected.

NM = Not measured due to sample receipt condition or analyzed on initial sample.

R = Sample data rejected, data unusable

RL = Reporting Limit.

Table 4-2
Soil Vapor Analytical Results
January - March 2012

	LOCATION CODE	KAFB-106120-350			KAFB-106120-450			KAFB-106121-025			KAFB-106121-050			KAFB-106121-050			KAFB-106121-145			KAFB-106121-250			KAFB-106121-350			KAFB-106121-450			KAFB-106122-025			KAFB-106122-050		
	SAMPLE NO	VA1168			VA1169			VA1172			VA1170			VA1171			VA1173			VA1174			VA1175			VA1176			VA1177			VA1178		
	SAMPLE DATE	20-Jan-12			20-Jan-12			10-Jan-12			10-Jan-12			10-Jan-12			10-Jan-12			10-Jan-12			10-Jan-12			10-Jan-12			10-Jan-12			10-Jan-12		
	SAMPLE PURPOSE	REG			REG			REG			REG			FD			REG			REG			REG			REG			REG			REG		
	SAMPLE DEPTH	340-350 Ft			440-450 Ft			40-50 FT			15-25 FT			15-25 FT			140-150 FT			240-250 FT			340-350 FT			440-450 FT			15-25 FT			40-50 FT		
Chemical Class & Analytical Method[a]	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	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
TPH (ug/m3) Method MADEP APH	C5-C8 ALIPHATIC HYDROCARBONS	530000	N/A	94000	1200000	N/A	190000	2200	N/A	940	1800	N/A	940	2600	N/A	1900	4900	N/A	940	3400	N/A	940	2600000	N/A	940000	2200	N/A	940	6500	N/A	940	2700	N/A	940
	C9-C10 AROMATIC HYDROCARBONS	ND	U	110000	ND	U	210000	ND	U	1100	ND	U	1100	ND	U	2100	ND	U	1100	ND	U	1100	ND	U	1100000	ND	U	1100	ND	U	1100	ND	U	1100
	C9-C12 ALIPHATIC HYDROCARBONS	ND	U	150000	ND	U	300000	ND	U	1500	ND	U	1500	ND	U	3000	ND	U	1500	ND	U	1500	ND	U	1500000	ND	U	1500	ND	U	1500	ND	U	1500
VOCs (ppbv) Method TO15	1,1,1-TRICHLOROETHANE	ND	U	400	ND	U	1600	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	800	ND	U	16	ND	U	8	ND	U	8
	1,1,2,2-TETRACHLOROETHANE	ND	U	400	ND	U	1600	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	800	ND	U	16	ND	U	8	ND	U	8
	1,1,2-TRICHLOROETHANE	ND	U	400	ND	U	1600	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	800	ND	U	16	ND	U	8	ND	U	8
	1,1-DICHLOROETHANE	ND	U	400	ND	U	1600	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	800	ND	U	16	ND	U	8	ND	U	8
	1,1-DICHLOROETHENE	ND	U	400	ND	U	1600	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	800	ND	U	16	ND	U	8	ND	U	8
	1,2,4-TRICHLOROBENZENE	ND	U	400	ND	U	1600	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	800	ND	U	16	ND	U	8	ND	U	8
	1,2,4-TRIMETHYLBENZENE	ND	U	400	ND	U	1600	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	800	ND	U	16	ND	U	8	ND	U	8
	1,2-DIBROMOETHANE	ND	U	400	ND	U	1600	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	800	ND	U	16	ND	U	8	ND	U	8
	1,2-DICHLOROBENZENE	ND	U	400	ND	U	1600	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	800	ND	U	16	ND	U	8	ND	U	8
	1,2-DICHLOROETHANE	ND	U	400	ND	U	1600	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	800	ND	U	16	ND	U	8	ND	U	8
	1,2-DICHLOROPROPANE	ND	U	400	ND	U	1600	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	800	ND	U	16	ND	U	8	ND	U	8
	1,3,5-TRIMETHYLBENZENE	ND	U	400	ND	U	1600	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	800	ND	U	16	ND	U	8	ND	U	8
	1,3-DICHLOROBENZENE	ND	U	400	ND	U	1600	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	800	ND	U	16	ND	U	8	ND	U	8
	1,4-DICHLOROBENZENE	ND	U	400	ND	U	1600	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	800	ND	U	16	ND	U	8	ND	U	8
	2-BUTANONE	ND	U	400	ND	U	1600	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	800	ND	U	16	ND	U	8	ND	U	8
	2-HEXANONE	ND	U	400	ND	U	1600	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	800	ND	U	16	ND	U	8	ND	U	8
	4-METHYL-2-PENTANONE	ND	U	400	ND	U	1600	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	800	ND	U	16	ND	U	8	ND	U	8
	ACETONE	ND	U	400	ND	U	1600	16	N/A	8	28	N/A	8	ND	U	8	ND	U	8	11	N/A	8	ND	U	800	44	N/A	16	ND	U	8	ND	U	8
	BENZENE	1900	N/A	400	5100	N/A	1600	50	N/A	8	ND	U	8	17	N/A	8	11	N/A	8	13	N/A	8	4300	N/A	800	25	N/A	16	75	N/A	8	36	N/A	8
	BENZENE, (CHLOROMETHYL)-	ND	U	400	ND	U	1600	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	800	ND	U	16	ND	U	8	ND	U	8
	BROMODICHLOROMETHANE	ND	U	400	ND	U	1600	23	N/A	8	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	800	ND	U	16	ND	U	8	ND	U	8
	BROMOFORM	ND	U	400	ND	U	1600	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	800	ND	U	16	ND	U	8	ND	U	8
	BROMOMETHANE	ND	U	400	ND	U	1600	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	800	ND	U	16	ND	U	8	ND	U	8
	CARBON DISULFIDE	ND	U	400	ND	U	1600	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	800	ND	U	16	ND	U	8	ND	U	8
	CARBON TETRACHLORIDE	ND	U	400	ND	U	1600	83	N/A	8	ND	U	8	20	N/A	8	12	N/A	8	ND	U	8	ND	U	800	ND	U	16	15	N/A	8	48	N/A	8
	CHLOROBENZENE	ND	U	400	ND	U	1600	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	800	ND	U	16	ND	U	8	ND	U	8
	CHLOROETHANE	ND	U	400	ND	U	1600	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	800	ND	U	16	ND	U	8	ND	U	8
	CHLOROFORM	ND	U	400	ND	U	1600	210	N/A	40	ND	U	8	120	N/A	8	ND	U	8	ND	U	8	ND	U	800	ND	U	16	ND	U	8	64	N/A	8
	CHLOROMETHANE	ND	U	400	ND	U	1600	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	800	ND	U	16	ND	U	8	ND	U	8
	CIS-1,2-DICHLOROETHENE	ND	U	400	ND	U	1600	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	800	ND	U	16	ND	U	8	ND	U	8
	CIS-1,3-DICHLOROPROPENE	ND	U	400	ND	U	1600	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	800	ND	U	16	ND	U	8	ND	U	8
	CYCLOHEXANE	3200	N/A	800	8800	N/A	3200	28	N/A	16	ND	U	16	24	N/A	16	27	N/A	16	26	N/A	16	20000	N/A	1600	32	N/A	32	79	N/A	16	34	N/A	16
	DIBROMOCHLOROMETHANE	ND	U	400	ND	U	1600	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	800	ND	U	16	ND	U	8	ND	U	8
	DICHLORODIFLUOROMETHANE	ND	U	400	ND	U	1600	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	800	ND	U	16	ND	U	8	ND	U	8
	ERYTHRENE	ND	U	400	ND	U	1600	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	800	ND	U	16	ND	U	8	ND	U	8
	ETHYL ACETATE	ND	U	400	ND	U	1600	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	800	ND	U	16	ND	U	8	ND	U	8
	ETHYLBENZENE	ND	U	800	ND	U	3200	12	J	16	ND	U	16	9.1	J	16	ND	U	16	ND	U	16	ND	U	1600	ND	U	32	9.9	J	16	ND	U	16
	FREON 113	ND	U	400	ND	U	1600	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	800	ND	U	16	ND	U	8	ND	U	8
	HEPTANE	1800	N/A	400	2800	N/A	1600	21	N/A	8	ND	U	8	25	N/A	8	12	N/A	8	24	N/A	8	3800	N/A	800	ND	U	16	32	N/A	8	18	N/A	8
	HEXACHLOROBUTADIENE	ND	U	800	ND	U	3200	ND	U	16	ND	U	16	ND	U	16	ND	U	16	ND	U	16	ND	U	1600	ND	U	32	ND	U	16	ND	U	16
	HEXANE	2900	N/A	800	9400	N/A	3200	17	N/A	16	20	N/A	16	12	J	16	24	N/A	16	16	N/A	16	18000	N/A	1600	62	N/A	32	87	N/A	16	37	N/A	16
	M,P-XYLENES	560	J	800	ND	U	3200	49	N/A	16	ND	U	16	33	N/A	16	ND	U	16	10	J	16	ND	U	1600	ND	U	32	17	N/A	16	12	J	16
	METHYL TERT-BUTYL ETHER	ND	U	400	ND	U	1600	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	800	ND	U	16	ND	U	8	ND	U	8
	METHYLENE CHLORIDE	ND	U	2000	ND	U	8000	ND	U	40	32	J	40	ND	U	40	ND	U	40	ND	U	40	ND	U	4000	270	N/A	80	ND	U	40	ND	U	40
	NAPHTHALENE	ND	U	400	ND	U	1600	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	800	ND	U	16	ND	U	8	ND	U	8
	O-XYLENE	ND	U	400	ND	U	1600	17	N/A	8	ND	U	8	12	N/A	8	ND	U	8	ND	U	8	ND	U	800	ND	U	16	ND	U	8	ND	U	8
	PROPYLENE	1100	N/A	400	5100	N/A	1600	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	8	1800	N/A	800	26	N/A	16	12	N/A	8	11	N/A	8
	STYRENE	ND	U	400	ND	U	1600	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	800	ND	U	16	ND	U	8	ND	U	8
	TETRACHLOROETHENE	ND	U	400	ND	U	1600	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	800	ND	U	16	ND	U	8	ND	U	8
	THF	ND	U	400	ND	U	1600	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	800	ND	U	16	ND	U	8	ND	U	8
	TOLUENE	4300	N/A	400	6200	N/A	1600	160	N/A	8	ND	U	8	84	N/A	8	30	N/A	8	33	N/A	8	6600	N/A	800	41	N/A	16	210	N/A	8	120	N/A	8
	TRANS-1,2-DICHLOROETHENE	ND	U	400	ND	U	1600	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	800	ND	U	16	ND	U	8	ND	U	8
	TRANS-1,3-DICHLOROPROPENE	ND	U	400	ND	U	1600	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	800	ND	U	16	ND	U	8	ND	U	8
	TRICHLOROETHENE	ND	U	400	ND	U	1600	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	800	ND	U	16	ND	U	8	ND	U	8
	TRICHLOROFLUOROMETHANE	ND	U	400	ND	U	1600	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	800	ND	U	16	ND	U	8	ND	U	8
	VINYL ACETATE	ND	U	400	ND	U	1600	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	800	ND	U	16	ND	U	8	ND	U	8
	VINYL CHLORIDE	ND	U	400	ND	U	1600	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	8	ND	U	800	ND	U	16	ND	U	8	ND	U	8
	XYLENES	560	J	1200	ND	U	4800	66	N/A	24	ND	U	24	45	N/A	24	ND	U	24	10	J	24	ND	U	2400	ND	U	48	17	J	24	12	J	24
FIXED GASES Method D2504 (Percent)	CARBON DIOXIDE	0.092	J	0.1	0.042	J	0.1	0.047	J	0.1	0.052	J	0.1	0.047	J	0.1	0.045	J	0.1	0.048	J	0.1	0.049	J	0.1	0.046	J	0.1	0.047	J	0.1	0.055	J	0.1
	CARBON MONOXIDE	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	ND	U	0.1	ND	U	0.1
	METHANE	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5
	NITROGEN	79	N/A	0.1	79	N/A	0.1	79	N/A	0.1	79	N/A	0.1	79	N/A	0.1	79	N/A	0.1	79	N/A	0.1	79	N/A	0.1	79	N/A	0.1	80	N/A	0.1	79	N/A	0.1
	OXYGEN	21	N/A	0.1	21	N/A	0.1	21	N/A	0.1	21	N/A	0.1	21	N/A	0.1	21	N/A	0.1	21	N/A	0.1	21	N/A	0.1	21	N/A	0.1	21	N/A	0.1	21	N/A	0.1

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

Shading indicates the analyte was detected.

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

J+ = estimated value, concentration is less than PQL but greater than laboratory MDL; biased high.

J- = estimated value, concentration is less than PQL but greater than laboratory MDL; biased low.

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

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

N/A = Not applicable.

ND = Not detected.

NM = Not measured due to sample receipt condition or analyzed on initial sample.

R = Sample data rejected, data unusable

RL = Reporting Limit.

Table 4-2
Soil Vapor Analytical Results
January - March 2012

	LOCATION CODE	KAFB-106122-150			KAFB-106122-250			KAFB-106122-250			KAFB-106122-350			KAFB-106122-450			KAFB-106123-025			KAFB-106123-050			KAFB-106123-150			KAFB-106123-250			KAFB-106123-350			KAFB-106123-450		
	SAMPLE NO	VA1179			VA1180			VA1181			VA1182			VA1183			VA1184			VA1185			VA1186			VA1187			VA1188			VA1189		
	SAMPLE DATE	11-Jan-12			11-Jan-12			11-Jan-12			11-Jan-12			11-Jan-12			11-Jan-12			11-Jan-12			11-Jan-12			11-Jan-12			11-Jan-12			11-Jan-12		
	SAMPLE PURPOSE	REG			REG			FD			REG			REG			REG			REG			REG			REG			REG			REG		
	SAMPLE DEPTH	140-150 FT			240-250 FT			240-250 FT			340-350 FT			440-450 FT			15-25 FT			40-50 FT			140-150 FT			240-250 FT			340-350 FT			440-450 FT		
Chemical Class & Analytical Method[a]	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	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
TPH (ug/m3) Method MADEP APH	C5-C8 ALIPHATIC HYDROCARBONS	1600	N/A	940	2300	N/A	940	2100	N/A	940	580000	N/A	190000	2000000	N/A	190000	180000	N/A	47000	520000	N/A	94000	5100	N/A	940	5300	N/A	940	170000	N/A	47000	1.2E+07	N/A	940000
	C9-C10 AROMATIC HYDROCARBONS	ND	U	1100	ND	U	1100	ND	U	1100	ND	U	210000	ND	U	210000	ND	U	53000	ND	U	110000	ND	U	1100	ND	U	1100	ND	U	53000	ND	U	1100000
	C9-C12 ALIPHATIC HYDROCARBONS	ND	U	1500	ND	U	1500	ND	U	1500	ND	U	300000	ND	U	300000	ND	U	76000	ND	U	150000	ND	U	1500	240	J	1500	ND	U	76000	ND	U	1500000
VOCs (ppbv) Method TO15	1,1,1-TRICHLOROETHANE	ND	U	8	ND	U	40	ND	U	8	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8000
	1,1,2,2-TETRACHLOROETHANE	ND	U	8	ND	U	40	ND	U	8	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8000
	1,1,2-TRICHLOROETHANE	ND	U	8	ND	U	40	ND	U	8	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8000
	1,1-DICHLOROETHANE	ND	U	8	ND	U	40	ND	U	8	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8000
	1,1-DICHLOROETHENE	ND	U	8	ND	U	40	ND	U	8	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8000
	1,2,4-TRICHLOROBENZENE	ND	U	8	ND	U	40	ND	U	8	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8000
	1,2,4-TRIMETHYLBENZENE	ND	U	8	ND	U	40	ND	U	8	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8000
	1,2-DIBROMOETHANE	ND	U	8	ND	U	40	ND	U	8	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8000
	1,2-DICHLOROBENZENE	ND	U	8	ND	U	40	ND	U	8	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8000
	1,2-DICHLOROETHANE	ND	U	8	ND	U	40	ND	U	8	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8000
	1,2-DICHLOROPROPANE	ND	U	8	ND	U	40	ND	U	8	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8000
	1,3,5-TRIMETHYLBENZENE	ND	U	8	ND	U	40	ND	U	8	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8000
	1,3-DICHLOROBENZENE	ND	U	8	ND	U	40	ND	U	8	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8000
	1,4-DICHLOROBENZENE	ND	U	8	ND	U	40	ND	U	8	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8000
	2-BUTANONE	ND	U	8	ND	U	40	ND	U	8	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8000
	2-HEXANONE	ND	U	8	ND	U	40	ND	U	8	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8000
	4-METHYL-2-PENTANONE	ND	U	8	ND	U	40	ND	U	8	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8000
	ACETONE	21	N/A	8	66	N/A	40	13	N/A	8	ND	U	800	1800	N/A	800	650	N/A	400	ND	U	800	9.6	N/A	8	ND	U	8	ND	U	8	ND	U	8000
	BENZENE	15	N/A	8	68	N/A	40	20	N/A	8	6600	N/A	800	9400	N/A	800	3500	N/A	400	2500	N/A	800	82	N/A	8	44	N/A	8	180	N/A	8	44000	N/A	8000
	BENZENE, (CHLOROMETHYL)-	ND	U	8	ND	U	40	ND	U	8	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8000
	BROMODICHLOROMETHANE	ND	U	8	ND	U	40	ND	U	8	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8000
	BROMOFORM	ND	U	8	ND	U	40	ND	U	8	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8000
	BROMOMETHANE	ND	U	8	ND	U	40	ND	U	8	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8000
	CARBON DISULFIDE	ND	U	8	ND	U	40	ND	U	8	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8000
	CARBON TETRACHLORIDE	ND	U	8	ND	U	40	ND	U	8	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8000
	CHLOROBENZENE	ND	U	8	ND	U	40	ND	U	8	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8000
	CHLOROETHANE	ND	U	8	ND	U	40	ND	U	8	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8000
	CHLOROFORM	ND	U	8	ND	U	40	ND	U	8	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8000
	CHLOROMETHANE	ND	U	8	ND	U	40	ND	U	8	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8000
	CIS-1,2-DICHLOROETHENE	ND	U	8	ND	U	40	ND	U	8	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8000
	CIS-1,3-DICHLOROPROPENE	ND	U	8	ND	U	40	ND	U	8	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8000
	CYCLOHEXANE	17	N/A	16	110	N/A	80	26	N/A	16	22000	N/A	1600	21000	N/A	1600	5000	N/A	800	4600	N/A	1600	79	N/A	16	45	N/A	16	410	N/A	80	87000	N/A	16000
	DIBROMOCHLOROMETHANE	ND	U	8	ND	U	40	ND	U	8	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8000
	DICHLORODIFLUOROMETHANE	ND	U	8	ND	U	40	ND	U	8	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8000
	ERYTHRENE	ND	U	8	ND	U	40	ND	U	8	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8000
	ETHYL ACETATE	ND	U	8	ND	U	40	ND	U	8	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8000
	ETHYLBENZENE	ND	U	16	ND	U	80	ND	U	16	ND	U	1600	ND	U	1600	ND	U	800	ND	U	1600	10	J	16	ND	U	16	ND	U	16	ND	U	16000
	FREON 113	ND	U	8	ND	U	40	ND	U	8	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8000
	HEPTANE	11	N/A	8	52	N/A	40	13	N/A	8	2500	N/A	800	5100	N/A	800	2100	N/A	400	ND	U	800	28	N/A	8	15	N/A	8	180	N/A	8	22000	N/A	8000
	HEXACHLOROBUTADIENE	ND	U	16	ND	U	80	ND	U	16	ND	U	1600	ND	U	1600	ND	U	800	ND	U	1600	ND	U	16	ND	U	16	ND	U	16	ND	U	16000
	HEXANE	14	J	16	140	N/A	80	16	N/A	16	19000	N/A	1600	24000	N/A	1600	6200	N/A	800	5300	N/A	1600	72	N/A	16	34	N/A	16	390	N/A	16	85000	N/A	16000
	M,P-XYLENES	11	J	16	ND	U	80	14	J	16	ND	U	1600	ND	U	1600	820	N/A	800	ND	U	1600	20	N/A	16	11	J	16	18	N/A	16	ND	U	16000
	METHYL TERT-BUTYL ETHER	ND	U	8	ND	U	40	ND	U	8	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8000
	METHYLENE CHLORIDE	ND	U	40	84	J	200	ND	U	40	ND	U	4000	ND	U	4000	1600	J	2000	ND	U	4000	ND	U	40	ND	U	40	ND	U	40	ND	U	40000
	NAPHTHALENE	ND	U	8	ND	U	40	ND	U	8	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8000
	O-XYLENE	ND	U	8	ND	U	40	ND	U	8	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8000
	PROPYLENE	8.6	N/A	8	55	N/A	40	11	N/A	8	4300	N/A	800	3800	N/A	800	560	N/A	400	1600	N/A	800	12	N/A	8	14	N/A	8	33	N/A	8	ND	U	8000
	STYRENE	ND	U	8	ND	U	40	ND	U	8	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8000
	TETRACHLOROETHENE	ND	U	8	ND	U	40	ND	U	8	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8000
	THF	ND	U	8	ND	U	40	ND	U	8	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8000
	TOLUENE	56	N/A	8	100	N/A	40	55	N/A	8	7000	N/A	800	16000	N/A	800	3700	N/A	400	2100	N/A	800	230	N/A	8	87	N/A	8	340	N/A	8	69000	N/A	8000
	TRANS-1,2-DICHLOROETHENE	ND	U	8	ND	U	40	ND	U	8	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8000
	TRANS-1,3-DICHLOROPROPENE	ND	U	8	ND	U	40	ND	U	8	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8000
	TRICHLOROETHENE	ND	U	8	ND	U	40	ND	U	8	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8000
	TRICHLOROFLUOROMETHANE	ND	U	8	ND	U	40	ND	U	8	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8000
	VINYL ACETATE	ND	U	8	ND	U	40	ND	U	8	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8000
	VINYL CHLORIDE	ND	U	8	ND	U	40	ND	U	8	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8000
	XYLENES	11	J	24	ND	U	120	14	J	24	ND	U	2400	ND	U	2400	820	J	1200	ND	U	2400	20	J	24	11	J	24	18	J	24	ND	U	24000
FIXED GASES Method D2504 (Percent)	CARBON DIOXIDE	0.081	J	0.1	0.43	N/A	0.1	0.44	N/A	0.1	0.3	N/A	0.1	0.11	N/A	0.1	0.84	N/A	0.1	1.3	N/A	0.1	0.33	N/A	0.1	0.32	N/A	0.1	0.46	N/A	0.1	0.37	N/A	0.1
	CARBON MONOXIDE	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	ND	U	0.1	ND	U	0.1
	METHANE	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5
	NITROGEN	79	N/A	0.1	80	N/A	0.1	80	N/A	0.1	82	N/A	0.1	79	N/A	0.1	79	N/A	0.1	80	N/A	0.1	80	N/A	0.1	80	N/A	0.1	81	N/A	0.1	80	N/A	0.1
	OXYGEN	21	N/A	0.1	19	N/A	0.1	20	N/A	0.1	19	N/A	0.1	21	N/A	0.1	20	N/A	0.1	19	N/A	0.1	20	N/A	0.1	20	N/A	0.1	18	N/A	0.1	18	N/A	0.1

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

Shading indicates the analyte was detected.

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

J+ = estimated value, concentration is less than PQL but greater than laboratory MDL; biased high.

J- = estimated value, concentration is less than PQL but greater than laboratory MDL; biased low.

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

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

N/A = Not applicable.

ND = Not detected.

NM = Not measured due to sample receipt condition or analyzed on initial sample.

R = Sample data rejected, data unusable

RL = Reporting Limit.

Table 4-2
Soil Vapor Analytical Results
January - March 2012

	LOCATION CODE	KAFB-106124-025			KAFB-106124-050			KAFB-106124-050			KAFB-106124-150			KAFB-106124-150			KAFB-106124-250			KAFB-106124-350			KAFB-106124-350			KAFB-106124-450			KAFB-106125-025			KAFB-106125-050		
	SAMPLE NO	VA1190			VA1191			VA1192			VA1193			VA1193-R			VA1194			VA1195			VA1195-R			VA1196			VA1197			VA1198		
	SAMPLE DATE	17-Jan-12			17-Jan-12			17-Jan-12			17-Jan-12			5-Mar-12			17-Jan-12			17-Jan-12			15-Mar-12			17-Jan-12			18-Jan-12			18-Jan-12		
	SAMPLE PURPOSE	REG			REG			FD			REG			REG			REG			REG			REG			REG			REG			REG		
	SAMPLE DEPTH	15-25 Ft			40-50 Ft			40-50 Ft			140-150 Ft			140-150 Ft			240-250 Ft			340-350 FT			340-350 FT			440-450 FT			15-25 FT			40-50 FT		
Chemical Class & Analytical Method[a]	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	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
TPH (ug/m3) Method MADEP APH	C5-C8 ALIPHATIC HYDROCARBONS	130000	N/A	47000	150000	N/A	47000	23000	N/A	4700	N/A	N/A	N/A	34000	N/A	4700	24000	N/A	4700	N/A	N/A	N/A	5600000	N/A	940000	1600000	N/A	940000	62000	N/A	4700	89000	N/A	4700
	C9-C10 AROMATIC HYDROCARBONS	ND	U	53000	ND	U	53000	ND	U	5300	N/A	N/A	N/A	ND	U	5300	ND	U	5300	N/A	N/A	N/A	ND	U	1100000	ND	U	1100000	ND	U	5300	ND	U	5300
	C9-C12 ALIPHATIC HYDROCARBONS	ND	U	76000	ND	U	76000	ND	U	7600	N/A	N/A	N/A	ND	U	7600	ND	U	7600	N/A	N/A	N/A	ND	U	1500000	ND	U	1500000	ND	U	7600	2100	J	7600
VOCs (ppbv) Method TO15	1,1,1-TRICHLOROETHANE	ND	U	40	ND	U	40	ND	U	40	N/A	N/A	N/A	ND	U	400	ND	U	40	N/A	N/A	N/A	ND	U	800	ND	U	400	ND	U	40	ND	U	40
	1,1,2,2-TETRACHLOROETHANE	ND	U	40	ND	U	40	ND	U	40	N/A	N/A	N/A	ND	U	400	ND	U	40	N/A	N/A	N/A	ND	U	800	ND	U	400	ND	U	40	ND	U	40
	1,1,2-TRICHLOROETHANE	ND	U	40	ND	U	40	ND	U	40	N/A	N/A	N/A	ND	U	400	ND	U	40	N/A	N/A	N/A	ND	U	800	ND	U	400	ND	U	40	ND	U	40
	1,1-DICHLOROETHANE	ND	U	40	ND	U	40	ND	U	40	N/A	N/A	N/A	ND	U	400	ND	U	40	N/A	N/A	N/A	ND	U	800	ND	U	400	ND	U	40	ND	U	40
	1,1-DICHLOROETHENE	ND	U	40	ND	U	40	ND	U	40	N/A	N/A	N/A	ND	U	400	ND	U	40	N/A	N/A	N/A	ND	U	800	ND	U	400	ND	U	40	ND	U	40
	1,2,4-TRICHLOROBENZENE	ND	U	40	ND	U	40	ND	U	40	N/A	N/A	N/A	ND	U	400	ND	U	40	N/A	N/A	N/A	ND	U	800	ND	U	400	ND	U	40	ND	U	40
	1,2,4-TRIMETHYLBENZENE	ND	U	40	ND	U	40	ND	U	40	N/A	N/A	N/A	ND	U	400	ND	U	40	N/A	N/A	N/A	ND	U	800	ND	U	400	ND	U	40	ND	U	40
	1,2-DIBROMOETHANE	ND	U	40	ND	U	40	ND	U	40	N/A	N/A	N/A	ND	U	400	ND	U	40	N/A	N/A	N/A	ND	U	800	ND	U	400	ND	U	40	ND	U	40
	1,2-DICHLOROBENZENE	ND	U	40	ND	U	40	ND	U	40	N/A	N/A	N/A	ND	U	400	ND	U	40	N/A	N/A	N/A	ND	U	800	ND	U	400	ND	U	40	ND	U	40
	1,2-DICHLOROETHANE	ND	U	40	ND	U	40	ND	U	40	N/A	N/A	N/A	ND	U	400	ND	U	40	N/A	N/A	N/A	ND	U	800	ND	U	400	ND	U	40	ND	U	40
	1,2-DICHLOROPROPANE	ND	U	40	ND	U	40	ND	U	40	N/A	N/A	N/A	ND	U	400	ND	U	40	N/A	N/A	N/A	ND	U	800	ND	U	400	ND	U	40	ND	U	40
	1,3,5-TRIMETHYLBENZENE	ND	U	40	ND	U	40	ND	U	40	N/A	N/A	N/A	ND	U	400	ND	U	40	N/A	N/A	N/A	ND	U	800	ND	U	400	ND	U	40	ND	U	40
	1,3-DICHLOROBENZENE	ND	U	40	ND	U	40	ND	U	40	N/A	N/A	N/A	ND	U	400	ND	U	40	N/A	N/A	N/A	ND	U	800	ND	U	400	ND	U	40	ND	U	40
	1,4-DICHLOROBENZENE	ND	U	40	ND	U	40	ND	U	40	N/A	N/A	N/A	ND	U	400	ND	U	40	N/A	N/A	N/A	ND	U	800	ND	U	400	ND	U	40	ND	U	40
	2-BUTANONE	ND	U	40	ND	U	40	ND	U	40	N/A	N/A	N/A	ND	U	400	ND	U	40	N/A	N/A	N/A	3100	N/A	800	ND	U	400	ND	U	40	ND	U	40
	2-HEXANONE	ND	U	40	ND	U	40	ND	U	40	N/A	N/A	N/A	ND	U	400	ND	U	40	N/A	N/A	N/A	ND	U	800	ND	U	400	ND	U	40	ND	U	40
	4-METHYL-2-PENTANONE	ND	U	40	ND	U	40	ND	U	40	N/A	N/A	N/A	ND	U	400	ND	U	40	N/A	N/A	N/A	ND	U	800	ND	U	400	ND	U	40	ND	U	40
	ACETONE	ND	U	40	ND	U	40	ND	U	40	N/A	N/A	N/A	660	N/A	400	47	N/A	40	N/A	N/A	N/A	4500	N/A	800	680	N/A	400	ND	U	40	ND	U	40
	BENZENE	610	N/A	40	1300	N/A	40	650	N/A	40	N/A	N/A	N/A	700	N/A	400	490	N/A	40	N/A	N/A	N/A	18000	N/A	800	1200	N/A	400	1600	N/A	40	1200	N/A	40
	BENZENE, (CHLOROMETHYL)-	ND	U	40	ND	U	40	ND	U	40	N/A	N/A	N/A	ND	U	400	ND	U	40	N/A	N/A	N/A	ND	U	800	ND	U	400	ND	U	40	ND	U	40
	BROMODICHLOROMETHANE	ND	U	40	ND	U	40	ND	U	40	N/A	N/A	N/A	ND	U	400	ND	U	40	N/A	N/A	N/A	ND	U	800	ND	U	400	ND	U	40	ND	U	40
	BROMOFORM	ND	U	40	ND	U	40	ND	U	40	N/A	N/A	N/A	ND	U	400	ND	U	40	N/A	N/A	N/A	ND	U	800	ND	U	400	ND	U	40	ND	U	40
	BROMOMETHANE	ND	U	40	ND	U	40	ND	U	40	N/A	N/A	N/A	ND	U	400	ND	U	40	N/A	N/A	N/A	ND	U	800	ND	U	400	ND	U	40	ND	U	40
	CARBON DISULFIDE	ND	U	40	ND	U	40	ND	U	40	N/A	N/A	N/A	ND	U	400	ND	U	40	N/A	N/A	N/A	ND	U	800	ND	U	400	ND	U	40	ND	U	40
	CARBON TETRACHLORIDE	ND	U	40	ND	U	40	ND	U	40	N/A	N/A	N/A	ND	U	400	ND	U	40	N/A	N/A	N/A	ND	U	800	ND	U	400	ND	U	40	ND	U	40
	CHLOROBENZENE	ND	U	40	ND	U	40	ND	U	40	N/A	N/A	N/A	ND	U	400	ND	U	40	N/A	N/A	N/A	ND	U	800	ND	U	400	ND	U	40	ND	U	40
	CHLOROETHANE	ND	U	40	ND	U	40	ND	U	40	N/A	N/A	N/A	ND	U	400	ND	U	40	N/A	N/A	N/A	ND	U	800	ND	U	400	ND	U	40	ND	U	40
	CHLOROFORM	550	N/A	40	190	N/A	40	220	N/A	40	N/A	N/A	N/A	ND	U	400	ND	U	40	N/A	N/A	N/A	ND	U	800	ND	U	400	130	N/A	40	120	N/A	40
	CHLOROMETHANE	ND	U	40	ND	U	40	ND	U	40	N/A	N/A	N/A	ND	U	400	ND	U	40	N/A	N/A	N/A	ND	U	800	ND	U	400	ND	U	40	ND	U	40
	CIS-1,2-DICHLOROETHENE	ND	U	40	ND	U	40	ND	U	40	N/A	N/A	N/A	ND	U	400	ND	U	40	N/A	N/A	N/A	ND	U	800	ND	U	400	ND	U	40	ND	U	40
	CIS-1,3-DICHLOROPROPENE	ND	U	40	ND	U	40	ND	U	40	N/A	N/A	N/A	ND	U	400	ND	U	40	N/A	N/A	N/A	ND	U	800	ND	U	400	ND	U	40	ND	U	40
	CYCLOHEXANE	800	N/A	80	7100	N/A	800	1000	N/A	80	N/A	N/A	N/A	1200	N/A	800	1100	N/A	80	N/A	N/A	N/A	82000	N/A	16000	6000	N/A	800	1900	N/A	1600	2900	N/A	800
	DIBROMOCHLOROMETHANE	ND	U	40	ND	U	40	ND	U	40	N/A	N/A	N/A	ND	U	400	ND	U	40	N/A	N/A	N/A	ND	U	800	ND	U	400	ND	U	40	ND	U	40
	DICHLORODIFLUOROMETHANE	ND	U	40	ND	U	40	ND	U	40	N/A	N/A	N/A	ND	U	400	ND	U	40	N/A	N/A	N/A	ND	U	800	ND	U	400	ND	U	40	ND	U	40
	ERYTHRENE	ND	U	40	ND	U	40	ND	U	40	N/A	N/A	N/A	ND	U	400	ND	U	40	N/A	N/A	N/A	ND	U	800	ND	U	400	ND	U	40	ND	U	40
	ETHYL ACETATE	ND	U	40	ND	U	40	ND	U	40	N/A	N/A	N/A	ND	U	400	ND	U	40	N/A	N/A	N/A	ND	U	800	ND	U	400	ND	U	40	ND	U	40
	ETHYLBENZENE	64	J	80	70	J	80	65	J	80	N/A	N/A	N/A	ND	U	800	42	J	80	N/A	N/A	N/A	3600	N/A	1600	ND	U	800	99	N/A	80	94	N/A	80
	FREON 113	ND	U	40	ND	U	40	ND	U	40	N/A	N/A	N/A	ND	U	400	ND	U	40	N/A	N/A	N/A	ND	U	800	ND	U	400	ND	U	40	ND	U	40
	HEPTANE	910	N/A	40	7100	N/A	400	1200	N/A	40	N/A	N/A	N/A	1400	N/A	400	1200	N/A	40	N/A	N/A	N/A	37000	N/A	800	1800	N/A	400	1600	N/A	800	2500	N/A	400
	HEXACHLOROBUTADIENE	ND	U	80	ND	U	80	ND	U	80	N/A	N/A	N/A	ND	U	800	ND	U	80	N/A	N/A	N/A	ND	U	1600	ND	U	800	ND	U	80	ND	U	80
	HEXANE	440	N/A	80	1400	N/A	80	590	N/A	80	N/A	N/A	N/A	2200	N/A	800	610	N/A	80	N/A	N/A	N/A	35000	N/A	1600	5300	N/A	800	1600	N/A	80	1300	N/A	80
	M,P-XYLENES	180	N/A	80	200	N/A	80	180	N/A	80	N/A	N/A	N/A	440	J	800	110	N/A	80	N/A	N/A	N/A	8900	N/A	1600	ND	U	800	270	N/A	80	250	N/A	80
	METHYL TERT-BUTYL ETHER	ND	U	40	ND	U	40	ND	U	40	N/A	N/A	N/A	ND	U	400	ND	U	40	N/A	N/A	N/A	ND	U	800	ND	U	400	ND	U	40	ND	U	40
	METHYLENE CHLORIDE	ND	U	200	ND	U	200	ND	U	200	N/A	N/A	N/A	2500	N/A	2000	ND	U	200	N/A	N/A	N/A	ND	U	4000	ND	U	2000	ND	U	200	ND	U	200
	NAPHTHALENE	ND	U	40	ND	U	40	ND	U	40	N/A	N/A	N/A	ND	U	400	ND	U	40	N/A	N/A	N/A	ND	U	800	ND	U	400	ND	U	40	ND	U	40
	O-XYLENE	52	N/A	40	49	N/A	40	49	N/A	40	N/A	N/A	N/A	ND	U	400	ND	U	40	N/A	N/A	N/A	2400	N/A	800	ND	U	400	63	N/A	40	59	N/A	40
	PROPYLENE	64	N/A	40	65	N/A	40	72	N/A	40	N/A	N/A	N/A	ND	U	400	72	N/A	40	N/A	N/A	N/A	2700	N/A	800	980	N/A	400	67	N/A	40	220	N/A	40
	STYRENE	ND	U	40	ND	U	40	ND	U	40	N/A	N/A	N/A	ND	U	400	ND	U	40	N/A	N/A	N/A	ND	U	800	ND	U	400	ND	U	40	ND	U	40
	TETRACHLOROETHENE	ND	U	40	ND	U	40	ND	U	40	N/A	N/A	N/A	ND	U	400	ND	U	40	N/A	N/A	N/A	ND	U	800	ND	U	400	ND	U	40	ND	U	40
	THF	ND	U	40	ND	U	40	ND	U	40	N/A	N/A	N/A	ND	U	400	ND	U	40	N/A	N/A	N/A	ND	U	800	ND	U	400	ND	U	40	ND	U	40
	TOLUENE	3900	N/A	400	9700	N/A	400	3300	N/A	400	N/A	N/A	N/A	2500	N/A	400	1500	N/A	40	N/A	N/A	N/A	120000	N/A	8000	2700	N/A	400	1800	N/A	800	2800	N/A	400
	TRANS-1,2-DICHLOROETHENE	ND	U	40	ND	U	40	ND	U	40	N/A	N/A	N/A	ND	U	400	ND	U	40	N/A	N/A	N/A	ND	U	800	ND	U	400	ND	U	40	ND	U	40
	TRANS-1,3-DICHLOROPROPENE	ND	U	40	ND	U	40	ND	U	40	N/A	N/A	N/A	ND	U	400	ND	U	40	N/A	N/A	N/A	ND	U	800	ND	U	400	ND	U	40	ND	U	40
	TRICHLOROETHENE	ND	U	40	ND	U	40	ND	U	40	N/A	N/A	N/A	ND	U	400	ND	U	40	N/A	N/A	N/A	ND	U	800	ND	U	400	ND	U	40	ND	U	40
	TRICHLOROFLUOROMETHANE	ND	U	40	ND	U	40	ND	U	40	N/A	N/A	N/A	ND	U	400	ND	U	40	N/A	N/A	N/A	ND	U	800	ND	U	400	ND	U	40	ND	U	40
	VINYL ACETATE	ND	U	40	ND	U	40	ND	U	40	N/A	N/A	N/A	ND	U	400	ND	U	40	N/A	N/A	N/A	ND	U	800	ND	U	400	ND	U	40	ND	U	40
	VINYL CHLORIDE	ND	U	40	ND	U	40	ND	U	40	N/A	N/A	N/A	ND	U	400	ND	U	40	N/A	N/A	N/A	ND	U	800	ND	U	400	ND	U	40	ND	U	40
	XYLENES	230	N/A	120	250	N/A	120	230	N/A	120	N/A	N/A	N/A	440	J	1200	110	J	120	N/A	N/A	N/A	11000	N/A	2400	ND	U	1200	330	N/A	120	310	N/A	120
FIXED GASES Method D2504 (Percent)	CARBON DIOXIDE	0.77	N/A	0.1	0.39	N/A	0.1	0.37	N/A	0.1	0.071	J	0.1	N/A	N/A	N/A	0.09	J	0.1	0.09	J	0.1	N/A	N/A	N/A	0.13	N/A	0.1	0.16	N/A	0.1	1.1	N/A	0.1
	CARBON MONOXIDE	ND	U	0.1	ND	U	0.1	ND	U	0.1	ND	U	0.1	N/A	N/A	N/A	ND	U	0.1	ND	U	0.1	N/A	N/A	N/A	ND	U	0.1	ND	U	0.1	ND	U	0.1
	METHANE	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	N/A	N/A	N/A	ND	U	0.5	ND	U	0.5	N/A	N/A	N/A	ND	U	0.5	ND	U	0.5	ND	U	0.5
	NITROGEN	77	N/A	0.1	77	N/A	0.1	77	N/A	0.1	78	N/A	0.1	N/A	N/A	N/A	78	N/A	0.1	79	N/A	0.1	N/A	N/A	N/A	79	N/A	0.1	78	N/A	0.1	80	N/A	0.1
	OXYGEN	20	N/A	0.1	20	N/A	0.1	20	N/A	0.1	20	N/A	0.1	N/A	N/A	N/A	20	N/A	0.1	21	N/A	0.1	N/A	N/A	N/A	20	N/A	0.1	21	N/A	0.1	20	N/A	0.1

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

Shading indicates the analyte was detected.

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

J+ = estimated value, concentration is less than PQL but greater than laboratory MDL; biased high.

J- = estimated value, concentration is less than PQL but greater than laboratory MDL; biased low.

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

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

N/A = Not applicable.

ND = Not detected.

NM = Not measured due to sample receipt condition or analyzed on initial sample.

R = Sample data rejected, data unusable

RL = Reporting Limit.

Table 4-2
Soil Vapor Analytical Results
January - March 2012

	LOCATION CODE	KAFB-106125-150			KAFB-106125-250			KAFB-106125-350			KAFB-106125-350			KAFB-106125-450			KAFB-106126-025			KAFB-106126-050			KAFB-106126-150			KAFB-106126-250			KAFB-106126-350			KAFB-106126-450		
	SAMPLE NO	VA1199			VA1200			VA1201			VA1202			VA1203			VA1204			VA1205			VA1206			VA1207			VA1208			VA1209		
	SAMPLE DATE	18-Jan-12			18-Jan-12			18-Jan-12			18-Jan-12			18-Jan-12			19-Jan-12			19-Jan-12			19-Jan-12			19-Jan-12			19-Jan-12			19-Jan-12		
	SAMPLE PURPOSE	REG			REG			REG			FD			REG			REG			REG			REG			REG			REG			REG		
	SAMPLE DEPTH	140-150 FT			240-250 FT			340-350 FT			340-350 FT			440-450 FT			15-25 FT			40-50 FT			140-150 FT			240-250 FT			340-350 FT			440-450 FT		
Chemical Class & Analytical Method[a]	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	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
TPH (ug/m3) Method MADEP APH	C5-C8 ALIPHATIC HYDROCARBONS	35000	N/A	4700	30000	N/A	4700	1800000	N/A	940000	1300000	N/A	94000	6600000	N/A	940000	450000	N/A	47000	230000	N/A	47000	240000	N/A	47000	300000	N/A	47000	1100000	N/A	190000	1500000	N/A	190000
	C9-C10 AROMATIC HYDROCARBONS	ND	U	5300	ND	U	5300	ND	U	1100000	ND	U	110000	ND	U	1100000	ND	U	53000	ND	U	53000	ND	U	53000	ND	U	53000	ND	U	210000	ND	U	210000
	C9-C12 ALIPHATIC HYDROCARBONS	ND	U	7600	ND	U	7600	ND	U	1500000	ND	U	150000	ND	U	1500000	ND	U	76000	ND	U	76000	ND	U	76000	ND	U	76000	ND	U	300000	ND	U	300000
VOCs (ppbv) Method TO15	1,1,1-TRICHLOROETHANE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	200	ND	U	200	ND	U	200	ND	U	1600	ND	U	40
	1,1,2,2-TETRACHLOROETHANE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	200	ND	U	200	ND	U	200	ND	U	1600	ND	U	40
	1,1,2-TRICHLOROETHANE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	200	ND	U	200	ND	U	200	ND	U	1600	ND	U	40
	1,1-DICHLOROETHANE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	200	ND	U	200	ND	U	200	ND	U	1600	ND	U	40
	1,1-DICHLOROETHENE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	200	ND	U	200	ND	U	200	ND	U	1600	ND	U	40
	1,2,4-TRICHLOROBENZENE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	200	ND	U	200	ND	U	200	ND	U	1600	ND	U	40
	1,2,4-TRIMETHYLBENZENE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	200	ND	U	200	ND	U	200	ND	U	1600	ND	U	40
	1,2-DIBROMOETHANE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	200	ND	U	200	ND	U	200	ND	U	1600	ND	U	40
	1,2-DICHLOROBENZENE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	200	ND	U	200	ND	U	200	ND	U	1600	ND	U	40
	1,2-DICHLOROETHANE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	200	ND	U	200	ND	U	200	ND	U	1600	ND	U	40
	1,2-DICHLOROPROPANE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	200	ND	U	200	ND	U	200	ND	U	1600	ND	U	40
	1,3,5-TRIMETHYLBENZENE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	200	ND	U	200	ND	U	200	ND	U	1600	ND	U	40
	1,3-DICHLOROBENZENE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	200	ND	U	200	ND	U	200	ND	U	1600	ND	U	40
	1,4-DICHLOROBENZENE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	200	ND	U	200	ND	U	200	ND	U	1600	ND	U	40
	2-BUTANONE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	200	ND	U	200	ND	U	200	ND	U	1600	ND	U	40
	2-HEXANONE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	200	ND	U	200	ND	U	200	ND	U	1600	ND	U	40
	4-METHYL-2-PENTANONE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	200	ND	U	200	ND	U	200	ND	U	1600	ND	U	40
	ACETONE	ND	U	40	ND	U	40	1200	N/A	800	1100	N/A	800	960	N/A	800	850	N/A	400	720	N/A	200	580	N/A	200	290	N/A	200	1700	N/A	1600	540	N/A	400
	BENZENE	910	N/A	40	450	N/A	40	1200	N/A	800	2200	N/A	800	3000	N/A	800	980	N/A	400	850	N/A	200	1700	N/A	200	1300	N/A	200	ND	U	1600	180	N/A	40
	BENZENE, (CHLOROMETHYL)-	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	200	ND	U	200	ND	U	200	ND	U	1600	ND	U	40
	BROMODICHLOROMETHANE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	200	ND	U	200	ND	U	200	ND	U	1600	ND	U	40
	BROMOFORM	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	200	ND	U	200	ND	U	200	ND	U	1600	ND	U	40
	BROMOMETHANE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	200	ND	U	200	ND	U	200	ND	U	1600	ND	U	40
	CARBON DISULFIDE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	200	ND	U	200	ND	U	200	ND	U	1600	ND	U	40
	CARBON TETRACHLORIDE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	200	ND	U	200	ND	U	200	ND	U	1600	ND	U	40
	CHLOROBENZENE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	200	ND	U	200	ND	U	200	ND	U	1600	ND	U	40
	CHLOROETHANE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	200	ND	U	200	ND	U	200	ND	U	1600	ND	U	40
	CHLOROFORM	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	200	ND	U	200	ND	U	200	ND	U	1600	ND	U	40
	CHLOROMETHANE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	200	ND	U	200	ND	U	200	ND	U	1600	ND	U	40
	CIS-1,2-DICHLOROETHENE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	200	ND	U	200	ND	U	200	ND	U	1600	ND	U	40
	CIS-1,3-DICHLOROPROPENE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	200	ND	U	200	ND	U	200	ND	U	1600	ND	U	40
	CYCLOHEXANE	1700	N/A	80	1000	N/A	80	4500	N/A	1600	7400	N/A	1600	17000	N/A	1600	1200	N/A	800	2200	N/A	400	4500	N/A	400	3700	N/A	400	3400	N/A	3200	1500	N/A	80
	DIBROMOCHLOROMETHANE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	200	ND	U	200	ND	U	200	ND	U	1600	ND	U	40
	DICHLORODIFLUOROMETHANE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	200	ND	U	200	ND	U	200	ND	U	1600	ND	U	40
	ERYTHRENE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	200	ND	U	200	ND	U	200	ND	U	1600	ND	U	40
	ETHYL ACETATE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	200	ND	U	200	ND	U	200	ND	U	1600	ND	U	40
	ETHYLBENZENE	81	N/A	80	44	J	80	ND	U	1600	ND	U	1600	ND	U	1600	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	3200	ND	U	80
	FREON 113	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	200	ND	U	200	ND	U	200	ND	U	1600	ND	U	40
	HEPTANE	2000	N/A	40	1200	N/A	40	1700	N/A	800	4500	N/A	800	4300	N/A	800	910	N/A	400	1700	N/A	200	3600	N/A	200	2800	N/A	200	ND	U	1600	460	N/A	40
	HEXACHLOROBUTADIENE	ND	U	80	ND	U	80	ND	U	1600	ND	U	1600	ND	U	1600	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	3200	ND	U	80
	HEXANE	910	N/A	80	530	N/A	80	4600	N/A	1600	5800	N/A	1600	17000	N/A	1600	1300	N/A	800	1200	N/A	400	2300	N/A	400	1900	N/A	400	3200	N/A	3200	1500	N/A	80
	M,P-XYLENES	210	N/A	80	110	N/A	80	ND	U	1600	ND	U	1600	ND	U	1600	ND	U	800	200	J	400	320	J	400	ND	U	400	ND	U	3200	46	J	80
	METHYL TERT-BUTYL ETHER	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	200	ND	U	200	ND	U	200	ND	U	1600	ND	U	40
	METHYLENE CHLORIDE	ND	U	200	ND	U	200	2300	J	4000	ND	U	4000	ND	U	4000	ND	U	2000	430	J	1000	ND	U	1000	ND	U	1000	ND	U	8000	ND	U	200
	NAPHTHALENE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	200	ND	U	200	ND	U	200	ND	U	1600	ND	U	40
	O-XYLENE	54	N/A	40	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	200	ND	U	200	ND	U	200	ND	U	1600	ND	U	40
	PROPYLENE	140	N/A	40	86	N/A	40	2400	N/A	800	2500	N/A	800	2800	N/A	800	550	N/A	400	ND	U	200	340	N/A	200	510	N/A	200	5000	N/A	1600	520	N/A	40
	STYRENE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	200	ND	U	200	ND	U	200	ND	U	1600	ND	U	40
	TETRACHLOROETHENE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	200	ND	U	200	ND	U	200	ND	U	1600	ND	U	40
	THF	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	800	480	N/A	400	ND	U	200	ND	U	200	ND	U	200	ND	U	1600	ND	U	40
	TOLUENE	1600	N/A	400	1600	N/A	40	2000	N/A	800	6100	N/A	800	7400	N/A	800	1900	N/A	400	1800	N/A	200	3900	N/A	200	2800	N/A	200	1700	N/A	1600	700	N/A	40
	TRANS-1,2-DICHLOROETHENE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	200	ND	U	200	ND	U	200	ND	U	1600	ND	U	40
	TRANS-1,3-DICHLOROPROPENE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	200	ND	U	200	ND	U	200	ND	U	1600	ND	U	40
	TRICHLOROETHENE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	200	ND	U	200	ND	U	200	ND	U	1600	ND	U	40
	TRICHLOROFLUOROMETHANE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	200	ND	U	200	ND	U	200	ND	U	1600	ND	U	40
	VINYL ACETATE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	200	ND	U	200	ND	U	200	ND	U	1600	ND	U	40
	VINYL CHLORIDE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	200	ND	U	200	ND	U	200	ND	U	1600	ND	U	40
	XYLENES	260	N/A	120	110	J	120	ND	U	2400	ND	U	2400	ND	U	2400	ND	U	1200	200	J	600	320	J	600	ND	U	600	ND	U	4800	46	J	120
FIXED GASES Method D2504 (Percent)	CARBON DIOXIDE	0.16	N/A	0.1	0.11	N/A	0.1	0.12	N/A	0.1	0.088	J	0.1	0.16	N/A	0.1	0.56	N/A	0.1	0.53	N/A	0.1	0.12	N/A	0.1	0.092	J	0.1	0.1	N/A	0.1	0.078	J	0.1
	CARBON MONOXIDE	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	ND	U	0.1	ND	U	0.1
	METHANE	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5
	NITROGEN	80	N/A	0.1	79	N/A	0.1	79	N/A	0.1	79	N/A	0.1	79	N/A	0.1	79	N/A	0.1	79	N/A	0.1	80	N/A	0.1	80	N/A	0.1	80	N/A	0.1	79	N/A	0.1
	OXYGEN	20	N/A	0.1	20	N/A	0.1	21	N/A	0.1	21	N/A	0.1	20	N/A	0.1	20	N/A	0.1	20	N/A	0.1	21	N/A	0.1	21	N/A	0.1	21	N/A	0.1	21	N/A	0.1

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

Shading indicates the analyte was detected.

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

J+ = estimated value, concentration is less than PQL but greater than laboratory MDL; biased high.

J- = estimated value, concentration is less than PQL but greater than laboratory MDL; biased low.

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

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

N/A = Not applicable.

ND = Not detected.

NM = Not measured due to sample receipt condition or analyzed on initial sample.

R = Sample data rejected, data unusable

RL = Reporting Limit.

Table 4-2
Soil Vapor Analytical Results
January - March 2012

	LOCATION CODE	KAFB-106127-025			KAFB-106127-050			KAFB-106127-050			KAFB-106127-150			KAFB-106127-250			KAFB-106127-350			KAFB-106127-450			KAFB-106128-025			KAFB-106128-050			KAFB-106128-150			KAFB-106128-250		
	SAMPLE NO	VA1210			VA1211			VA1212			VA1213			VA1214			VA1215			VA1216			VA1217			VA1218			VA1219			VA1220		
	SAMPLE DATE	19-Jan-12			19-Jan-12			19-Jan-12			19-Jan-12			19-Jan-12			19-Jan-12			20-Jan-12			6-Mar-12			6-Mar-12			6-Mar-12			6-Mar-12		
	SAMPLE PURPOSE	REG			REG			FD			REG			REG			REG			REG			REG			REG			REG			REG		
	SAMPLE DEPTH	15-25 FT			40-50 FT			40-50 FT			140-150 FT			240-250 FT			340-350 FT			440-450 Ft			15-25 FT			40-50 FT			140-150 FT			240-250 FT		
Chemical Class & Analytical Method[a]	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	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
TPH (ug/m3)	C5-C8 ALIPHATIC HYDROCARBONS	510000	N/A	94000	300000	N/A	94000	710000	N/A	94000	84000	N/A	4700	230000	N/A	94000	1900000	N/A	940000	7700000	N/A	940000	130000	N/A	23000	790000	N/A	94000	1500000	N/A	94000	1500000	N/A	94000
Method MADEP	C9-C10 AROMATIC HYDROCARBONS	ND	U	110000	ND	U	110000	ND	U	110000	ND	U	5300	ND	U	110000	ND	U	1100000	ND	U	1100000	ND	U	27000	ND	U	110000	ND	U	110000	ND	U	110000
APH	C9-C12 ALIPHATIC HYDROCARBONS	ND	U	150000	ND	U	150000	ND	U	150000	1700	J	7600	ND	U	150000	ND	U	1500000	ND	U	1500000	11000	J	38000	ND	U	150000	ND	U	150000	ND	U	150000
VOCs (ppbv)	1,1,1-TRICHLOROETHANE	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	800	ND	U	8000	ND	U	800
Method TO15	1,1,2,2-TETRACHLOROETHANE	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	800	ND	U	8000	ND	U	800
	1,1,2-TRICHLOROETHANE	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	800	ND	U	8000	ND	U	800
	1,1-DICHLOROETHANE	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	800	ND	U	8000	ND	U	800
	1,1-DICHLOROETHENE	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	800	ND	U	8000	ND	U	800
	1,2,4-TRICHLOROBENZENE	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	8000	ND	UJ	400	ND	UJ	800	ND	UJ	8000	ND	UJ	800
	1,2,4-TRIMETHYLBENZENE	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	800	ND	U	8000	ND	U	800
	1,2-DIBROMOETHANE	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	800	ND	U	8000	ND	U	800
	1,2-DICHLOROBENZENE	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	800	ND	U	8000	ND	U	800
	1,2-DICHLOROETHANE	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	800	ND	U	8000	ND	U	800
	1,2-DICHLOROPROPANE	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	800	ND	U	8000	ND	U	800
	1,3,5-TRIMETHYLBENZENE	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	800	ND	U	8000	ND	U	800
	1,3-DICHLOROBENZENE	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	800	ND	U	8000	ND	U	800
	1,4-DICHLOROBENZENE	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	800	ND	U	8000	ND	U	800
	2-BUTANONE	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	800	ND	U	8000	ND	U	800
	2-HEXANONE	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	800	ND	U	8000	ND	U	800
	4-METHYL-2-PENTANONE	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	800	ND	U	8000	ND	U	800
	ACETONE	1400	N/A	800	1000	N/A	400	1000	N/A	800	ND	U	40	ND	U	800	420	N/A	400	ND	U	8000	990	N/A	400	ND	U	800	ND	U	8000	1400	N/A	800
	BENZENE	ND	U	800	530	N/A	400	1600	N/A	800	360	N/A	40	1200	N/A	800	1100	N/A	400	ND	U	8000	960	N/A	400	5800	N/A	800	ND	U	8000	1700	N/A	800
	BENZENE, (CHLOROMETHYL)-	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	800	ND	U	8000	ND	U	800
	BROMODICHLOROMETHANE	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	800	ND	U	8000	ND	U	800
	BROMOFORM	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	800	ND	U	8000	ND	U	800
	BROMOMETHANE	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	800	ND	U	8000	ND	U	800
	CARBON DISULFIDE	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	800	ND	U	8000	ND	U	800
	CARBON TETRACHLORIDE	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	800	ND	U	8000	ND	U	800
	CHLOROBENZENE	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	800	ND	U	8000	ND	U	800
	CHLOROETHANE	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	800	ND	U	8000	ND	U	800
	CHLOROFORM	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	800	ND	U	8000	ND	U	800
	CHLOROMETHANE	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	800	ND	U	8000	ND	U	800
	CIS-1,2-DICHLOROETHENE	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	800	ND	U	8000	ND	U	800
	CIS-1,3-DICHLOROPROPENE	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	800	ND	U	8000	ND	U	800
	CYCLOHEXANE	2000	N/A	1600	1400	N/A	800	4900	N/A	1600	1100	N/A	80	2600	N/A	1600	5300	N/A	800	14000	J	16000	2900	N/A	800	20000	N/A	1600	45000	N/A	16000	23000	N/A	1600
	DIBROMOCHLOROMETHANE	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	800	ND	U	8000	ND	U	800
	DICHLORODIFLUOROMETHANE	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	800	ND	U	8000	ND	U	800
	ERYTHRENE	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	800	ND	U	8000	ND	U	800
	ETHYL ACETATE	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	800	ND	U	8000	ND	U	800
	ETHYLBENZENE	ND	U	1600	ND	U	800	ND	U	1600	ND	U	80	ND	U	1600	ND	U	800	ND	U	16000	430	J	800	ND	U	1600	ND	U	16000	ND	U	1600
	FREON 113	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	800	ND	U	8000	ND	U	800
	HEPTANE	1100	N/A	800	1100	N/A	400	3500	N/A	800	940	N/A	40	1900	N/A	800	2300	N/A	400	ND	U	8000	2000	N/A	400	3500	N/A	800	8200	N/A	8000	4200	N/A	800
	HEXACHLOROBUTADIENE	ND	U	1600	ND	U	800	ND	U	1600	ND	U	80	ND	U	1600	ND	U	800	ND	U	16000	ND	U	800	ND	U	1600	ND	U	16000	ND	U	1600
	HEXANE	1500	J	1600	880	N/A	800	2500	N/A	1600	500	N/A	80	1700	N/A	1600	3800	N/A	800	14000	J	16000	1600	N/A	800	7600	N/A	1600	20000	N/A	16000	9100	N/A	1600
	M,P-XYLENES	ND	U	1600	ND	U	800	ND	U	1600	97	N/A	80	ND	U	1600	ND	U	800	ND	U	16000	1100	N/A	800	1200	J	1600	ND	U	16000	1400	J	1600
	METHYL TERT-BUTYL ETHER	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	800	ND	U	8000	ND	U	800
	METHYLENE CHLORIDE	ND	U	4000	1500	J	2000	ND	U	4000	ND	U	200	ND	U	4000	940	J	2000	ND	U	40000	ND	U	2000	ND	U	4000	ND	U	40000	ND	U	4000
	NAPHTHALENE	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	8000	ND	UJ	400	ND	UJ	800	ND	UJ	8000	ND	UJ	800
	O-XYLENE	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	800	ND	U	8000	ND	U	800
	PROPYLENE	2000	N/A	800	1000	N/A	400	2300	N/A	800	ND	U	40	2200	N/A	800	1400	N/A	400	22000	N/A	8000	ND	U	400	ND	U	800	ND	U	8000	ND	U	800
	STYRENE	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	800	ND	U	8000	ND	U	800
	TETRACHLOROETHENE	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	800	ND	U	8000	ND	U	800
	THF	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	800	ND	U	8000	ND	U	800
	TOLUENE	990	N/A	800	1200	N/A	400	3000	N/A	800	1300	N/A	40	2600	N/A	800	2600	N/A	400	ND	U	8000	2900	N/A	400	2800	N/A	800	ND	U	8000	4000	N/A	800
	TRANS-1,2-DICHLOROETHENE	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	800	ND	U	8000	ND	U	800
	TRANS-1,3-DICHLOROPROPENE	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	800	ND	U	8000	ND	U	800
	TRICHLOROETHENE	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	800	ND	U	8000	ND	U	800
	TRICHLOROFLUOROMETHANE	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	800	ND	U	8000	ND	U	800
	VINYL ACETATE	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	800	ND	U	8000	ND	U	800
	VINYL CHLORIDE	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	800	ND	U	8000	ND	U	800
	XYLENES	ND	U	2400	ND	U	1200	ND	U	2400	97	J	120	ND	U	2400	ND	U	1200	ND	U	24000	1100	J	1200	1200	J	2400	ND	U	24000	1400	J	2400
FIXED GASES	CARBON DIOXIDE	0.17	N/A	0.1	0.052	J	0.1	0.2	N/A	0.1	0.14	N/A	0.1	0.13	N/A	0.1	0.11	N/A	0.1	0.057	J	0.1	0.96	N/A	0.1	2	N/A	0.1	0.1	N/A	0.1	3.6	N/A	0.1
Method D2504	CARBON MONOXIDE	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	ND	U	0.1	ND	U	0.1
(Percent)	METHANE	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5
	NITROGEN	79	N/A	0.1	78	N/A	0.1	78	N/A	0.1	80	N/A	0.1	80	N/A	0.1	80	N/A	0.1	80	N/A	0.1	80	N/A	0.1	80	N/A	0.1	78	N/A	0.1	84	N/A	0.1
	OXYGEN	21	N/A	0.1	21	N/A	0.1	21	N/A	0.1	20	N/A	0.1	21	N/A	0.1	21	N/A	0.1	21	N/A	0.1	18	N/A	0.1	16	N/A	0.1	21	N/A	0.1	12	N/A	0.1

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

Shading indicates the analyte was detected.

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

J+ = estimated value, concentration is less than PQL but greater than laboratory MDL; biased high.

J- = estimated value, concentration is less than PQL but greater than laboratory MDL; biased low.

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

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

N/A = Not applicable.

ND = Not detected.

NM = Not measured due to sample receipt condition or analyzed on initial sample.

R = Sample data rejected, data unusable

RL = Reporting Limit.

Table 4-2
Soil Vapor Analytical Results
January - March 2012

	LOCATION CODE	KAFB-106128-350			KAFB-106128-350			KAFB-106128-450			KAFB-106129-025			KAFB-106129-050			KAFB-106129-150			KAFB-106129-250			KAFB-106129-350			KAFB-106129-450			KAFB-106130-025			KAFB-106130-050		
	SAMPLE NO	VA1221			VA1222			VA1223			VA1224			VA1225			VA1226			VA1227			VA1228			VA1229			VA1230			VA1231		
	SAMPLE DATE	6-Mar-12			6-Mar-12			6-Mar-12			5-Mar-12			5-Mar-12			5-Mar-12			5-Mar-12			5-Mar-12			5-Mar-12			12-Jan-12			12-Jan-12		
	SAMPLE PURPOSE	REG			FD			REG			REG			REG			REG			REG			REG			REG			REG			REG		
	SAMPLE DEPTH	340-350 FT			340-350 FT			440-450 FT			15-25 FT			40-50 FT			140-150 FT			240-250 FT			337-347 FT			441-451 FT			15-25 FT			40-50 ft		
Chemical Class & Analytical Method[a]	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	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
TPH (ug/m3)	C5-C8 ALIPHATIC HYDROCARBONS	1.7E+07	N/A	2300000	1.4E+07	N/A	2300000	5.3E+07	N/A	4700000	580000	N/A	47000	390000	N/A	47000	12000	N/A	4700	2100000	N/A	190000	2800000	N/A	940000	1.4E+07	N/A	940000	2300000	N/A	940000	780000	N/A	190000
Method MADEP	C9-C10 AROMATIC HYDROCARBONS	ND	U	2700000	ND	U	2700000	ND	U	5300000	ND	U	53000	ND	U	53000	ND	U	5300	ND	U	210000	ND	U	1100000	ND	U	1100000	ND	U	1100000	ND	U	210000
APH	C9-C12 ALIPHATIC HYDROCARBONS	ND	U	3800000	ND	U	3800000	ND	U	7600000	ND	U	76000	ND	U	76000	ND	U	7600	ND	U	300000	ND	U	1500000	ND	U	1500000	ND	U	1500000	ND	U	300000
VOCs (ppbv)	1,1,1-TRICHLOROETHANE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	1600	ND	U	800	ND	U	8000	ND	U	8000	ND	U	8000
Method TO15	1,1,2,2-TETRACHLOROETHANE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	1600	ND	U	800	ND	U	8000	ND	U	8000	ND	U	8000
	1,1,2-TRICHLOROETHANE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	1600	ND	U	800	ND	U	8000	ND	U	8000	ND	U	8000
	1,1-DICHLOROETHANE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	1600	ND	U	800	ND	U	8000	ND	U	8000	ND	U	8000
	1,1-DICHLOROETHENE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	1600	ND	U	800	ND	U	8000	ND	U	8000	ND	U	8000
	1,2,4-TRICHLOROBENZENE	ND	UJ	8000	ND	UJ	8000	ND	UJ	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	1600	ND	U	800	ND	U	8000	ND	U	8000	ND	U	8000
	1,2,4-TRIMETHYLBENZENE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	1600	ND	U	800	ND	U	8000	ND	U	8000	ND	U	8000
	1,2-DIBROMOETHANE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	1600	ND	U	800	ND	U	8000	ND	U	8000	ND	U	8000
	1,2-DICHLOROBENZENE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	1600	ND	U	800	ND	U	8000	ND	U	8000	ND	U	8000
	1,2-DICHLOROETHANE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	1600	ND	U	800	ND	U	8000	ND	U	8000	ND	U	8000
	1,2-DICHLOROPROPANE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	1600	ND	U	800	ND	U	8000	ND	U	8000	ND	U	8000
	1,3,5-TRIMETHYLBENZENE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	1600	ND	U	800	ND	U	8000	ND	U	8000	ND	U	8000
	1,3-DICHLOROBENZENE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	1600	ND	U	800	ND	U	8000	ND	U	8000	ND	U	8000
	1,4-DICHLOROBENZENE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	1600	ND	U	800	ND	U	8000	ND	U	8000	ND	U	8000
	2-BUTANONE	ND	U	8000	ND	U	8000	21000	N/A	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	1600	ND	U	800	ND	U	8000	ND	U	8000	ND	U	8000
	2-HEXANONE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	1600	ND	U	800	ND	U	8000	ND	U	8000	ND	U	8000
	4-METHYL-2-PENTANONE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	1600	ND	U	800	ND	U	8000	ND	U	8000	ND	U	8000
	ACETONE	ND	U	8000	ND	U	8000	60000	N/A	8000	720	N/A	400	500	N/A	400	ND	U	40	ND	U	1600	ND	U	800	ND	U	8000	ND	U	8000	ND	U	8000
	BENZENE	200000	N/A	8000	250000	N/A	8000	870000	N/A	40000	890	N/A	400	1100	N/A	400	56	N/A	40	4300	N/A	1600	8300	N/A	800	140000	N/A	8000	62000	N/A	8000	17000	N/A	8000
	BENZENE, (CHLOROMETHYL)-	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	1600	ND	U	800	ND	U	8000	ND	U	8000	ND	U	8000
	BROMODICHLOROMETHANE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	1600	ND	U	800	ND	U	8000	ND	U	8000	ND	U	8000
	BROMOFORM	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	1600	ND	U	800	ND	U	8000	ND	U	8000	ND	U	8000
	BROMOMETHANE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	1600	ND	U	800	ND	U	8000	ND	U	8000	ND	U	8000
	CARBON DISULFIDE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	1600	ND	U	800	ND	U	8000	ND	U	8000	ND	U	8000
	CARBON TETRACHLORIDE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	1600	ND	U	800	ND	U	8000	ND	U	8000	ND	U	8000
	CHLOROBENZENE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	1600	ND	U	800	ND	U	8000	ND	U	8000	ND	U	8000
	CHLOROETHANE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	1600	ND	U	800	ND	U	8000	ND	U	8000	ND	U	8000
	CHLOROFORM	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	1600	ND	U	800	ND	U	8000	ND	U	8000	ND	U	8000
	CHLOROMETHANE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	1600	ND	U	800	ND	U	8000	ND	U	8000	ND	U	8000
	CIS-1,2-DICHLOROETHENE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	1600	ND	U	800	ND	U	8000	ND	U	8000	ND	U	8000
	CIS-1,3-DICHLOROPROPENE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	1600	ND	U	800	ND	U	8000	ND	U	8000	ND	U	8000
	CYCLOHEXANE	550000	N/A	40000	570000	N/A	16000	1900000	N/A	80000	7800	N/A	800	7600	N/A	800	280	N/A	80	26000	N/A	3200	20000	N/A	1600	240000	N/A	16000	170000	N/A	16000	27000	N/A	16000
	DIBROMOCHLOROMETHANE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	1600	ND	U	800	ND	U	8000	ND	U	8000	ND	U	8000
	DICHLORODIFLUOROMETHANE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	1600	ND	U	800	ND	U	8000	ND	U	8000	ND	U	8000
	ERYTHRENE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	1600	ND	U	800	ND	U	8000	ND	U	8000	ND	U	8000
	ETHYL ACETATE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	1600	ND	U	800	ND	U	8000	ND	U	8000	ND	U	8000
	ETHYLBENZENE	ND	U	16000	ND	U	16000	9000	J	16000	ND	U	800	ND	U	800	ND	U	80	ND	U	3200	ND	U	1600	ND	U	16000	ND	U	16000	ND	U	16000
	FREON 113	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	1600	ND	U	800	ND	U	8000	ND	U	8000	ND	U	8000
	HEPTANE	320000	N/A	8000	310000	N/A	8000	1000000	N/A	40000	1800	N/A	400	2300	N/A	400	120	N/A	40	4100	N/A	1600	2800	N/A	800	170000	N/A	8000	83000	N/A	8000	36000	N/A	8000
	HEXACHLOROBUTADIENE	ND	U	16000	ND	U	16000	ND	U	16000	ND	U	800	ND	U	800	ND	U	80	ND	U	3200	ND	U	1600	ND	U	16000	ND	U	16000	ND	U	16000
	HEXANE	470000	N/A	40000	400000	N/A	40000	3000000	N/A	160000	3500	N/A	800	3500	N/A	800	ND	U	80	16000	N/A	3200	14000	N/A	1600	200000	N/A	16000	190000	N/A	16000	22000	N/A	16000
	M,P-XYLENES	12000	J	16000	12000	J	16000	28000	N/A	16000	ND	U	800	680	J	800	64	J	80	ND	U	3200	ND	U	1600	13000	J	16000	ND	U	16000	ND	U	16000
	METHYL TERT-BUTYL ETHER	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	1600	ND	U	800	ND	U	8000	ND	U	8000	ND	U	8000
	METHYLENE CHLORIDE	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	2000	ND	U	2000	ND	U	200	ND	U	8000	ND	U	4000	ND	U	40000	ND	U	40000	ND	U	40000
	NAPHTHALENE	ND	UJ	8000	ND	UJ	8000	ND	UJ	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	1600	ND	U	800	ND	U	8000	ND	U	8000	ND	U	8000
	O-XYLENE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	1600	ND	U	800	ND	U	8000	ND	U	8000	ND	U	8000
	PROPYLENE	9900	N/A	8000	9400	N/A	8000	57000	N/A	8000	ND	U	400	ND	U	400	ND	U	40	1800	N/A	1600	3900	N/A	800	14000	N/A	8000	17000	N/A	8000	ND	U	8000
	STYRENE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	1600	ND	U	800	ND	U	8000	ND	U	8000	ND	U	8000
	TETRACHLOROETHENE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	1600	ND	U	800	ND	U	8000	ND	U	8000	ND	U	8000
	THF	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	1600	ND	U	800	ND	U	8000	ND	U	8000	ND	U	8000
	TOLUENE	280000	N/A	8000	280000	N/A	8000	790000	N/A	40000	1300	N/A	400	2900	N/A	400	200	N/A	40	8900	N/A	1600	10000	N/A	800	200000	N/A	8000	98000	N/A	8000	37000	N/A	8000
	TRANS-1,2-DICHLOROETHENE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	1600	ND	U	800	ND	U	8000	ND	U	8000	ND	U	8000
	TRANS-1,3-DICHLOROPROPENE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	1600	ND	U	800	ND	U	8000	ND	U	8000	ND	U	8000
	TRICHLOROETHENE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	1600	ND	U	800	ND	U	8000	ND	U	8000	ND	U	8000
	TRICHLOROFLUOROMETHANE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	1600	ND	U	800	ND	U	8000	ND	U	8000	ND	U	8000
	VINYL ACETATE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	1600	ND	U	800	ND	U	8000	ND	U	8000	ND	U	8000
	VINYL CHLORIDE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	1600	ND	U	800	ND	U	8000	ND	U	8000	ND	U	8000
	XYLENES	12000	J	24000	12000	J	24000	28000	N/A	24000	ND	U	1200	680	J	1200	64	J	120	ND	U	4800	ND	U	2400	13000	J	24000	ND	U	24000	ND	U	24000
FIXED GASES	CARBON DIOXIDE	0.45	N/A	0.1	0.44	N/A	0.1	1.4	N/A	0.1	0.2	N/A	0.1	0.16	N/A	0.1	0.18	N/A	0.1	0.15	N/A	0.1	0.41	N/A	0.1	0.4	N/A	0.1	0.15	N/A	0.1	0.14	N/A	0.1
Method D2504	CARBON MONOXIDE	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	ND	U	0.1	ND	U	0.1
(Percent)	METHANE	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5
	NITROGEN	79	N/A	0.1	80	N/A	0.1	80	N/A	0.1	79	N/A	0.1	79	N/A	0.1	80	N/A	0.1	79	N/A	0.1	81	N/A	0.1	81	N/A	0.1	78	N/A	0.1	78	N/A	0.1
	OXYGEN	19	N/A	0.1	19	N/A	0.1	15	N/A	0.1	20	N/A	0.1	21	N/A	0.1	19	N/A	0.1	21	N/A	0.1	18	N/A	0.1	18	N/A	0.1	20	N/A	0.1	20	N/A	0.1

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

Shading indicates the analyte was detected.

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

J+ = estimated value, concentration is less than PQL but greater than laboratory MDL; biased high.

J- = estimated value, concentration is less than PQL but greater than laboratory MDL; biased low.

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

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

N/A = Not applicable.

ND = Not detected.

NM = Not measured due to sample receipt condition or analyzed on initial sample.

R = Sample data rejected, data unusable

RL = Reporting Limit.

Table 4-2
Soil Vapor Analytical Results
January - March 2012

	LOCATION CODE	KAFB-106130-050			KAFB-106130-150			KAFB-106130-250			KAFB-106130-350			KAFB-106130-450			KAFB-106131-025			KAFB-106131-055			KAFB-106131-150			KAFB-106131-245			KAFB-106131-350			KAFB-106131-350		
	SAMPLE NO	VA1232			VA1233			VA1234			VA1235			VA1236			VA1237			VA1238			VA1239			VA1240			VA1241			VA1242		
	SAMPLE DATE	12-Jan-12			12-Jan-12			12-Jan-12			13-Jan-12			13-Jan-12			12-Mar-12			12-Mar-12			12-Mar-12			13-Mar-12			13-Mar-12			13-Mar-12		
	SAMPLE PURPOSE	FD			REG			REG			REG			REG			REG			REG			REG			REG			REG			FD		
	SAMPLE DEPTH	40-50 ft			140-150 ft			240-250 ft			340-350 ft			440-450 ft			15-25 FT			45-55 FT			140-150 FT			235-245 FT			340-350 FT			340-350 FT		
Chemical Class & Analytical Method[a]	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	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
TPH (ug/m3) Method MADEP APH	C5-C8 ALIPHATIC HYDROCARBONS	2700000	N/A	940000	170000	N/A	47000	82000	N/A	4700	3700000	N/A	940000	8200000	N/A	940000	560000	N/A	47000	550000	N/A	47000	140000	N/A	23000	240000	N/A	47000	560000	N/A	47000	480000	N/A	47000
	C9-C10 AROMATIC HYDROCARBONS	ND	U	1100000	ND	U	53000	ND	U	5300	ND	U	1100000	ND	U	1100000	ND	U	53000	ND	U	53000	ND	U	27000	ND	U	53000	ND	U	53000	ND	U	53000
	C9-C12 ALIPHATIC HYDROCARBONS	ND	U	1500000	ND	U	76000	7700	N/A	7600	ND	U	1500000	ND	U	1500000	18000	J	76000	11000	J	76000	ND	U	38000	10000	J	76000	13000	J	76000	17000	J	76000
VOCs (ppbv) Method TO15	1,1,1-TRICHLOROETHANE	ND	U	8000	ND	U	400	ND	U	40	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400
	1,1,2,2-TETRACHLOROETHANE	ND	U	8000	ND	U	400	ND	U	40	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400
	1,1,2-TRICHLOROETHANE	ND	U	8000	ND	U	400	ND	U	40	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400
	1,1-DICHLOROETHANE	ND	U	8000	ND	U	400	ND	U	40	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400
	1,1-DICHLOROETHENE	ND	U	8000	ND	U	400	ND	U	40	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400
	1,2,4-TRICHLOROBENZENE	ND	U	8000	ND	U	400	ND	U	40	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400
	1,2,4-TRIMETHYLBENZENE	ND	U	8000	ND	U	400	ND	U	40	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400
	1,2-DIBROMOETHANE	ND	U	8000	ND	U	400	ND	U	40	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400
	1,2-DICHLOROBENZENE	ND	U	8000	ND	U	400	ND	U	40	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400
	1,2-DICHLOROETHANE	ND	U	8000	ND	U	400	ND	U	40	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400
	1,2-DICHLOROPROPANE	ND	U	8000	ND	U	400	ND	U	40	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400
	1,3,5-TRIMETHYLBENZENE	ND	U	8000	ND	U	400	ND	U	40	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400
	1,3-DICHLOROBENZENE	ND	U	8000	ND	U	400	ND	U	40	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400
	1,4-DICHLOROBENZENE	ND	U	8000	ND	U	400	ND	U	40	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400
	2-BUTANONE	ND	U	8000	ND	U	400	ND	U	40	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400
	2-HEXANONE	ND	U	8000	ND	U	400	ND	U	40	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400
	4-METHYL-2-PENTANONE	ND	U	8000	ND	U	400	ND	U	40	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400
	ACETONE	ND	U	8000	460	N/A	400	ND	U	40	ND	U	8000	ND	U	8000	1300	N/A	400	ND	U	400	ND	U	40	840	N/A	400	1100	N/A	400	2100	N/A	400
	BENZENE	49000	N/A	8000	2300	N/A	400	1300	N/A	40	14000	N/A	8000	84000	N/A	8000	2700	N/A	400	2000	N/A	400	810	N/A	40	2800	N/A	400	4200	N/A	400	3500	N/A	400
	BENZENE, (CHLOROMETHYL)-	ND	U	8000	ND	U	400	ND	U	40	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400
	BROMODICHLOROMETHANE	ND	U	8000	ND	U	400	ND	U	40	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400
	BROMOFORM	ND	U	8000	ND	U	400	ND	U	40	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400
	BROMOMETHANE	ND	U	8000	ND	U	400	ND	U	40	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400
	CARBON DISULFIDE	ND	U	8000	ND	U	400	ND	U	40	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400
	CARBON TETRACHLORIDE	ND	U	8000	ND	U	400	ND	U	40	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400
	CHLOROBENZENE	ND	U	8000	ND	U	400	ND	U	40	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400
	CHLOROETHANE	ND	U	8000	ND	U	400	ND	U	40	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400
	CHLOROFORM	ND	U	8000	ND	U	400	ND	U	40	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400
	CHLOROMETHANE	ND	U	8000	ND	U	400	ND	U	40	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400
	CIS-1,2-DICHLOROETHENE	ND	U	8000	ND	U	400	ND	U	40	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400
	CIS-1,3-DICHLOROPROPENE	ND	U	8000	ND	U	400	ND	U	40	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400
	CYCLOHEXANE	83000	N/A	16000	2300	N/A	800	1800	N/A	80	57000	N/A	16000	240000	N/A	16000	6700	N/A	800	6700	N/A	800	1300	N/A	80	3900	N/A	800	6400	N/A	800	5100	N/A	800
	DIBROMOCHLOROMETHANE	ND	U	8000	ND	U	400	ND	U	40	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400
	DICHLORODIFLUOROMETHANE	ND	U	8000	ND	U	400	ND	U	40	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400
	ERYTHRENE	ND	U	8000	ND	U	400	ND	U	40	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400
	ETHYL ACETATE	ND	U	8000	ND	U	400	ND	U	40	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400
	ETHYLBENZENE	ND	U	16000	540	J	800	170	N/A	80	ND	U	16000	ND	U	16000	ND	U	800	ND	U	800	110	N/A	80	ND	U	800	ND	U	800	ND	U	800
	FREON 113	ND	U	8000	ND	U	400	ND	U	40	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400
	HEPTANE	110000	N/A	8000	3100	N/A	400	2300	N/A	400	18000	N/A	8000	110000	N/A	8000	5200	N/A	400	3700	N/A	400	1400	N/A	40	3600	N/A	400	3000	N/A	400	2600	N/A	400
	HEXACHLOROBUTADIENE	ND	U	16000	ND	U	800	ND	U	80	ND	U	16000	ND	U	16000	ND	U	800	ND	U	800	ND	U	80	ND	U	800	ND	U	800	ND	U	800
	HEXANE	70000	N/A	16000	2000	N/A	800	1400	N/A	80	46000	N/A	16000	240000	N/A	16000	3100	N/A	800	3500	N/A	800	770	N/A	80	2600	N/A	800	4900	N/A	800	4500	N/A	800
	M,P-XYLENES	10000	J	16000	1600	N/A	800	550	N/A	80	ND	U	16000	ND	U	16000	1400	N/A	800	1000	N/A	800	410	N/A	80	1100	N/A	800	1000	N/A	800	930	N/A	800
	METHYL TERT-BUTYL ETHER	ND	U	8000	ND	U	400	ND	U	40	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400
	METHYLENE CHLORIDE	ND	U	40000	ND	U	2000	ND	U	200	ND	U	40000	ND	U	40000	ND	U	2000	ND	U	2000	ND	U	200	940	J	2000	ND	U	2000	1300	J	2000
	NAPHTHALENE	ND	U	8000	ND	U	400	ND	U	40	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400
	O-XYLENE	ND	U	8000	460	N/A	400	130	N/A	40	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	100	N/A	40	ND	U	400	ND	U	400	ND	U	400
	PROPYLENE	ND	U	8000	650	N/A	400	140	N/A	40	16000	N/A	8000	20000	N/A	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	400	450	N/A	400	ND	U	400
	STYRENE	ND	U	8000	ND	U	400	ND	U	40	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400
	TETRACHLOROETHENE	ND	U	8000	ND	U	400	ND	U	40	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400
	THF	ND	U	8000	ND	U	400	ND	U	40	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400
	TOLUENE	120000	N/A	8000	10000	N/A	400	4600	N/A	400	23000	N/A	8000	74000	N/A	8000	9500	N/A	400	7000	N/A	400	5400	N/A	400	9100	N/A	400	9100	N/A	400	7700	N/A	400
	TRANS-1,2-DICHLOROETHENE	ND	U	8000	ND	U	400	ND	U	40	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400
	TRANS-1,3-DICHLOROPROPENE	ND	U	8000	ND	U	400	ND	U	40	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400
	TRICHLOROETHENE	ND	U	8000	ND	U	400	ND	U	40	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400
	TRICHLOROFLUOROMETHANE	ND	U	8000	ND	U	400	ND	U	40	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400
	VINYL ACETATE	ND	U	8000	ND	U	400	ND	U	40	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400
	VINYL CHLORIDE	ND	U	8000	ND	U	400	ND	U	40	ND	U	8000	ND	U	8000	ND	U	400	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	400
	XYLENES	10000	J	24000	2100	N/A	1200	680	N/A	120	ND	U	24000	ND	U	24000	1400	N/A	1200	1000	J	1200	520	N/A	120	1100	J	1200	1000	J	1200	930	J	1200
FIXED GASES Method D2504 (Percent)	CARBON DIOXIDE	0.15	N/A	0.1	0.31	N/A	0.1	0.94	N/A	0.1	0.83	N/A	0.1	0.14	N/A	0.1	0.16	N/A	0.1	0.17	N/A	0.1	0.29	N/A	0.1	0.46	N/A	0.1	0.16	N/A	0.1	0.12	N/A	0.1
	CARBON MONOXIDE	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	ND	U	0.1	ND	U	0.1
	METHANE	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5
	NITROGEN	78	N/A	0.1	79	N/A	0.1	79	N/A	0.1	80	N/A	0.1	78	N/A	0.1	81	N/A	0.1	80	N/A	0.1	80	N/A	0.1	79	N/A	0.1	79	N/A	0.1	79	N/A	0.1
	OXYGEN	20	N/A	0.1	19	N/A	0.1	18	N/A	0.1	17	N/A	0.1	20	N/A	0.1	20	N/A	0.1	20	N/A	0.1	20	N/A	0.1	20	N/A	0.1	20	N/A	0.1	20	N/A	0.1

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

Shading indicates the analyte was detected.

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

J+ = estimated value, concentration is less than PQL but greater than laboratory MDL; biased high.

J- = estimated value, concentration is less than PQL but greater than laboratory MDL; biased low.

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

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

N/A = Not applicable.

ND = Not detected.

NM = Not measured due to sample receipt condition or analyzed on initial sample.

R = Sample data rejected, data unusable

RL = Reporting Limit.

Table 4-2
Soil Vapor Analytical Results
January - March 2012

	LOCATION CODE	KAFB-106131-450			KAFB-106132-025			KAFB-106132-050			KAFB-106132-175			KAFB-106132-250			KAFB-106132-350			KAFB-106132-450			KAFB-106133-025			KAFB-106133-050			KAFB-106133-050			KAFB-106133-170		
	SAMPLE NO	VA1243			VA1244			VA1245			VA1246			VA1247			VA1248			VA1249			VA1250			VA1251			VA1252			VA1253		
	SAMPLE DATE	13-Mar-12			12-Mar-12			12-Mar-12			12-Mar-12			12-Mar-12			12-Mar-12			12-Mar-12			16-Jan-12			16-Jan-12			16-Jan-12			16-Jan-12		
	SAMPLE PURPOSE	REG			REG			REG			REG			REG			REG			REG			REG			REG			FD			REG		
	SAMPLE DEPTH	430-440 FT			15-25 FT			40-50 FT			165-175 FT			240-250 FT			340-350 FT			440-450 FT			15-25 FT			40-50 FT			40-50 FT			160-170 FT		
Chemical Class & Analytical Method[a]	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	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
TPH (ug/m3) Method MADEP APH	C5-C8 ALIPHATIC HYDROCARBONS	9400000	N/A	2300000	33000	N/A	4700	34000	N/A	4700	30000	N/A	4700	42000	N/A	4700	190000	N/A	23000	2600000	N/A	940000	92000	N/A	4700	88000	N/A	4700	290000	N/A	47000	520000	N/A	47000
	C9-C10 AROMATIC HYDROCARBONS	ND	U	2700000	ND	U	5300	ND	U	5300	ND	U	5300	ND	U	5300	ND	U	27000	ND	U	1100000	ND	U	5300	ND	U	5300	ND	U	53000	ND	U	53000
	C9-C12 ALIPHATIC HYDROCARBONS	ND	U	3800000	1600	J	7600	ND	U	7600	ND	U	7600	1200	J	7600	ND	U	38000	ND	U	1500000	2000	J	7600	2600	J	7600	ND	U	76000	11000	J	76000
VOCs (ppbv) Method TO15	1,1,1-TRICHLOROETHANE	ND	U	8000	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400
	1,1,2,2-TETRACHLOROETHANE	ND	U	8000	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400
	1,1,2-TRICHLOROETHANE	ND	U	8000	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400
	1,1-DICHLOROETHANE	ND	U	8000	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400
	1,1-DICHLOROETHENE	ND	U	8000	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400
	1,2,4-TRICHLOROBENZENE	ND	U	8000	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400
	1,2,4-TRIMETHYLBENZENE	ND	U	8000	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400
	1,2-DIBROMOETHANE	ND	U	8000	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400
	1,2-DICHLOROBENZENE	ND	U	8000	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400
	1,2-DICHLOROETHANE	ND	U	8000	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400
	1,2-DICHLOROPROPANE	ND	U	8000	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400
	1,3,5-TRIMETHYLBENZENE	ND	U	8000	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400
	1,3-DICHLOROBENZENE	ND	U	8000	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400
	1,4-DICHLOROBENZENE	ND	U	8000	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400
	2-BUTANONE	ND	U	8000	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400
	2-HEXANONE	ND	U	8000	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400
	4-METHYL-2-PENTANONE	ND	U	8000	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400
	ACETONE	ND	U	8000	1000	N/A	400	ND	U	40	ND	U	40	ND	U	40	470	N/A	400	1100	N/A	800	ND	U	40	ND	U	40	630	N/A	400	950	N/A	400
	BENZENE	77000	N/A	8000	3700	N/A	400	400	N/A	40	420	N/A	40	530	N/A	40	3800	N/A	400	1300	N/A	800	7800	N/A	400	1600	N/A	40	6200	N/A	400	3300	N/A	400
	BENZENE, (CHLOROMETHYL)-	ND	U	8000	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400
	BROMODICHLOROMETHANE	ND	U	8000	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400
	BROMOFORM	ND	U	8000	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400
	BROMOMETHANE	ND	U	8000	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400
	CARBON DISULFIDE	ND	U	8000	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400
	CARBON TETRACHLORIDE	ND	U	8000	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400
	CHLOROBENZENE	ND	U	8000	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400
	CHLOROETHANE	ND	U	8000	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400
	CHLOROFORM	ND	U	8000	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400
	CHLOROMETHANE	ND	U	8000	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400
	CIS-1,2-DICHLOROETHENE	ND	U	8000	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400
	CIS-1,3-DICHLOROPROPENE	ND	U	8000	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400
	CYCLOHEXANE	120000	N/A	16000	6600	N/A	800	560	N/A	80	590	N/A	80	810	N/A	80	6700	N/A	800	4100	N/A	1600	10000	N/A	800	4100	N/A	800	9000	N/A	800	7200	N/A	800
	DIBROMOCHLOROMETHANE	ND	U	8000	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400
	DICHLORODIFLUOROMETHANE	ND	U	8000	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400
	ERYTHRENE	ND	U	8000	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400
	ETHYL ACETATE	ND	U	8000	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400
	ETHYLBENZENE	ND	U	16000	ND	U	800	44	J	80	40	J	80	57	J	80	ND	U	800	ND	U	1600	80	N/A	80	95	N/A	80	410	J	800	440	J	800
	FREON 113	ND	U	8000	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400
	HEPTANE	60000	N/A	8000	3900	N/A	400	680	N/A	40	690	N/A	40	920	N/A	40	3700	N/A	400	2600	N/A	800	2000	N/A	40	1800	N/A	40	8000	N/A	400	7500	N/A	400
	HEXACHLOROBUTADIENE	ND	U	16000	ND	U	800	ND	U	80	ND	U	80	ND	U	80	ND	U	800	ND	U	1600	ND	U	80	ND	U	80	ND	U	800	ND	U	800
	HEXANE	110000	N/A	16000	5500	N/A	800	360	N/A	80	380	N/A	80	480	N/A	80	6100	N/A	800	3400	N/A	1600	1900	N/A	80	1500	N/A	80	5700	N/A	800	4400	N/A	800
	M,P-XYLENES	ND	U	16000	700	J	800	150	N/A	80	140	N/A	80	200	N/A	80	950	N/A	800	850	J	1600	220	N/A	80	280	N/A	80	1100	N/A	800	1200	N/A	800
	METHYL TERT-BUTYL ETHER	ND	U	8000	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400
	METHYLENE CHLORIDE	ND	U	40000	ND	U	2000	ND	U	200	ND	U	200	ND	U	200	ND	U	2000	ND	U	4000	ND	U	200	ND	U	200	1200	J	2000	1600	J	2000
	NAPHTHALENE	ND	U	8000	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400
	O-XYLENE	ND	U	8000	ND	U	400	ND	U	40	ND	U	40	49	N/A	40	ND	U	400	ND	U	800	52	N/A	40	66	N/A	40	ND	U	400	ND	U	400
	PROPYLENE	ND	U	8000	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400	900	N/A	800	63	N/A	40	56	N/A	40	530	N/A	400	ND	U	400
	STYRENE	ND	U	8000	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400
	TETRACHLOROETHENE	ND	U	8000	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400
	THF	ND	U	8000	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400
	TOLUENE	110000	N/A	8000	6200	N/A	400	1100	N/A	40	1000	N/A	40	1400	N/A	40	9900	N/A	400	5400	N/A	800	14000	N/A	400	7900	N/A	400	15000	N/A	400	9900	N/A	400
	TRANS-1,2-DICHLOROETHENE	ND	U	8000	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400
	TRANS-1,3-DICHLOROPROPENE	ND	U	8000	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400
	TRICHLOROETHENE	ND	U	8000	ND	U	400	ND	U	40	65	N/A	40	54	N/A	40	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400
	TRICHLOROFLUOROMETHANE	ND	U	8000	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400
	VINYL ACETATE	ND	U	8000	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400
	VINYL CHLORIDE	ND	U	8000	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400
	XYLENES	ND	U	24000	700	J	1200	150	N/A	120	140	N/A	120	250	N/A	120	950	J	1200	850	J	2400	270	N/A	120	340	N/A	120	1100	J	1200	1200	N/A	1200
FIXED GASES Method D2504 (Percent)	CARBON DIOXIDE	0.39	N/A	0.1	0.62	N/A	0.1	0.07	J	0.1	0.044	J	0.1	0.045	J	0.1	0.52	N/A	0.1	0.07	J	0.1	0.9	N/A	0.1	0.78	N/A	0.1	0.81	N/A	0.1	0.34	N/A	0.1
	CARBON MONOXIDE	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	ND	U	0.1	ND	U	0.1
	METHANE	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5
	NITROGEN	80	N/A	0.1	80	N/A	0.1	79	N/A	0.1	79	N/A	0.1	79	N/A	0.1	80	N/A	0.1	79	N/A	0.1	78	N/A	0.1	78	N/A	0.1	78	N/A	0.1	79	N/A	0.1
	OXYGEN	18	N/A	0.1	20	N/A	0.1	21	N/A	0.1	21	N/A	0.1	21	N/A	0.1	20	N/A	0.1	21	N/A	0.1	19	N/A	0.1	19	N/A	0.1	19	N/A	0.1	19	N/A	0.1

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

Shading indicates the analyte was detected.

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

J+ = estimated value, concentration is less than PQL but greater than laboratory MDL; biased high.

J- = estimated value, concentration is less than PQL but greater than laboratory MDL; biased low.

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

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

N/A = Not applicable.

ND = Not detected.

NM = Not measured due to sample receipt condition or analyzed on initial sample.

R = Sample data rejected, data unusable

RL = Reporting Limit.

Table 4-2
Soil Vapor Analytical Results
January - March 2012

	LOCATION CODE	KAFB-106133-250			KAFB-106133-350			KAFB-106133-450			KAFB-106134-025			KAFB-106134-050			KAFB-106134-170			KAFB-106134-250			KAFB-106134-350			KAFB-106134-350			KAFB-106134-450			KAFB-106135-025		
	SAMPLE NO	VA1254			VA1255			VA1256			VA1257			VA1258			VA1259			VA1260			VA1261			VA1262			VA1263			VA1264		
	SAMPLE DATE	16-Jan-12			16-Jan-12			16-Jan-12			16-Jan-12			16-Jan-12			16-Jan-12			16-Jan-12			17-Jan-12			17-Jan-12			17-Jan-12			16-Jan-12		
	SAMPLE PURPOSE	REG			REG			REG			REG			REG			REG			REG			REG			FD			REG			REG		
	SAMPLE DEPTH	240-250 FT			339-349 FT			439-449 FT			15-25 FT			40-50 FT			160-170 FT			240-250 FT			340-350 Ft			340-350 Ft			440-450 Ft			15-25 FT		
Chemical Class & Analytical Method[a]	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	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
TPH (ug/m3) Method MADEP APH	C5-C8 ALIPHATIC HYDROCARBONS	170000	N/A	23000	1700000	N/A	190000	850000	N/A	47000	770000	N/A	47000	350000	N/A	94000	110000	N/A	47000	24000	N/A	4700	340000	N/A	47000	310000	N/A	47000	2500000	N/A	940000	33000	N/A	4700
	C9-C10 AROMATIC HYDROCARBONS	ND	U	27000	ND	U	210000	ND	U	53000	ND	U	53000	ND	U	110000	ND	U	53000	ND	U	5300	ND	U	53000	ND	U	53000	ND	U	1100000	ND	U	5300
	C9-C12 ALIPHATIC HYDROCARBONS	ND	U	38000	ND	U	300000	ND	U	76000	13000	J	76000	ND	U	150000	ND	U	76000	2900	J	7600	ND	U	76000	ND	U	76000	ND	U	1500000	4600	J	7600
VOCs (ppbv) Method TO15	1,1,1-TRICHLOROETHANE	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	8000	ND	U	40
	1,1,2,2-TETRACHLOROETHANE	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	8000	ND	U	40
	1,1,2-TRICHLOROETHANE	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	8000	ND	U	40
	1,1-DICHLOROETHANE	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	8000	ND	U	40
	1,1-DICHLOROETHENE	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	8000	ND	U	40
	1,2,4-TRICHLOROBENZENE	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	8000	ND	U	40
	1,2,4-TRIMETHYLBENZENE	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	8000	ND	U	40
	1,2-DIBROMOETHANE	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	8000	ND	U	40
	1,2-DICHLOROBENZENE	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	8000	ND	U	40
	1,2-DICHLOROETHANE	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	8000	ND	U	40
	1,2-DICHLOROPROPANE	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	8000	ND	U	40
	1,3,5-TRIMETHYLBENZENE	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	8000	ND	U	40
	1,3-DICHLOROBENZENE	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	8000	ND	U	40
	1,4-DICHLOROBENZENE	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	8000	ND	U	40
	2-BUTANONE	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	8000	ND	U	40
	2-HEXANONE	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	8000	ND	U	40
	4-METHYL-2-PENTANONE	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	8000	ND	U	40
	ACETONE	760	N/A	400	ND	U	800	810	N/A	800	ND	U	40	3400	N/A	800	82	N/A	40	ND	U	40	10000	N/A	400	ND	U	400	ND	U	8000	ND	U	40
	BENZENE	2500	N/A	400	4800	N/A	800	2200	N/A	800	590	N/A	40	3200	N/A	800	1000	N/A	40	360	N/A	40	820	N/A	400	530	N/A	400	ND	U	8000	680	N/A	40
	BENZENE, (CHLOROMETHYL)-	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	8000	ND	U	40
	BROMODICHLOROMETHANE	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	8000	ND	U	40
	BROMOFORM	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	8000	ND	U	40
	BROMOMETHANE	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	8000	ND	U	40
	CARBON DISULFIDE	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	72	N/A	40	ND	U	40	ND	U	400	ND	U	400	ND	U	8000	ND	U	40
	CARBON TETRACHLORIDE	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	8000	ND	U	40
	CHLOROBENZENE	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	8000	ND	U	40
	CHLOROETHANE	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	8000	ND	U	40
	CHLOROFORM	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	8000	ND	U	40
	CHLOROMETHANE	820	N/A	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	76	N/A	40	ND	U	40	ND	U	400	ND	U	400	ND	U	8000	ND	U	40
	CIS-1,2-DICHLOROETHENE	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	8000	ND	U	40
	CIS-1,3-DICHLOROPROPENE	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	8000	ND	U	40
	CYCLOHEXANE	3700	N/A	800	14000	N/A	1600	3700	N/A	1600	560	N/A	80	6300	N/A	1600	1600	N/A	80	340	N/A	80	2800	N/A	800	1100	N/A	800	26000	N/A	16000	910	N/A	80
	DIBROMOCHLOROMETHANE	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	8000	ND	U	40
	DICHLORODIFLUOROMETHANE	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	8000	ND	U	40
	ERYTHRENE	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	8000	ND	U	40
	ETHYL ACETATE	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	8000	ND	U	40
	ETHYLBENZENE	ND	U	800	ND	U	1600	ND	U	1600	140	N/A	80	ND	U	1600	180	N/A	80	120	N/A	80	ND	U	800	ND	U	800	ND	U	16000	130	N/A	80
	FREON 113	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	8000	ND	U	40
	HEPTANE	3200	N/A	400	4500	N/A	800	2000	N/A	800	650	N/A	40	6800	N/A	800	1600	N/A	40	390	N/A	40	1500	N/A	400	540	N/A	400	14000	N/A	8000	990	N/A	40
	HEXACHLOROBUTADIENE	ND	U	800	ND	U	1600	ND	U	1600	ND	U	80	ND	U	1600	ND	U	80	ND	U	80	ND	U	800	ND	U	800	ND	U	16000	ND	U	80
	HEXANE	2600	N/A	800	9300	N/A	1600	3600	N/A	1600	330	N/A	80	5600	N/A	1600	1000	N/A	80	190	N/A	80	2500	N/A	800	860	N/A	800	21000	N/A	16000	600	N/A	80
	M,P-XYLENES	940	N/A	800	1300	J	1600	820	J	1600	460	N/A	80	1400	J	1600	650	N/A	80	400	N/A	80	ND	U	800	ND	U	800	ND	U	16000	450	N/A	80
	METHYL TERT-BUTYL ETHER	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	8000	ND	U	40
	METHYLENE CHLORIDE	ND	U	2000	ND	U	4000	ND	U	4000	ND	U	200	10000	N/A	4000	ND	U	200	ND	U	200	2600	N/A	2000	ND	U	2000	ND	U	40000	ND	U	200
	NAPHTHALENE	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	8000	ND	U	40
	O-XYLENE	ND	U	400	ND	U	800	ND	U	800	120	N/A	40	ND	U	800	140	N/A	40	100	N/A	40	ND	U	400	ND	U	400	ND	U	8000	100	N/A	40
	PROPYLENE	440	N/A	400	5000	N/A	800	1400	N/A	800	80	N/A	40	1400	N/A	800	66	N/A	40	90	N/A	40	840	N/A	400	750	N/A	400	12000	N/A	8000	84	N/A	40
	STYRENE	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	8000	ND	U	40
	TETRACHLOROETHENE	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	8000	ND	U	40
	THF	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	8000	ND	U	40
	TOLUENE	7400	N/A	400	12000	N/A	800	5200	N/A	800	5400	N/A	400	9900	N/A	800	11000	N/A	400	3600	N/A	400	2700	N/A	400	1800	N/A	400	ND	U	8000	3300	N/A	40
	TRANS-1,2-DICHLOROETHENE	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	8000	ND	U	40
	TRANS-1,3-DICHLOROPROPENE	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	8000	ND	U	40
	TRICHLOROETHENE	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	8000	ND	U	40
	TRICHLOROFLUOROMETHANE	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	8000	ND	U	40
	VINYL ACETATE	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	8000	ND	U	40
	VINYL CHLORIDE	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	8000	ND	U	40
	XYLENES	940	J	1200	1300	J	2400	820	J	2400	580	N/A	120	1400	J	2400	790	N/A	120	500	N/A	120	ND	U	1200	ND	U	1200	ND	U	24000	550	N/A	120
FIXED GASES Method D2504 (Percent)	CARBON DIOXIDE	0.59	N/A	0.1	0.76	N/A	0.1	0.26	N/A	0.1	0.092	J	0.1	0.15	N/A	0.1	0.26	N/A	0.1	0.32	N/A	0.1	0.066	J	0.1	0.1	N/A	0.1	0.06	J	0.1	0.061	J	0.1
	CARBON MONOXIDE	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	ND	U	0.1	ND	U	0.1
	METHANE	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5
	NITROGEN	79	N/A	0.1	80	N/A	0.1	79	N/A	0.1	77	N/A	0.1	78	N/A	0.1	78	N/A	0.1	79	N/A	0.1	77	N/A	0.1	80	N/A	0.1	79	N/A	0.1	79	N/A	0.1
	OXYGEN	18	N/A	0.1	17	N/A	0.1	20	N/A	0.1	21	N/A	0.1	20	N/A	0.1	19	N/A	0.1	19	N/A	0.1	21	N/A	0.1	21	N/A	0.1	21	N/A	0.1	21	N/A	0.1

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

Shading indicates the analyte was detected.

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

J+ = estimated value, concentration is less than PQL but greater than laboratory MDL; biased high.

J- = estimated value, concentration is less than PQL but greater than laboratory MDL; biased low.

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

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

N/A = Not applicable.

ND = Not detected.

NM = Not measured due to sample receipt condition or analyzed on initial sample.

R = Sample data rejected, data unusable

RL = Reporting Limit.

Table 4-2
Soil Vapor Analytical Results
January - March 2012

	LOCATION CODE	KAFB-106135-050			KAFB-106135-150			KAFB-106135-250			KAFB-106135-350			KAFB-106135-450			KAFB-106136-025			KAFB-106136-050			KAFB-106136-050			KAFB-106136-150			KAFB-106136-250			KAFB-106136-350		
	SAMPLE NO	VA1265			VA1266			VA1267			VA1268			VA1269			VA1270			VA1271			VA1272			VA1273			VA1274			VA1275		
	SAMPLE DATE	16-Jan-12			16-Jan-12			16-Jan-12			16-Jan-12			17-Jan-12			7-Mar-12			7-Mar-12			7-Mar-12			7-Mar-12			7-Mar-12			7-Mar-12		
	SAMPLE PURPOSE	REG			REG			REG			REG			REG			REG			REG			FD			REG			REG			REG		
	SAMPLE DEPTH	40-50 FT			140-150 FT			240-250 FT			340-350 FT			440-450 Ft			15-25 FT			40-50 FT			40-50 FT			140-150 FT			240-250 FT			340-350 FT		
Chemical Class & Analytical Method[a]	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	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
TPH (ug/m3) Method MADEP APH	C5-C8 ALIPHATIC HYDROCARBONS	25000	N/A	4700	16000	N/A	4700	13000	N/A	4700	360000	N/A	47000	1000000	N/A	94000	240000	N/A	47000	310000	N/A	94000	390000	N/A	94000	350000	N/A	94000	320000	N/A	94000	230000	N/A	47000
	C9-C10 AROMATIC HYDROCARBONS	ND	U	5300	ND	U	5300	ND	U	5300	ND	U	53000	ND	U	110000	ND	U	53000	ND	U	110000	ND	U	110000	ND	U	110000	ND	U	110000	ND	U	53000
	C9-C12 ALIPHATIC HYDROCARBONS	3800	J	7600	ND	U	7600	ND	U	7600	ND	U	76000	ND	U	150000	12000	J	76000	ND	U	150000	ND	U	150000	40000	J	150000	28000	J	150000	42000	J	76000
VOCs (ppbv) Method TO15	1,1,1-TRICHLOROETHANE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800
	1,1,2,2-TETRACHLOROETHANE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800
	1,1,2-TRICHLOROETHANE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800
	1,1-DICHLOROETHANE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800
	1,1-DICHLOROETHENE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800
	1,2,4-TRICHLOROBENZENE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800
	1,2,4-TRIMETHYLBENZENE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800
	1,2-DIBROMOETHANE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800
	1,2-DICHLOROBENZENE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800
	1,2-DICHLOROETHANE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800
	1,2-DICHLOROPROPANE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800
	1,3,5-TRIMETHYLBENZENE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800
	1,3-DICHLOROBENZENE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800
	1,4-DICHLOROBENZENE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800
	2-BUTANONE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800
	2-HEXANONE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800
	4-METHYL-2-PENTANONE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800
	ACETONE	73	N/A	40	ND	U	40	ND	U	40	1000	N/A	400	ND	U	800	490	N/A	400	1100	N/A	800	ND	U	800	ND	U	800	ND	U	800	960	N/A	800
	BENZENE	480	N/A	40	460	N/A	40	280	N/A	40	2900	N/A	400	860	N/A	800	1500	N/A	400	2000	N/A	800	2200	N/A	800	2100	N/A	800	2300	N/A	800	1500	N/A	800
	BENZENE, (CHLOROMETHYL)-	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800
	BROMODICHLOROMETHANE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800
	BROMOFORM	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800
	BROMOMETHANE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800
	CARBON DISULFIDE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800
	CARBON TETRACHLORIDE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800
	CHLOROBENZENE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800
	CHLOROETHANE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800
	CHLOROFORM	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800
	CHLOROMETHANE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800
	CIS-1,2-DICHLOROETHENE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800
	CIS-1,3-DICHLOROPROPENE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800
	CYCLOHEXANE	580	N/A	80	530	N/A	80	330	N/A	80	3100	N/A	800	1600	N/A	1600	4100	N/A	800	5800	N/A	1600	8200	N/A	1600	6200	N/A	1600	6700	N/A	1600	3700	N/A	1600
	DIBROMOCHLOROMETHANE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800
	DICHLORODIFLUOROMETHANE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800
	ERYTHRENE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800
	ETHYL ACETATE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800
	ETHYLBENZENE	84	N/A	80	95	N/A	80	48	J	80	ND	U	800	ND	U	1600	430	J	800	ND	U	1600	ND	U	1600	900	J	1600	820	J	1600	ND	U	1600
	FREON 113	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800
	HEPTANE	630	N/A	40	610	N/A	40	300	N/A	40	1300	N/A	400	1200	N/A	800	4200	N/A	400	5700	N/A	800	7700	N/A	800	6200	N/A	800	6200	N/A	800	3100	N/A	800
	HEXACHLOROBUTADIENE	ND	U	80	ND	U	80	ND	U	80	ND	U	800	ND	U	1600	ND	U	800	ND	U	1600	ND	U	1600	ND	U	1600	ND	U	1600	ND	U	1600
	HEXANE	420	N/A	80	390	N/A	80	260	N/A	80	3100	N/A	800	1600	N/A	1600	2200	N/A	800	3100	N/A	1600	3700	N/A	1600	2800	N/A	1600	3800	N/A	1600	3300	N/A	1600
	M,P-XYLENES	270	N/A	80	310	N/A	80	150	N/A	80	530	J	800	ND	U	1600	1100	N/A	800	1300	J	1600	1100	J	1600	2200	N/A	1600	1900	N/A	1600	1300	J	1600
	METHYL TERT-BUTYL ETHER	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800
	METHYLENE CHLORIDE	ND	U	200	ND	U	200	ND	U	200	ND	U	2000	ND	U	4000	ND	U	2000	ND	U	4000	ND	U	4000	ND	U	4000	ND	U	4000	ND	U	4000
	NAPHTHALENE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800
	O-XYLENE	68	N/A	40	78	N/A	40	ND	U	40	ND	U	400	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800
	PROPYLENE	74	N/A	40	78	N/A	40	54	N/A	40	500	N/A	400	1700	N/A	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800
	STYRENE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800
	TETRACHLOROETHENE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800
	THF	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800
	TOLUENE	2000	N/A	40	4300	N/A	400	930	N/A	40	3100	N/A	400	2200	N/A	800	5700	N/A	400	7000	N/A	800	7400	N/A	800	9900	N/A	800	9300	N/A	800	5800	N/A	800
	TRANS-1,2-DICHLOROETHENE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800
	TRANS-1,3-DICHLOROPROPENE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800
	TRICHLOROETHENE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800
	TRICHLOROFLUOROMETHANE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800
	VINYL ACETATE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800
	VINYL CHLORIDE	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800
	XYLENES	340	N/A	120	390	N/A	120	150	N/A	120	530	J	1200	ND	U	2400	1100	J	1200	1300	J	2400	1100	J	2400	2200	J	2400	1900	J	2400	1300	J	2400
FIXED GASES Method D2504 (Percent)	CARBON DIOXIDE	0.1	N/A	0.1	0.14	N/A	0.1	0.21	N/A	0.1	0.072	J	0.1	0.049	J	0.1	0.13	N/A	0.1	0.15	N/A	0.1	0.18	N/A	0.1	0.12	N/A	0.1	0.11	N/A	0.1	0.13	N/A	0.1
	CARBON MONOXIDE	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	ND	U	0.1	ND	U	0.1
	METHANE	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5
	NITROGEN	79	N/A	0.1	80	N/A	0.1	80	N/A	0.1	80	N/A	0.1	79	N/A	0.1	79	N/A	0.1	79	N/A	0.1	78	N/A	0.1	79	N/A	0.1	78	N/A	0.1	79	N/A	0.1
	OXYGEN	21	N/A	0.1	21	N/A	0.1	20	N/A	0.1	21	N/A	0.1	21	N/A	0.1	21	N/A	0.1	21	N/A	0.1	21	N/A	0.1	21	N/A	0.1	21	N/A	0.1	21	N/A	0.1

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

Shading indicates the analyte was detected.

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

J+ = estimated value, concentration is less than PQL but greater than laboratory MDL; biased high.

J- = estimated value, concentration is less than PQL but greater than laboratory MDL; biased low.

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

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

N/A = Not applicable.

ND = Not detected.

NM = Not measured due to sample receipt condition or analyzed on initial sample.

R = Sample data rejected, data unusable

RL = Reporting Limit.

Table 4-2
Soil Vapor Analytical Results
January - March 2012

	LOCATION CODE	KAFB-106136-450			KAFB-106137-025			KAFB-106137-050			KAFB-106137-150			KAFB-106137-250			KAFB-106137-350			KAFB-106137-450			KAFB-106138-025			KAFB-106138-050			KAFB-106138-150			KAFB-106138-250		
	SAMPLE NO	VA1276			VA1277			VA1278			VA1279			VA1280			VA1281			VA1282			VA1283			VA1284			VA1285			VA1286		
	SAMPLE DATE	7-Mar-12			16-Jan-12			16-Jan-12			16-Jan-12			16-Jan-12			16-Jan-12			16-Jan-12			7-Mar-12			7-Mar-12			8-Mar-12			8-Mar-12		
	SAMPLE PURPOSE	REG			REG			REG			REG			REG			REG			REG			REG			REG			REG			REG		
	SAMPLE DEPTH	440-450 FT			15-25 FT			40-50 FT			140-150 FT			240-250 FT			341-351 FT			440-450 FT			15-25 FT			40-50 FT			140-150 FT			240-250 FT		
Chemical Class & Analytical Method[a]	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	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
TPH (ug/m3)	C5-C8 ALIPHATIC HYDROCARBONS	19000	N/A	4700	75000	N/A	4700	17000	N/A	4700	19000	N/A	4700	18000	N/A	4700	770000	N/A	190000	5500000	N/A	940000	100000	N/A	23000	28000	N/A	4700	20000	N/A	4700	840	J	940
Method MADEP	C9-C10 AROMATIC HYDROCARBONS	ND	U	5300	ND	U	5300	ND	U	5300	ND	U	5300	ND	U	5300	ND	U	210000	ND	U	1100000	ND	U	27000	ND	U	5300	ND	U	5300	ND	U	1100
APH	C9-C12 ALIPHATIC HYDROCARBONS	4400	J	7600	ND	U	7600	ND	U	7600	ND	U	7600	ND	U	7600	ND	U	300000	ND	U	1500000	7600	J	38000	2800	J	7600	ND	U	7600	ND	U	1500
VOCs (ppbv)	1,1,1-TRICHLOROETHANE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	400	ND	U	400	ND	U	400	ND	U	8
Method TO15	1,1,2,2-TETRACHLOROETHANE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	1,1,2-TRICHLOROETHANE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	1,1-DICHLOROETHANE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	1,1-DICHLOROETHENE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	1,2,4-TRICHLOROBENZENE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	1,2,4-TRIMETHYLBENZENE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	1,2-DIBROMOETHANE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	1,2-DICHLOROBENZENE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	1,2-DICHLOROETHANE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	1,2-DICHLOROPROPANE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	1,3,5-TRIMETHYLBENZENE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	1,3-DICHLOROBENZENE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	1,4-DICHLOROBENZENE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	2-BUTANONE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	2-HEXANONE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	4-METHYL-2-PENTANONE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	ACETONE	2200	N/A	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	520	N/A	400	ND	U	400	ND	U	400	ND	U	8
	BENZENE	ND	U	800	640	N/A	40	290	N/A	40	240	N/A	40	430	N/A	40	1900	N/A	800	37000	N/A	8000	660	N/A	400	690	N/A	400	ND	U	400	ND	U	8
	BENZENE, (CHLOROMETHYL)-	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	BROMODICHLOROMETHANE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	BROMOFORM	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	BROMOMETHANE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	CARBON DISULFIDE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	CARBON TETRACHLORIDE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	CHLOROBENZENE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	CHLOROETHANE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	CHLOROFORM	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	CHLOROMETHANE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	CIS-1,2-DICHLOROETHENE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	CIS-1,3-DICHLOROPROPENE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	CYCLOHEXANE	ND	U	1600	1500	N/A	80	340	N/A	80	290	N/A	80	460	N/A	80	13000	N/A	1600	130000	N/A	16000	1400	N/A	800	1300	N/A	800	840	N/A	800	ND	U	16
	DIBROMOCHLOROMETHANE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	DICHLORODIFLUOROMETHANE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	ERYTHRENE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	ETHYL ACETATE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	ETHYLBENZENE	ND	U	1600	ND	U	80	ND	U	80	ND	U	80	ND	U	80	ND	U	1600	ND	U	16000	ND	U	800	ND	U	800	ND	U	800	ND	U	16
	FREON 113	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	HEPTANE	ND	U	800	670	N/A	40	260	N/A	40	220	N/A	40	400	N/A	40	2500	N/A	800	55000	N/A	8000	1500	N/A	400	1400	N/A	400	890	N/A	400	ND	U	8
	HEXACHLOROBUTADIENE	ND	U	1600	ND	U	80	ND	U	80	ND	U	80	ND	U	80	ND	U	1600	ND	U	16000	ND	U	800	ND	U	800	ND	U	800	ND	U	16
	HEXANE	4400	N/A	1600	1300	N/A	80	290	N/A	80	270	N/A	80	450	N/A	80	11000	N/A	1600	62000	N/A	16000	880	N/A	800	810	N/A	800	500	J	800	ND	U	16
	M,P-XYLENES	1100	J	1600	88	N/A	80	82	N/A	80	68	J	80	97	N/A	80	ND	U	1600	9800	J	16000	830	N/A	800	800	N/A	800	470	J	800	ND	U	16
	METHYL TERT-BUTYL ETHER	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	METHYLENE CHLORIDE	3400	J	4000	ND	U	200	ND	U	200	ND	U	200	ND	U	200	ND	U	4000	ND	U	40000	ND	U	2000	ND	U	2000	ND	U	2000	ND	U	40
	NAPHTHALENE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	O-XYLENE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	PROPYLENE	ND	U	800	88	N/A	40	56	N/A	40	55	N/A	40	ND	U	40	1900	N/A	800	15000	N/A	8000	ND	U	400	ND	U	400	ND	U	400	19	N/A	8
	STYRENE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	TETRACHLOROETHENE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	THF	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	TOLUENE	3700	N/A	800	1100	N/A	40	700	N/A	40	550	N/A	40	1000	N/A	40	3000	N/A	800	66000	N/A	8000	3400	N/A	400	3900	N/A	400	1700	N/A	400	ND	U	8
	TRANS-1,2-DICHLOROETHENE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	TRANS-1,3-DICHLOROPROPENE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	TRICHLOROETHENE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	TRICHLOROFLUOROMETHANE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	VINYL ACETATE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	VINYL CHLORIDE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	XYLENES	1100	J	2400	88	J	120	82	J	120	68	J	120	97	J	120	ND	U	2400	9800	J	24000	830	J	1200	800	J	1200	470	J	1200	ND	U	24
FIXED GASES	CARBON DIOXIDE	0.12	N/A	0.1	0.098	J	0.1	0.17	N/A	0.1	0.092	J	0.1	0.12	N/A	0.1	0.042	J	0.1	0.74	N/A	0.1	1.3	N/A	0.1	0.76	N/A	0.1	0.13	N/A	0.1	0.1	N/A	0.1
Method D2504	CARBON MONOXIDE	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	ND	U	0.1	ND	U	0.1
(Percent)	METHANE	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5
	NITROGEN	79	N/A	0.1	79	N/A	0.1	79	N/A	0.1	79	N/A	0.1	79	N/A	0.1	78	N/A	0.1	79	N/A	0.1	78	N/A	0.1	79	N/A	0.1	78	N/A	0.1	79	N/A	0.1
	OXYGEN	21	N/A	0.1	21	N/A	0.1	20	N/A	0.1	21	N/A	0.1	21	N/A	0.1	21	N/A	0.1	19	N/A	0.1	19	N/A	0.1	20	N/A	0.1	21	N/A	0.1	21	N/A	0.1

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

Shading indicates the analyte was detected.

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

J+ = estimated value, concentration is less than PQL but greater than laboratory MDL; biased high.

J- = estimated value, concentration is less than PQL but greater than laboratory MDL; biased low.

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

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

N/A = Not applicable.

ND = Not detected.

NM = Not measured due to sample receipt condition or analyzed on initial sample.

R = Sample data rejected, data unusable

RL = Reporting Limit.

Table 4-2
Soil Vapor Analytical Results
January - March 2012

	LOCATION CODE	KAFB-106138-250			KAFB-106138-350			KAFB-106138-450			KAFB-106139-025			KAFB-106139-050			KAFB-106139-150			KAFB-106139-250			KAFB-106139-350			KAFB-106139-450			KAFB-106140-025			KAFB-106140-050		
	SAMPLE NO	VA1287			VA1288			VA1289			VA1290			VA1291			VA1292			VA1293			VA1294			VA1295			VA1296			VA1297		
	SAMPLE DATE	8-Mar-12			8-Mar-12			12-Mar-12			12-Mar-12			12-Mar-12			12-Mar-12			12-Mar-12			12-Mar-12			12-Mar-12			12-Mar-12			12-Mar-12		
	SAMPLE PURPOSE	FD			REG			REG			REG			REG			REG			REG			REG			REG			REG			REG		
	SAMPLE DEPTH	240-250 FT			340-350 FT			440-450 FT			15-25 FT			40-50 FT			140-150 FT			240-250 FT			340-350 FT			440-450 FT			15-25 FT			40-50 FT		
Chemical Class & Analytical Method[a]	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	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
TPH (ug/m3) Method MADEP APH	C5-C8 ALIPHATIC HYDROCARBONS	530	J	940	16000	N/A	4700	3400	N/A	940	150000	N/A	23000	35000	N/A	4700	16000	N/A	4700	82000	N/A	23000	22000	N/A	4700	5100	N/A	1900	12000	N/A	4700	24000	N/A	4700
	C9-C10 AROMATIC HYDROCARBONS	ND	U	1100	ND	U	5300	ND	U	1100	ND	U	27000	ND	U	5300	ND	U	5300	8900	J	27000	ND	U	5300	ND	U	2100	ND	U	5300	ND	U	5300
	C9-C12 ALIPHATIC HYDROCARBONS	ND	U	1500	ND	U	7600	ND	U	1500	ND	U	38000	ND	U	7600	ND	U	7600	11000	J	38000	ND	U	7600	ND	U	3000	ND	U	7600	ND	U	7600
VOCs (ppbv) Method TO15	1,1,1-TRICHLOROETHANE	ND	U	8	ND	U	400	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	400	ND	U	8	ND	U	8	ND	U	40	ND	U	40
	1,1,2,2-TETRACHLOROETHANE	ND	U	8	ND	U	400	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	400	ND	U	8	ND	U	8	ND	U	40	ND	U	40
	1,1,2-TRICHLOROETHANE	ND	U	8	ND	U	400	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	400	ND	U	8	ND	U	8	ND	U	40	ND	U	40
	1,1-DICHLOROETHANE	ND	U	8	ND	U	400	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	400	ND	U	8	ND	U	8	ND	U	40	ND	U	40
	1,1-DICHLOROETHENE	ND	U	8	ND	U	400	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	400	ND	U	8	ND	U	8	ND	U	40	ND	U	40
	1,2,4-TRICHLOROBENZENE	ND	U	8	ND	U	400	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	400	ND	U	8	ND	U	8	ND	U	40	ND	U	40
	1,2,4-TRIMETHYLBENZENE	ND	U	8	ND	U	400	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	400	ND	U	8	ND	U	8	ND	U	40	ND	U	40
	1,2-DIBROMOETHANE	ND	U	8	ND	U	400	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	400	ND	U	8	ND	U	8	ND	U	40	ND	U	40
	1,2-DICHLOROBENZENE	ND	U	8	ND	U	400	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	400	ND	U	8	ND	U	8	ND	U	40	ND	U	40
	1,2-DICHLOROETHANE	ND	U	8	ND	U	400	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	400	ND	U	8	ND	U	8	ND	U	40	ND	U	40
	1,2-DICHLOROPROPANE	ND	U	8	ND	U	400	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	400	ND	U	8	ND	U	8	ND	U	40	ND	U	40
	1,3,5-TRIMETHYLBENZENE	ND	U	8	ND	U	400	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	400	ND	U	8	ND	U	8	ND	U	40	ND	U	40
	1,3-DICHLOROBENZENE	ND	U	8	ND	U	400	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	400	ND	U	8	ND	U	8	ND	U	40	ND	U	40
	1,4-DICHLOROBENZENE	ND	U	8	ND	U	400	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	400	ND	U	8	ND	U	8	ND	U	40	ND	U	40
	2-BUTANONE	ND	U	8	ND	U	400	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	400	ND	U	8	ND	U	8	ND	U	40	ND	U	40
	2-HEXANONE	ND	U	8	ND	U	400	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	400	ND	U	8	ND	U	8	ND	U	40	ND	U	40
	4-METHYL-2-PENTANONE	ND	U	8	ND	U	400	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	400	ND	U	8	ND	U	8	ND	U	40	ND	U	40
	ACETONE	ND	U	8	640	N/A	400	ND	U	40	640	N/A	400	ND	U	40	ND	U	40	ND	U	400	ND	U	8	ND	U	8	ND	U	40	ND	U	40
	BENZENE	ND	U	8	840	N/A	400	83	N/A	40	730	N/A	400	300	N/A	40	160	N/A	40	1200	N/A	400	210	N/A	8	ND	U	8	130	N/A	40	130	N/A	40
	BENZENE, (CHLOROMETHYL)-	ND	U	8	ND	U	400	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	400	ND	U	8	ND	U	8	ND	U	40	ND	U	40
	BROMODICHLOROMETHANE	ND	U	8	ND	U	400	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	400	ND	U	8	ND	U	8	ND	U	40	ND	U	40
	BROMOFORM	ND	U	8	ND	U	400	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	400	ND	U	8	ND	U	8	ND	U	40	ND	U	40
	BROMOMETHANE	ND	U	8	ND	U	400	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	400	ND	U	8	ND	U	8	ND	U	40	ND	U	40
	CARBON DISULFIDE	ND	U	8	ND	U	400	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	400	ND	U	8	ND	U	8	ND	U	40	ND	U	40
	CARBON TETRACHLORIDE	ND	U	8	ND	U	400	ND	U	40	ND	U	400	ND	U	40	44	N/A	40	ND	U	400	39	N/A	8	ND	U	8	ND	U	40	ND	U	40
	CHLOROBENZENE	ND	U	8	ND	U	400	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	400	ND	U	8	ND	U	8	ND	U	40	ND	U	40
	CHLOROETHANE	ND	U	8	ND	U	400	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	400	ND	U	8	ND	U	8	ND	U	40	ND	U	40
	CHLOROFORM	ND	U	8	ND	U	400	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	400	ND	U	8	ND	U	8	ND	U	40	ND	U	40
	CHLOROMETHANE	ND	U	8	ND	U	400	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	400	ND	U	8	ND	U	8	ND	U	40	ND	U	40
	CIS-1,2-DICHLOROETHENE	ND	U	8	ND	U	400	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	400	ND	U	8	ND	U	8	ND	U	40	ND	U	40
	CIS-1,3-DICHLOROPROPENE	ND	U	8	ND	U	400	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	400	ND	U	8	ND	U	8	ND	U	40	ND	U	40
	CYCLOHEXANE	ND	U	16	1400	N/A	800	160	N/A	80	2600	N/A	800	1100	N/A	80	410	N/A	80	1300	N/A	800	300	N/A	16	ND	U	16	300	N/A	80	380	N/A	80
	DIBROMOCHLOROMETHANE	ND	U	8	ND	U	400	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	400	ND	U	8	ND	U	8	ND	U	40	ND	U	40
	DICHLORODIFLUOROMETHANE	ND	U	8	ND	U	400	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	400	ND	U	8	ND	U	8	ND	U	40	ND	U	40
	ERYTHRENE	ND	U	8	ND	U	400	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	400	ND	U	8	ND	U	8	ND	U	40	ND	U	40
	ETHYL ACETATE	ND	U	8	ND	U	400	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	400	ND	U	8	ND	U	8	ND	U	40	ND	U	40
	ETHYLBENZENE	ND	U	16	ND	U	800	ND	U	80	ND	U	800	87	N/A	80	65	J	80	ND	U	800	43	N/A	16	13	J	16	42	J	80	53	J	80
	FREON 113	ND	U	8	ND	U	400	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	400	21	N/A	8	ND	U	8	ND	U	40	ND	U	40
	HEPTANE	ND	U	8	1800	N/A	400	110	N/A	40	1700	N/A	400	790	N/A	40	300	N/A	40	950	N/A	400	190	N/A	8	52	N/A	8	180	N/A	40	270	N/A	40
	HEXACHLOROBUTADIENE	ND	U	16	ND	U	800	ND	U	80	ND	U	800	ND	U	80	ND	U	80	ND	U	800	ND	U	16	ND	U	16	ND	U	80	ND	U	80
	HEXANE	ND	U	16	1300	N/A	800	ND	U	80	1000	N/A	800	390	N/A	80	140	N/A	80	550	J	800	100	N/A	16	ND	U	16	120	N/A	80	130	N/A	80
	M,P-XYLENES	ND	U	16	500	J	800	70	J	80	540	J	800	210	N/A	80	160	N/A	80	510	J	800	110	N/A	16	30	N/A	16	100	N/A	80	130	N/A	80
	METHYL TERT-BUTYL ETHER	ND	U	8	ND	U	400	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	400	ND	U	8	ND	U	8	ND	U	40	ND	U	40
	METHYLENE CHLORIDE	ND	U	40	ND	U	2000	ND	U	200	ND	U	2000	ND	U	200	ND	U	200	ND	U	2000	ND	U	40	ND	U	40	ND	U	200	ND	U	200
	NAPHTHALENE	ND	U	8	ND	U	400	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	400	ND	U	8	ND	U	8	ND	U	40	ND	U	40
	O-XYLENE	ND	U	8	ND	U	400	ND	U	40	ND	U	400	67	N/A	40	51	N/A	40	ND	U	400	35	N/A	8	10	N/A	8	ND	U	40	44	N/A	40
	PROPYLENE	12	N/A	8	ND	U	400	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	400	ND	U	8	ND	U	8	100	N/A	40	ND	U	40
	STYRENE	ND	U	8	ND	U	400	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	400	ND	U	8	ND	U	8	ND	U	40	ND	U	40
	TETRACHLOROETHENE	ND	U	8	ND	U	400	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	400	ND	U	8	ND	U	8	ND	U	40	ND	U	40
	THF	ND	U	8	ND	U	400	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	400	ND	U	8	ND	U	8	ND	U	40	ND	U	40
	TOLUENE	ND	U	8	2800	N/A	400	380	N/A	40	2500	N/A	400	1000	N/A	40	700	N/A	40	2600	N/A	400	490	N/A	40	120	N/A	8	420	N/A	40	510	N/A	40
	TRANS-1,2-DICHLOROETHENE	ND	U	8	ND	U	400	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	400	ND	U	8	ND	U	8	ND	U	40	ND	U	40
	TRANS-1,3-DICHLOROPROPENE	ND	U	8	ND	U	400	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	400	ND	U	8	ND	U	8	ND	U	40	ND	U	40
	TRICHLOROETHENE	ND	U	8	ND	U	400	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	400	ND	U	8	ND	U	8	ND	U	40	ND	U	40
	TRICHLOROFLUOROMETHANE	ND	U	8	ND	U	400	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	400	ND	U	8	ND	U	8	ND	U	40	ND	U	40
	VINYL ACETATE	ND	U	8	ND	U	400	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	400	ND	U	8	ND	U	8	ND	U	40	ND	U	40
	VINYL CHLORIDE	ND	U	8	ND	U	400	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	400	ND	U	8	ND	U	8	ND	U	40	ND	U	40
	XYLENES	ND	U	24	500	J	1200	70	J	120	540	J	1200	270	N/A	120	210	N/A	120	510	J	1200	140	N/A	24	40	N/A	24	100	J	120	170	N/A	120
FIXED GASES Method D2504 (Percent)	CARBON DIOXIDE	0.08	J	0.1	0.11	N/A	0.1	0.087	J	0.1	0.051	J	0.1	0.15	N/A	0.1	0.28	N/A	0.1	0.37	N/A	0.1	0.38	N/A	0.1	0.38	N/A	0.1	0.054	J	0.1	0.13	N/A	0.1
	CARBON MONOXIDE	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	ND	U	0.1	ND	U	0.1
	METHANE	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5
	NITROGEN	78	N/A	0.1	78	N/A	0.1	79	N/A	0.1	79	N/A	0.1	79	N/A	0.1	79	N/A	0.1	80	N/A	0.1	79	N/A	0.1	79	N/A	0.1	79	N/A	0.1	78	N/A	0.1
	OXYGEN	21	N/A	0.1	21	N/A	0.1	21	N/A	0.1	21	N/A	0.1	21	N/A	0.1	20	N/A	0.1	21	N/A	0.1	20	N/A	0.1	20	N/A	0.1	21	N/A	0.1	21	N/A	0.1

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

Shading indicates the analyte was detected.

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

J+ = estimated value, concentration is less than PQL but greater than laboratory MDL; biased high.

J- = estimated value, concentration is less than PQL but greater than laboratory MDL; biased low.

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

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

N/A = Not applicable.

ND = Not detected.

NM = Not measured due to sample receipt condition or analyzed on initial sample.

R = Sample data rejected, data unusable

RL = Reporting Limit.

Table 4-2
Soil Vapor Analytical Results
January - March 2012

	LOCATION CODE	KAFB-106140-150			KAFB-106140-250			KAFB-106140-350			KAFB-106140-350			KAFB-106140-450			KAFB-106141-025			KAFB-106141-050			KAFB-106141-170			KAFB-106141-250			KAFB-106141-350			KAFB-106141-450		
	SAMPLE NO	VA1298			VA1299			VA1300			VA1301			VA1302			VA1303			VA1304			VA1305			VA1306			VA1307			VA1308		
	SAMPLE DATE	13-Mar-12			13-Mar-12			13-Mar-12			13-Mar-12			14-Mar-12			7-Mar-12			7-Mar-12			7-Mar-12			8-Mar-12			8-Mar-12			8-Mar-12		
	SAMPLE PURPOSE	REG			REG			REG			FD			REG			REG			REG			REG			REG			REG			REG		
	SAMPLE DEPTH	141-152 FT			240-250 FT			340-350 FT			340-350 FT			440-450 FT			15-25 FT			50-60 FT			160-170 FT			240-250 FT			340-350 FT			440-450 FT		
Chemical Class & Analytical Method[a]	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	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
TPH (ug/m3) Method MADEP APH	C5-C8 ALIPHATIC HYDROCARBONS	600000	N/A	47000	370000	N/A	47000	3700000	N/A	940000	2500000	N/A	940000	120000	N/A	23000	220000	N/A	47000	210000	N/A	23000	210000	N/A	47000	120000	N/A	23000	150000	N/A	47000	36000	N/A	4700
	C9-C10 AROMATIC HYDROCARBONS	ND	U	53000	ND	U	53000	ND	U	1100000	ND	U	1100000	ND	U	27000	ND	U	53000	ND	U	27000	ND	U	53000	7700	J	27000	ND	U	53000	ND	U	5300
	C9-C12 ALIPHATIC HYDROCARBONS	44000	J	76000	35000	J	76000	ND	U	1500000	ND	U	1500000	5200	J	38000	18000	J	76000	16000	J	38000	12000	J	76000	16000	J	38000	ND	U	76000	ND	U	7600
VOCs (ppbv) Method TO15	1,1,1-TRICHLOROETHANE	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	1,1,2,2-TETRACHLOROETHANE	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	1,1,2-TRICHLOROETHANE	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	1,1-DICHLOROETHANE	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	1,1-DICHLOROETHENE	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	1,2,4-TRICHLOROBENZENE	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	1,2,4-TRIMETHYLBENZENE	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	1,2-DIBROMOETHANE	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	1,2-DICHLOROBENZENE	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	1,2-DICHLOROETHANE	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	1,2-DICHLOROPROPANE	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	1,3,5-TRIMETHYLBENZENE	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	1,3-DICHLOROBENZENE	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	1,4-DICHLOROBENZENE	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	2-BUTANONE	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	2-HEXANONE	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	4-METHYL-2-PENTANONE	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	ACETONE	740	N/A	400	470	N/A	400	ND	U	800	1200	N/A	800	ND	U	40	ND	U	800	790	N/A	400	ND	U	800	ND	U	400	ND	U	400	810	N/A	400
	BENZENE	4300	N/A	400	2600	N/A	400	2400	N/A	800	4800	N/A	800	280	N/A	40	3400	N/A	800	3100	N/A	400	3000	N/A	800	1800	N/A	400	2100	N/A	400	1600	N/A	400
	BENZENE, (CHLOROMETHYL)-	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	BROMODICHLOROMETHANE	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	BROMOFORM	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	BROMOMETHANE	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	CARBON DISULFIDE	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	CARBON TETRACHLORIDE	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	CHLOROBENZENE	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	CHLOROETHANE	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	CHLOROFORM	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	CHLOROMETHANE	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	CIS-1,2-DICHLOROETHENE	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	CIS-1,3-DICHLOROPROPENE	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	CYCLOHEXANE	9700	N/A	800	5300	N/A	800	14000	N/A	1600	20000	N/A	1600	ND	U	80	5200	N/A	1600	5100	N/A	800	5000	N/A	1600	2600	N/A	800	3000	N/A	800	2900	N/A	800
	DIBROMOCHLOROMETHANE	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	DICHLORODIFLUOROMETHANE	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	ERYTHRENE	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	ETHYL ACETATE	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	ETHYLBENZENE	610	J	800	410	J	800	ND	U	1600	800	J	1600	68	J	80	ND	U	1600	400	J	800	ND	U	1600	ND	U	800	ND	U	800	ND	U	800
	FREON 113	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	HEPTANE	7600	N/A	400	4600	N/A	400	5400	N/A	800	11000	N/A	800	620	N/A	40	7100	N/A	800	6400	N/A	400	6200	N/A	800	3500	N/A	400	3900	N/A	400	3400	N/A	400
	HEXACHLOROBUTADIENE	ND	U	800	ND	U	800	ND	U	1600	ND	U	1600	ND	U	80	ND	U	1600	ND	U	800	ND	U	1600	ND	U	800	ND	U	800	ND	U	800
	HEXANE	6100	N/A	800	3300	N/A	800	11000	N/A	1600	13000	N/A	1600	440	N/A	80	4400	N/A	1600	4200	N/A	800	4000	N/A	1600	2000	N/A	800	2400	N/A	800	2600	N/A	800
	M,P-XYLENES	2000	N/A	800	1300	N/A	800	1400	J	1600	2400	N/A	1600	230	N/A	80	1700	N/A	1600	1400	N/A	800	1300	J	1600	940	N/A	800	880	N/A	800	720	J	800
	METHYL TERT-BUTYL ETHER	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	METHYLENE CHLORIDE	ND	U	2000	ND	U	2000	ND	U	4000	ND	U	4000	ND	U	200	ND	U	4000	ND	U	2000	ND	U	4000	ND	U	2000	ND	U	2000	920	J	2000
	NAPHTHALENE	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	O-XYLENE	640	N/A	400	430	N/A	400	ND	U	800	840	N/A	800	73	N/A	40	ND	U	800	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	PROPYLENE	ND	U	400	ND	U	400	1500	N/A	800	1100	N/A	800	ND	U	40	ND	U	800	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	STYRENE	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	TETRACHLOROETHENE	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	THF	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	TOLUENE	9500	N/A	400	6200	N/A	400	6700	N/A	800	13000	N/A	800	870	N/A	40	12000	N/A	800	10000	N/A	400	10000	N/A	800	6700	N/A	400	7100	N/A	400	5300	N/A	400
	TRANS-1,2-DICHLOROETHENE	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	TRANS-1,3-DICHLOROPROPENE	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	TRICHLOROETHENE	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	TRICHLOROFLUOROMETHANE	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	VINYL ACETATE	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	VINYL CHLORIDE	ND	U	400	ND	U	400	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	400	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	XYLENES	2600	N/A	1200	1700	N/A	1200	1400	J	2400	3200	N/A	2400	300	N/A	120	1700	J	2400	1400	N/A	1200	1300	J	2400	940	J	1200	880	J	1200	720	J	1200
FIXED GASES Method D2504 (Percent)	CARBON DIOXIDE	0.059	J	0.1	0.16	N/A	0.1	0.21	N/A	0.1	0.19	N/A	0.1	0.095	J	0.1	0.15	N/A	0.1	0.14	N/A	0.1	0.15	N/A	0.1	0.16	N/A	0.1	0.12	N/A	0.1	0.2	N/A	0.1
	CARBON MONOXIDE	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	ND	U	0.1	ND	U	0.1
	METHANE	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5
	NITROGEN	78	N/A	0.1	79	N/A	0.1	79	N/A	0.1	80	N/A	0.1	78	N/A	0.1	79	N/A	0.1	78	N/A	0.1	80	N/A	0.1	79	N/A	0.1	80	N/A	0.1	79	N/A	0.1
	OXYGEN	21	N/A	0.1	20	N/A	0.1	20	N/A	0.1	20	N/A	0.1	21	N/A	0.1	21	N/A	0.1	20	N/A	0.1	21	N/A	0.1	20	N/A	0.1	21	N/A	0.1	21	N/A	0.1

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

Shading indicates the analyte was detected.

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

J+ = estimated value, concentration is less than PQL but greater than laboratory MDL; biased high.

J- = estimated value, concentration is less than PQL but greater than laboratory MDL; biased low.

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

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

N/A = Not applicable.

ND = Not detected.

NM = Not measured due to sample receipt condition or analyzed on initial sample.

R = Sample data rejected, data unusable

RL = Reporting Limit.

Table 4-2
Soil Vapor Analytical Results
January - March 2012

	LOCATION CODE	KAFB-106142-030			KAFB-106142-050			KAFB-106142-170			KAFB-106142-250			KAFB-106142-250			KAFB-106142-350			KAFB-106142-450			SVEW-01-260			SVEW-02-060			SVEW-02-060			SVEW-03-160		
	SAMPLE NO	VA1309			VA1310			VA1311			VA1312			VA1313			VA1314			VA1315			VA1070			VA1071			VA1072			VA1073		
	SAMPLE DATE	7-Mar-12			7-Mar-12			7-Mar-12			7-Mar-12			7-Mar-12			7-Mar-12			7-Mar-12			21-Mar-12			21-Mar-12			21-Mar-12			21-Mar-12		
	SAMPLE PURPOSE	REG			REG			REG			REG			FD			REG			REG			REG			REG			FD			REG		
	SAMPLE DEPTH	20-30 FT			40-50 FT			160-170 FT			240-250 FT			240-250 FT			340-350 FT			440-450 FT			245-260 FT			45-60 FT			45-60 FT			145-160 FT		
Chemical Class & Analytical Method[a]	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	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
TPH (ug/m3) Method MADEP APH	C5-C8 ALIPHATIC HYDROCARBONS	640000	N/A	47000	280000	N/A	94000	230000	N/A	47000	320000	N/A	94000	410000	N/A	94000	260000	N/A	94000	410000	N/A	47000	2.9E+07	N/A	2300000	3E+07	N/A	2300000	3.7E+07	N/A	2300000	1.6E+07	N/A	4700000
	C9-C10 AROMATIC HYDROCARBONS	ND	U	53000	ND	U	110000	ND	U	53000	ND	U	110000	ND	U	110000	ND	U	110000	ND	U	53000	ND	U	2700000	ND	U	2700000	ND	U	2700000	ND	U	5300000
	C9-C12 ALIPHATIC HYDROCARBONS	22000	J	76000	ND	U	150000	ND	U	76000	ND	U	150000	ND	U	150000	ND	U	150000	28000	J	76000	ND	U	3800000	ND	U	3800000	ND	U	3800000	ND	U	7600000
VOCs (ppbv) Method TO15	1,1,1-TRICHLOROETHANE	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000
	1,1,2,2-TETRACHLOROETHANE	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000
	1,1,2-TRICHLOROETHANE	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000
	1,1-DICHLOROETHANE	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000
	1,1-DICHLOROETHENE	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000
	1,2,4-TRICHLOROBENZENE	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000
	1,2,4-TRIMETHYLBENZENE	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000
	1,2-DIBROMOETHANE	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000
	1,2-DICHLOROBENZENE	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000
	1,2-DICHLOROETHANE	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000
	1,2-DICHLOROPROPANE	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000
	1,3,5-TRIMETHYLBENZENE	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000
	1,3-DICHLOROBENZENE	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000
	1,4-DICHLOROBENZENE	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000
	2-BUTANONE	1600	N/A	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	46000	N/A	20000	29000	N/A	20000	52000	N/A	20000	35000	N/A	20000
	2-HEXANONE	500	N/A	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000
	4-METHYL-2-PENTANONE	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000
	ACETONE	2600	N/A	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	950	N/A	800	860	N/A	400	410000	N/A	20000	310000	N/A	20000	520000	N/A	20000	300000	N/A	20000
	BENZENE	8700	N/A	400	4500	N/A	800	3600	N/A	800	5000	N/A	800	4500	N/A	800	4600	N/A	800	20000	N/A	400	220000	N/A	20000	170000	N/A	20000	270000	N/A	20000	160000	N/A	20000
	BENZENE, (CHLOROMETHYL)-	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000
	BROMODICHLOROMETHANE	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000
	BROMOFORM	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000
	BROMOMETHANE	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000
	CARBON DISULFIDE	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000
	CARBON TETRACHLORIDE	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000
	CHLOROBENZENE	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000
	CHLOROETHANE	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000
	CHLOROFORM	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000
	CHLOROMETHANE	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000
	CIS-1,2-DICHLOROETHENE	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000
	CIS-1,3-DICHLOROPROPENE	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000
	CYCLOHEXANE	12000	N/A	800	6900	N/A	1600	5600	N/A	1600	8300	N/A	1600	9200	N/A	1600	6900	N/A	1600	12000	N/A	800	860000	N/A	40000	820000	N/A	40000	1300000	N/A	80000	500000	N/A	40000
	DIBROMOCHLOROMETHANE	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000
	DICHLORODIFLUOROMETHANE	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000
	ERYTHRENE	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000
	ETHYL ACETATE	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000
	ETHYLBENZENE	730	J	800	ND	U	1600	ND	U	1600	ND	U	1600	ND	U	1600	ND	U	1600	1700	N/A	800	25000	J	40000	26000	J	40000	41000	N/A	40000	21000	J	40000
	FREON 113	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000
	HEPTANE	12000	N/A	400	8900	N/A	800	7100	N/A	800	9800	N/A	800	9500	N/A	800	8200	N/A	800	9400	N/A	400	780000	N/A	20000	680000	N/A	20000	820000	N/A	20000	310000	N/A	20000
	HEXACHLOROBUTADIENE	ND	U	800	ND	U	1600	ND	U	1600	ND	U	1600	ND	U	1600	ND	U	1600	ND	U	800	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	40000
	HEXANE	12000	N/A	800	6300	N/A	1600	5000	N/A	1600	7200	N/A	1600	7500	N/A	1600	6600	N/A	1600	8800	N/A	800	540000	N/A	40000	680000	N/A	40000	950000	N/A	40000	690000	N/A	40000
	M,P-XYLENES	2800	N/A	800	1400	J	1600	1200	J	1600	1500	J	1600	1300	J	1600	1400	J	1600	4200	N/A	800	58000	N/A	40000	51000	N/A	40000	79000	N/A	40000	48000	N/A	40000
	METHYL TERT-BUTYL ETHER	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000
	METHYLENE CHLORIDE	ND	U	2000	ND	U	4000	ND	U	4000	ND	U	4000	ND	U	4000	ND	U	4000	1000	J	2000	ND	U	100000	ND	U	100000	ND	U	100000	ND	U	100000
	NAPHTHALENE	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000
	O-XYLENE	610	N/A	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	1300	N/A	400	ND	U	20000	ND	U	20000	23000	N/A	20000	ND	U	20000
	PROPYLENE	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000
	STYRENE	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000
	TETRACHLOROETHENE	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000
	THF	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000
	TOLUENE	19000	N/A	400	13000	N/A	800	11000	N/A	800	14000	N/A	800	12000	N/A	800	12000	N/A	800	31000	N/A	800	600000	N/A	20000	400000	N/A	20000	600000	N/A	20000	230000	N/A	20000
	TRANS-1,2-DICHLOROETHENE	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000
	TRANS-1,3-DICHLOROPROPENE	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000
	TRICHLOROETHENE	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000
	TRICHLOROFLUOROMETHANE	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000
	VINYL ACETATE	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000
	VINYL CHLORIDE	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000
	XYLENES	3400	N/A	1200	1400	J	2400	1200	J	2400	1500	J	2400	1300	J	2400	1400	J	2400	5500	N/A	1200	58000	J	60000	51000	J	60000	100000	N/A	60000	48000	J	60000
FIXED GASES Method D2504 (Percent)	CARBON DIOXIDE	0.2	N/A	0.1	0.2	N/A	0.1	0.15	N/A	0.1	0.14	N/A	0.1	N/A	N/A	N/A	0.15	N/A	0.1	0.2	N/A	0.1	0.41	N/A	0.1	2.4	N/A	0.1	0.045	J	0.1	5.1	N/A	0.1
	CARBON MONOXIDE	ND	U	0.1	ND	U	0.1	ND	U	0.1	ND	U	0.1	N/A	N/A	N/A	ND	U	0.1	ND	U	0.1	ND	U	0.1	ND	U	0.1	ND	U	0.1	ND	U	0.1
	METHANE	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	N/A	N/A	N/A	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5
	NITROGEN	80	N/A	0.1	79	N/A	0.1	79	N/A	0.1	80	N/A	0.1	N/A	N/A	N/A	79	N/A	0.1	80	N/A	0.1	78	N/A	0.1	79	N/A	0.1	78	N/A	0.1	81	N/A	0.1
	OXYGEN	21	N/A	0.1	21	N/A	0.1	21	N/A	0.1	21	N/A	0.1	N/A	N/A	N/A	21	N/A	0.1	21	N/A	0.1	20	N/A	0.1	18	N/A	0.1	21	N/A	0.1	12	N/A	0.1

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

Shading indicates the analyte was detected.

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

J+ = estimated value, concentration is less than PQL but greater than laboratory MDL; biased high.

J- = estimated value, concentration is less than PQL but greater than laboratory MDL; biased low.

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

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

N/A = Not applicable.

ND = Not detected.

NM = Not measured due to sample receipt condition or analyzed on initial sample.

R = Sample data rejected, data unusable

RL = Reporting Limit.

Table 4-2
Soil Vapor Analytical Results
January - March 2012

	LOCATION CODE	SVEW-04-313			SVEW-05-460			SVEW-06-060			SVEW-07-160			SVEW-08-260			SVEW-09-460			SVEW-10-410			SVEW-11-410			SVEW-12-410			SVEW-13-410			SVMW-01-050		
	SAMPLE NO	VA1074			VA1075			VA1076			VA1077			VA1078			VA1079			VA1080			VA1081			VA1082			VA1083			VA1002		
	SAMPLE DATE	21-Mar-12			21-Mar-12			21-Mar-12			21-Mar-12			21-Mar-12			21-Mar-12			6-Mar-12			22-Mar-12			8-Mar-12			12-Jan-12			10-Jan-12		
	SAMPLE PURPOSE	REG			REG			REG			REG			REG			REG			REG			REG			REG			REG			REG		
	SAMPLE DEPTH	298-313 FT			445-460 FT			45-60 FT			145-160 FT			245-260 FT			435-450 FT			400-410 FT			400-410 FT			400-410 FT			400-410 Ft			50-52 FT		
Chemical Class & Analytical Method[a]	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	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
TPH (ug/m3)	C5-C8 ALIPHATIC HYDROCARBONS	2200000	N/A	940000	1200000	N/A	190000	1400000	N/A	190000	9100000	N/A	2300000	1600000	N/A	940000	1400000	N/A	190000	1400000	N/A	190000	2800000	N/A	940000	280000	N/A	23000	640000	N/A	94000	95000	N/A	47000
Method MADEP	C9-C10 AROMATIC HYDROCARBONS	ND	U	1100000	ND	U	210000	ND	U	210000	ND	U	2700000	ND	U	1100000	ND	U	210000	ND	U	210000	ND	U	1100000	ND	U	27000	ND	U	110000	ND	U	53000
APH	C9-C12 ALIPHATIC HYDROCARBONS	ND	U	1500000	ND	U	300000	ND	U	300000	ND	U	3800000	ND	U	1500000	82000	J	300000	ND	U	300000	ND	U	1500000	8300	J	38000	ND	U	150000	ND	U	76000
VOCs (ppbv)	1,1,1-TRICHLOROETHANE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000	ND	U	400	ND	U	8000	ND	U	400
Method TO15	1,1,2,2-TETRACHLOROETHANE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000	ND	U	400	ND	U	8000	ND	U	400
	1,1,2-TRICHLOROETHANE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000	ND	U	400	ND	U	8000	ND	U	400
	1,1-DICHLOROETHANE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000	ND	U	400	ND	U	8000	ND	U	400
	1,1-DICHLOROETHENE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000	ND	U	400	ND	U	8000	ND	U	400
	1,2,4-TRICHLOROBENZENE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000	ND	U	400	ND	U	8000	ND	U	400
	1,2,4-TRIMETHYLBENZENE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	1200	N/A	800	1000	N/A	800	ND	U	8000	ND	U	8000	ND	U	400	ND	U	8000	ND	U	400
	1,2-DIBROMOETHANE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000	ND	U	400	ND	U	8000	ND	U	400
	1,2-DICHLOROBENZENE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000	ND	U	400	ND	U	8000	ND	U	400
	1,2-DICHLOROETHANE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000	ND	U	400	ND	U	8000	ND	U	400
	1,2-DICHLOROPROPANE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000	ND	U	400	ND	U	8000	ND	U	400
	1,3,5-TRIMETHYLBENZENE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000	ND	U	400	ND	U	8000	ND	U	400
	1,3-DICHLOROBENZENE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000	ND	U	400	ND	U	8000	ND	U	400
	1,4-DICHLOROBENZENE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000	ND	U	400	ND	U	8000	ND	U	400
	2-BUTANONE	ND	U	8000	ND	U	8000	ND	U	8000	21000	N/A	8000	3800	N/A	800	2200	N/A	800	ND	U	8000	ND	U	8000	ND	U	400	ND	U	8000	ND	U	400
	2-HEXANONE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000	ND	U	400	ND	U	8000	ND	U	400
	4-METHYL-2-PENTANONE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000	ND	U	400	ND	U	8000	ND	U	400
	ACETONE	12000	N/A	8000	13000	N/A	8000	15000	N/A	8000	71000	N/A	8000	21000	N/A	800	13000	N/A	800	ND	U	8000	ND	U	8000	820	N/A	400	ND	U	8000	600	N/A	400
	BENZENE	28000	N/A	8000	20000	N/A	8000	19000	N/A	8000	81000	N/A	8000	9200	N/A	800	7700	N/A	800	16000	N/A	8000	30000	N/A	8000	1100	N/A	400	15000	N/A	8000	5800	N/A	400
	BENZENE, (CHLOROMETHYL)-	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000	ND	U	400	ND	U	8000	ND	U	400
	BROMODICHLOROMETHANE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000	ND	U	400	ND	U	8000	ND	U	400
	BROMOFORM	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000	ND	U	400	ND	U	8000	ND	U	400
	BROMOMETHANE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000	ND	U	400	ND	U	8000	ND	U	400
	CARBON DISULFIDE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000	ND	U	400	ND	U	8000	ND	U	400
	CARBON TETRACHLORIDE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000	ND	U	400	ND	U	8000	ND	U	400
	CHLOROBENZENE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000	ND	U	400	ND	U	8000	ND	U	400
	CHLOROETHANE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000	ND	U	400	ND	U	8000	ND	U	400
	CHLOROFORM	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000	ND	U	400	ND	U	8000	ND	U	400
	CHLOROMETHANE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000	ND	U	400	ND	U	8000	ND	U	400
	CIS-1,2-DICHLOROETHENE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000	ND	U	400	ND	U	8000	ND	U	400
	CIS-1,3-DICHLOROPROPENE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000	ND	U	400	ND	U	8000	ND	U	400
	CYCLOHEXANE	68000	N/A	16000	34000	N/A	16000	64000	N/A	16000	300000	N/A	16000	30000	N/A	1600	23000	N/A	1600	40000	N/A	16000	57000	N/A	16000	3100	N/A	800	19000	N/A	16000	2500	N/A	800
	DIBROMOCHLOROMETHANE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000	ND	U	400	ND	U	8000	ND	U	400
	DICHLORODIFLUOROMETHANE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000	ND	U	400	ND	U	8000	ND	U	400
	ERYTHRENE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000	ND	U	400	ND	U	8000	ND	U	400
	ETHYL ACETATE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000	ND	U	400	ND	U	8000	ND	U	400
	ETHYLBENZENE	ND	U	16000	8400	J	16000	ND	U	16000	14000	J	16000	4800	N/A	1600	4100	N/A	1600	ND	U	16000	ND	U	16000	ND	U	800	ND	U	16000	530	J	800
	FREON 113	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000	ND	U	400	ND	U	8000	ND	U	400
	HEPTANE	80000	N/A	8000	50000	N/A	8000	54000	N/A	8000	170000	N/A	8000	26000	N/A	800	22000	N/A	800	28000	N/A	8000	27000	N/A	8000	2000	N/A	400	20000	N/A	8000	1400	N/A	400
	HEXACHLOROBUTADIENE	ND	U	16000	ND	U	16000	ND	U	16000	ND	U	16000	ND	U	1600	ND	U	1600	ND	U	16000	ND	U	16000	ND	U	800	ND	U	16000	ND	U	800
	HEXANE	51000	N/A	16000	24000	N/A	16000	53000	N/A	16000	330000	N/A	40000	25000	N/A	1600	17000	N/A	1600	23000	N/A	16000	41000	N/A	16000	3400	N/A	800	14000	J	16000	2100	N/A	800
	M,P-XYLENES	17000	N/A	16000	20000	N/A	16000	12000	J	16000	32000	N/A	16000	12000	N/A	1600	10000	N/A	1600	ND	U	16000	10000	J	16000	930	N/A	800	ND	U	16000	1200	N/A	800
	METHYL TERT-BUTYL ETHER	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000	ND	U	400	ND	U	8000	ND	U	400
	METHYLENE CHLORIDE	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	4000	ND	U	4000	ND	U	40000	ND	U	40000	ND	U	2000	ND	U	40000	1000	J	2000
	NAPHTHALENE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000	ND	U	400	ND	U	8000	ND	U	400
	O-XYLENE	ND	U	8000	ND	U	8000	ND	U	8000	10000	N/A	8000	3600	N/A	800	3000	N/A	800	ND	U	8000	ND	U	8000	ND	U	400	ND	U	8000	460	N/A	400
	PROPYLENE	ND	U	8000	ND	U	8000	ND	U	8000	8900	N/A	8000	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000	ND	U	400	ND	U	8000	ND	U	400
	STYRENE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000	ND	U	400	ND	U	8000	ND	U	400
	TETRACHLOROETHENE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000	ND	U	400	ND	U	8000	ND	U	400
	THF	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000	ND	U	400	ND	U	8000	ND	U	400
	TOLUENE	90000	N/A	8000	84000	N/A	8000	58000	N/A	8000	120000	N/A	8000	34000	N/A	800	32000	N/A	800	33000	N/A	8000	59000	N/A	8000	4900	N/A	400	38000	N/A	8000	13000	N/A	400
	TRANS-1,2-DICHLOROETHENE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000	ND	U	400	ND	U	8000	ND	U	400
	TRANS-1,3-DICHLOROPROPENE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000	ND	U	400	ND	U	8000	ND	U	400
	TRICHLOROETHENE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000	ND	U	400	ND	U	8000	ND	U	400
	TRICHLOROFLUOROMETHANE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000	ND	U	400	ND	U	8000	ND	U	400
	VINYL ACETATE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000	ND	U	400	ND	U	8000	ND	U	400
	VINYL CHLORIDE	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	800	ND	U	800	ND	U	8000	ND	U	8000	ND	U	400	ND	U	8000	ND	U	400
	XYLENES	17000	J	24000	20000	J	24000	12000	J	24000	42000	N/A	24000	16000	N/A	2400	13000	N/A	2400	ND	U	24000	10000	J	24000	930	J	1200	ND	U	24000	1700	N/A	1200
FIXED GASES	CARBON DIOXIDE	0.46	N/A	0.1	0.056	J	0.1	0.11	N/A	0.1	0.95	N/A	0.1	0.62	N/A	0.1	0.059	J	0.1	0.11	N/A	0.1	0.087	J	0.1	0.12	N/A	0.1	0.062	J	0.1	5.9	N/A	0.1
Method D2504	CARBON MONOXIDE	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	ND	U	0.1	ND	U	0.1
(Percent)	METHANE	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5
	NITROGEN	79	N/A	0.1	78	N/A	0.1	79	N/A	0.1	79	N/A	0.1	81	N/A	0.1	79	N/A	0.1	79	N/A	0.1	79	N/A	0.1	78	N/A	0.1	78	N/A	0.1	80	N/A	0.1
	OXYGEN	19	N/A	0.1	21	N/A	0.1	21	N/A	0.1	19	N/A	0.1	19	N/A	0.1	21	N/A	0.1	21	N/A	0.1	21	N/A	0.1	20	N/A	0.1	21	N/A	0.1	13	N/A	0.1

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

Shading indicates the analyte was detected.

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

J+ = estimated value, concentration is less than PQL but greater than laboratory MDL; biased high.

J- = estimated value, concentration is less than PQL but greater than laboratory MDL; biased low.

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

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

N/A = Not applicable.

ND = Not detected.

NM = Not measured due to sample receipt condition or analyzed on initial sample.

R = Sample data rejected, data unusable

RL = Reporting Limit.

Table 4-2
Soil Vapor Analytical Results
January - March 2012

	LOCATION CODE	SVMW-01-050			SVMW-01-100			SVMW-01-250			SVMW-01-250			SVMW-01-300			SVMW-02-050			SVMW-02-100			SVMW-02-150			SVMW-03-050			SVMW-03-100			SVMW-03-250		
	SAMPLE NO	VA1003			VA1004			VA1005			VA1005R			VA1006			VA1007			VA1008			VA1009			VA1010			VA1011			VA1012		
	SAMPLE DATE	10-Jan-12			10-Jan-12			10-Jan-12			20-Jan-12			10-Jan-12			14-Mar-12			14-Mar-12			14-Mar-12			5-Mar-12			5-Mar-12			5-Mar-12		
	SAMPLE PURPOSE	FD			REG			REG			REG			REG			REG			REG			REG			REG			REG			REG		
	SAMPLE DEPTH	50-52 FT			100-103 FT			251-253 FT			251-253 FT			309-311 FT			50-53 FT			97-100 FT			150-153 FT			50-53 FT			100-103 FT			250-253 FT		
Chemical Class & Analytical Method[a]	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	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
TPH (ug/m3) Method MADEP APH	C5-C8 ALIPHATIC HYDROCARBONS	120000	N/A	47000	1.1E+07	N/A	940000	N/A	N/A	N/A	96000	N/A	23000	1000000	N/A	94000	450000	N/A	47000	3E+07	N/A	4700000	1200000	N/A	94000	1.3E+07	N/A	940000	1.6E+07	N/A	2300000	2.3E+07	N/A	2300000
	C9-C10 AROMATIC HYDROCARBONS	ND	U	53000	ND	U	1100000	N/A	N/A	N/A	ND	U	27000	ND	U	110000	ND	U	53000	ND	U	5300000	ND	U	110000	ND	U	1100000	ND	U	2700000	ND	U	2700000
	C9-C12 ALIPHATIC HYDROCARBONS	ND	U	76000	ND	U	1500000	N/A	N/A	N/A	ND	U	38000	ND	U	150000	ND	U	76000	ND	U	7600000	ND	U	150000	ND	U	1500000	ND	U	3800000	ND	U	3800000
VOCs (ppbv) Method TO15	1,1,1-TRICHLOROETHANE	ND	U	40	ND	U	800	N/A	N/A	N/A	ND	U	200	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000
	1,1,2,2-TETRACHLOROETHANE	ND	U	40	ND	U	800	N/A	N/A	N/A	ND	U	200	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000
	1,1,2-TRICHLOROETHANE	ND	U	40	ND	U	800	N/A	N/A	N/A	ND	U	200	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000
	1,1-DICHLOROETHANE	ND	U	40	ND	U	800	N/A	N/A	N/A	ND	U	200	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000
	1,1-DICHLOROETHENE	ND	U	40	ND	U	800	N/A	N/A	N/A	ND	U	200	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000
	1,2,4-TRICHLOROBENZENE	ND	U	40	ND	U	800	N/A	N/A	N/A	ND	U	200	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000
	1,2,4-TRIMETHYLBENZENE	ND	U	40	ND	U	800	N/A	N/A	N/A	ND	U	200	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000
	1,2-DIBROMOETHANE	ND	U	40	ND	U	800	N/A	N/A	N/A	ND	U	200	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000
	1,2-DICHLOROBENZENE	ND	U	40	ND	U	800	N/A	N/A	N/A	ND	U	200	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000
	1,2-DICHLOROETHANE	ND	U	40	ND	U	800	N/A	N/A	N/A	ND	U	200	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000
	1,2-DICHLOROPROPANE	ND	U	40	ND	U	800	N/A	N/A	N/A	ND	U	200	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000
	1,3,5-TRIMETHYLBENZENE	ND	U	40	ND	U	800	N/A	N/A	N/A	ND	U	200	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000
	1,3-DICHLOROBENZENE	ND	U	40	ND	U	800	N/A	N/A	N/A	ND	U	200	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000
	1,4-DICHLOROBENZENE	ND	U	40	ND	U	800	N/A	N/A	N/A	ND	U	200	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000
	2-BUTANONE	ND	U	40	ND	U	800	N/A	N/A	N/A	ND	U	200	ND	U	800	650	N/A	400	ND	U	8000	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000
	2-HEXANONE	ND	U	40	ND	U	800	N/A	N/A	N/A	ND	U	200	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000
	4-METHYL-2-PENTANONE	ND	U	40	ND	U	800	N/A	N/A	N/A	ND	U	200	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000
	ACETONE	ND	U	40	ND	U	800	N/A	N/A	N/A	300	N/A	200	ND	U	800	2900	N/A	400	ND	U	8000	830	N/A	400	ND	U	20000	26000	N/A	20000	ND	U	20000
	BENZENE	7100	N/A	400	32000	N/A	8000	N/A	N/A	N/A	2500	N/A	200	35000	N/A	800	2900	N/A	400	120000	N/A	8000	15000	N/A	400	29000	N/A	20000	110000	N/A	20000	160000	N/A	20000
	BENZENE, (CHLOROMETHYL)-	ND	U	40	ND	U	800	N/A	N/A	N/A	ND	U	200	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000
	BROMODICHLOROMETHANE	ND	U	40	ND	U	800	N/A	N/A	N/A	ND	U	200	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000
	BROMOFORM	ND	U	40	ND	U	800	N/A	N/A	N/A	ND	U	200	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000
	BROMOMETHANE	ND	U	40	ND	U	800	N/A	N/A	N/A	ND	U	200	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000
	CARBON DISULFIDE	ND	U	40	ND	U	800	N/A	N/A	N/A	ND	U	200	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000
	CARBON TETRACHLORIDE	ND	U	40	ND	U	800	N/A	N/A	N/A	ND	U	200	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000
	CHLOROBENZENE	ND	U	40	ND	U	800	N/A	N/A	N/A	ND	U	200	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000
	CHLOROETHANE	ND	U	40	ND	U	800	N/A	N/A	N/A	ND	U	200	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000
	CHLOROFORM	ND	U	40	ND	U	800	N/A	N/A	N/A	ND	U	200	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000
	CHLOROMETHANE	ND	U	40	ND	U	800	N/A	N/A	N/A	ND	U	200	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000
	CIS-1,2-DICHLOROETHENE	ND	U	40	ND	U	800	N/A	N/A	N/A	ND	U	200	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000
	CIS-1,3-DICHLOROPROPENE	ND	U	40	ND	U	800	N/A	N/A	N/A	ND	U	200	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000
	CYCLOHEXANE	1600	N/A	80	370000	N/A	16000	N/A	N/A	N/A	1100	N/A	400	320000	N/A	16000	3600	N/A	800	380000	N/A	16000	17000	N/A	800	490000	N/A	40000	660000	N/A	40000	690000	N/A	40000
	DIBROMOCHLOROMETHANE	ND	U	40	ND	U	800	N/A	N/A	N/A	ND	U	200	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000
	DICHLORODIFLUOROMETHANE	ND	U	40	ND	U	800	N/A	N/A	N/A	ND	U	200	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000
	ERYTHRENE	ND	U	40	ND	U	800	N/A	N/A	N/A	ND	U	200	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000
	ETHYL ACETATE	ND	U	40	ND	U	800	N/A	N/A	N/A	ND	U	200	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000
	ETHYLBENZENE	390	N/A	80	2500	N/A	1600	N/A	N/A	N/A	210	J	400	1300	J	1600	ND	U	800	9400	J	16000	510	J	800	ND	U	40000	ND	U	40000	ND	U	40000
	FREON 113	ND	U	40	ND	U	800	N/A	N/A	N/A	ND	U	200	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000
	HEPTANE	1100	N/A	40	150000	N/A	8000	N/A	N/A	N/A	590	N/A	200	120000	N/A	8000	3700	N/A	400	170000	N/A	8000	7400	N/A	400	88000	N/A	20000	220000	N/A	20000	450000	N/A	20000
	HEXACHLOROBUTADIENE	ND	U	80	ND	U	1600	N/A	N/A	N/A	ND	U	400	ND	U	1600	ND	U	800	ND	U	16000	ND	U	800	ND	U	40000	ND	U	40000	ND	U	40000
	HEXANE	1000	N/A	80	970000	N/A	40000	N/A	N/A	N/A	760	N/A	400	16000	J	20000	2800	N/A	800	270000	N/A	16000	16000	N/A	800	210000	N/A	40000	330000	N/A	40000	620000	N/A	40000
	M,P-XYLENES	950	N/A	80	7300	N/A	1600	N/A	N/A	N/A	390	J	400	3800	N/A	1600	1100	N/A	800	24000	N/A	16000	1600	N/A	800	ND	U	40000	21000	J	40000	27000	J	40000
	METHYL TERT-BUTYL ETHER	ND	U	40	ND	U	800	N/A	N/A	N/A	ND	U	200	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000
	METHYLENE CHLORIDE	ND	U	200	ND	U	4000	N/A	N/A	N/A	ND	U	1000	ND	U	4000	ND	U	2000	ND	U	40000	ND	U	2000	ND	U	100000	ND	U	100000	ND	U	100000
	NAPHTHALENE	ND	U	40	ND	U	800	N/A	N/A	N/A	ND	U	200	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000
	O-XYLENE	330	N/A	40	1700	N/A	800	N/A	N/A	N/A	ND	U	200	1200	N/A	800	ND	U	400	8600	N/A	8000	530	N/A	400	ND	U	20000	ND	U	20000	ND	U	20000
	PROPYLENE	ND	U	40	8100	N/A	800	N/A	N/A	N/A	380	N/A	200	3400	N/A	800	ND	U	400	ND	U	8000	590	N/A	400	ND	U	20000	ND	U	20000	ND	U	20000
	STYRENE	ND	U	40	ND	U	800	N/A	N/A	N/A	ND	U	200	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000
	TETRACHLOROETHENE	ND	U	40	ND	U	800	N/A	N/A	N/A	ND	U	200	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000
	THF	ND	U	40	ND	U	800	N/A	N/A	N/A	ND	U	200	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000
	TOLUENE	18000	N/A	400	23000	N/A	8000	N/A	N/A	N/A	6300	N/A	200	26000	N/A	8000	7600	N/A	400	250000	N/A	8000	16000	N/A	400	35000	N/A	20000	54000	N/A	20000	220000	N/A	20000
	TRANS-1,2-DICHLOROETHENE	ND	U	40	ND	U	800	N/A	N/A	N/A	ND	U	200	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000
	TRANS-1,3-DICHLOROPROPENE	ND	U	40	ND	U	800	N/A	N/A	N/A	ND	U	200	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000
	TRICHLOROETHENE	ND	U	40	ND	U	800	N/A	N/A	N/A	ND	U	200	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000
	TRICHLOROFLUOROMETHANE	ND	U	40	ND	U	800	N/A	N/A	N/A	ND	U	200	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000
	VINYL ACETATE	ND	U	40	ND	U	800	N/A	N/A	N/A	ND	U	200	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000
	VINYL CHLORIDE	ND	U	40	ND	U	800	N/A	N/A	N/A	ND	U	200	ND	U	800	ND	U	400	ND	U	8000	ND	U	400	ND	U	20000	ND	U	20000	ND	U	20000
	XYLENES	1300	N/A	120	9100	N/A	2400	N/A	N/A	N/A	390	J	600	4900	N/A	2400	1100	J	1200	33000	N/A	24000	2100	N/A	1200	ND	U	60000	21000	J	60000	27000	J	60000
FIXED GASES Method D2504 (Percent)	CARBON DIOXIDE	6.5	N/A	0.1	8.3	N/A	0.1	0.69	N/A	0.1	N/A	N/A	N/A	0.63	N/A	0.1	4.5	N/A	0.1	8.6	N/A	0.1	0.92	N/A	0.1	11	N/A	0.1	0.91	N/A	0.1	6.2	N/A	0.1
	CARBON MONOXIDE	ND	U	0.1	ND	U	0.1	ND	U	0.1	N/A	N/A	N/A	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
	METHANE	ND	U	0.5	ND	U	0.5	ND	U	0.5	N/A	N/A	N/A	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5
	NITROGEN	80	N/A	0.1	81	N/A	0.1	79	N/A	0.1	N/A	N/A	N/A	79	N/A	0.1	80	N/A	0.1	81	N/A	0.1	80	N/A	0.1	85	N/A	0.1	77	N/A	0.1	84	N/A	0.1
	OXYGEN	12	N/A	0.1	10	N/A	0.1	20	N/A	0.1	N/A	N/A	N/A	20	N/A	0.1	15	N/A	0.1	8.8	N/A	0.1	19	N/A	0.1	2.3	N/A	0.1	20	N/A	0.1	8.2	N/A	0.1

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

Shading indicates the analyte was detected.

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

J+ = estimated value, concentration is less than PQL but greater than laboratory MDL; biased high.

J- = estimated value, concentration is less than PQL but greater than laboratory MDL; biased low.

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

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

N/A = Not applicable.

ND = Not detected.

NM = Not measured due to sample receipt condition or analyzed on initial sample.

R = Sample data rejected, data unusable

RL = Reporting Limit.

Table 4-2
Soil Vapor Analytical Results
January - March 2012

	LOCATION CODE	SVMW-03-300			SVMW-04-050			SVMW-04-100			SVMW-04-100			SVMW-04-250			SVMW-04-300			SVMW-05-050			SVMW-05-100			SVMW-05-230			SVMW-05-290			SVMW-06-050		
	SAMPLE NO	VA1013			VA1014			VA1015			VA1016			VA1017			VA1018			VA1019			VA1020			VA1021			VA1022			VA1023		
	SAMPLE DATE	5-Mar-12			13-Mar-12			13-Mar-12			13-Mar-12			13-Mar-12			13-Mar-12			14-Mar-12			14-Mar-12			14-Mar-12			14-Mar-12			10-Jan-12		
	SAMPLE PURPOSE	REG			REG			REG			FD			REG			REG			REG			REG			REG			REG			REG		
	SAMPLE DEPTH	300-303 FT			50-53 FT			98-101 FT			98-101 FT			250-253 FT			298-300 FT			50-53 FT			100-103 FT			230-231 FT			288-290 FT			50-53 FT		
Chemical Class & Analytical Method[a]	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	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
TPH (ug/m3) Method MADEP APH	C5-C8 ALIPHATIC HYDROCARBONS	1.3E+07	N/A	940000	2400000	N/A	190000	3.5E+07	N/A	4700000	3E+07	N/A	2300000	7100000	N/A	940000	2000000	N/A	190000	140000	N/A	47000	380000	N/A	47000	190000	N/A	47000	420000	N/A	47000	1700	N/A	940
	C9-C10 AROMATIC HYDROCARBONS	ND	U	1100000	ND	U	210000	ND	U	5300000	ND	U	2700000	ND	U	1100000	ND	U	210000	ND	U	53000	ND	U	53000	ND	U	53000	ND	U	53000	ND	U	1100
	C9-C12 ALIPHATIC HYDROCARBONS	ND	U	1500000	ND	U	300000	ND	U	7600000	ND	U	3800000	ND	U	1500000	66000	J	300000	ND	U	76000	ND	U	76000	11000	J	76000	ND	U	76000	1100	J	1500
VOCs (ppbv) Method TO15	1,1,1-TRICHLOROETHANE	ND	U	8000	ND	U	800	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	1,1,2,2-TETRACHLOROETHANE	ND	U	8000	ND	U	800	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	1,1,2-TRICHLOROETHANE	ND	U	8000	ND	U	800	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	1,1-DICHLOROETHANE	ND	U	8000	ND	U	800	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	1,1-DICHLOROETHENE	ND	U	8000	ND	U	800	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	1,2,4-TRICHLOROBENZENE	ND	UJ	8000	ND	U	800	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	1,2,4-TRIMETHYLBENZENE	ND	U	8000	ND	U	800	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	400	13	N/A	8
	1,2-DIBROMOETHANE	ND	U	8000	ND	U	800	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	1,2-DICHLOROBENZENE	ND	U	8000	ND	U	800	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	1,2-DICHLOROETHANE	ND	U	8000	ND	U	800	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	1,2-DICHLOROPROPANE	ND	U	8000	ND	U	800	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	1,3,5-TRIMETHYLBENZENE	ND	U	8000	ND	U	800	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	1,3-DICHLOROBENZENE	ND	U	8000	ND	U	800	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	1,4-DICHLOROBENZENE	ND	U	8000	ND	U	800	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	2-BUTANONE	ND	U	8000	ND	U	800	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	2-HEXANONE	ND	U	8000	ND	U	800	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	4-METHYL-2-PENTANONE	ND	U	8000	ND	U	800	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	ACETONE	ND	U	8000	ND	U	800	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	800	700	N/A	400	550	N/A	400	1400	N/A	400	2000	N/A	400	14	N/A	8
	BENZENE	130000	N/A	8000	13000	N/A	800	190000	N/A	20000	310000	N/A	20000	22000	N/A	8000	16000	N/A	800	2700	N/A	400	1900	N/A	400	1700	N/A	400	3900	N/A	400	ND	U	8
	BENZENE, (CHLOROMETHYL)-	ND	U	8000	ND	U	800	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	BROMODICHLOROMETHANE	ND	U	8000	ND	U	800	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	BROMOFORM	ND	U	8000	ND	U	800	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	BROMOMETHANE	ND	U	8000	ND	U	800	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	CARBON DISULFIDE	ND	U	8000	ND	U	800	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	CARBON TETRACHLORIDE	ND	U	8000	ND	U	800	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	CHLOROBENZENE	ND	U	8000	ND	U	800	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	CHLOROETHANE	ND	U	8000	ND	U	800	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	CHLOROFORM	ND	U	8000	ND	U	800	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	CHLOROMETHANE	ND	U	8000	ND	U	800	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	CIS-1,2-DICHLOROETHENE	ND	U	8000	ND	U	800	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	CIS-1,3-DICHLOROPROPENE	ND	U	8000	ND	U	800	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	CYCLOHEXANE	650000	N/A	40000	9100	N/A	1600	750000	N/A	40000	900000	N/A	40000	170000	N/A	16000	29000	N/A	1600	5200	N/A	800	11000	N/A	800	3100	N/A	800	5300	N/A	800	ND	U	16
	DIBROMOCHLOROMETHANE	ND	U	8000	ND	U	800	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	DICHLORODIFLUOROMETHANE	ND	U	8000	ND	U	800	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	ERYTHRENE	ND	U	8000	ND	U	800	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	ETHYL ACETATE	ND	U	8000	ND	U	800	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	ETHYLBENZENE	17000	N/A	16000	ND	U	1600	ND	U	40000	ND	U	40000	ND	U	16000	1700	N/A	1600	540	J	800	ND	U	800	ND	U	800	430	J	800	11	J	16
	FREON 113	ND	U	8000	ND	U	800	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	HEPTANE	300000	N/A	8000	2600	N/A	800	340000	N/A	20000	430000	N/A	20000	140000	N/A	8000	20000	N/A	800	3800	N/A	400	2900	N/A	400	2900	N/A	400	3800	N/A	400	ND	U	8
	HEXACHLOROBUTADIENE	ND	U	16000	ND	U	1600	ND	U	40000	ND	U	40000	ND	U	16000	ND	U	1600	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	16
	HEXANE	320000	N/A	16000	4700	N/A	1600	710000	N/A	40000	880000	N/A	40000	160000	N/A	16000	22000	N/A	1600	4300	N/A	800	5200	N/A	800	2400	N/A	800	3500	N/A	800	ND	U	16
	M,P-XYLENES	43000	N/A	16000	ND	U	1600	21000	J	40000	23000	J	40000	ND	U	16000	5800	N/A	1600	1500	N/A	800	1100	N/A	800	1100	N/A	800	1300	N/A	800	46	N/A	16
	METHYL TERT-BUTYL ETHER	ND	U	8000	ND	U	800	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	METHYLENE CHLORIDE	ND	U	40000	ND	U	4000	ND	U	100000	ND	U	100000	ND	U	40000	ND	U	4000	ND	U	2000	ND	U	2000	ND	U	2000	ND	U	2000	ND	U	40
	NAPHTHALENE	ND	UJ	8000	ND	U	800	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	O-XYLENE	14000	N/A	8000	ND	U	800	ND	U	20000	ND	U	20000	ND	U	8000	1800	N/A	800	480	N/A	400	ND	U	400	ND	U	400	ND	U	400	22	N/A	8
	PROPYLENE	ND	U	8000	ND	U	800	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	STYRENE	ND	U	8000	ND	U	800	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	TETRACHLOROETHENE	ND	U	8000	ND	U	800	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	THF	ND	U	8000	ND	U	800	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	TOLUENE	230000	N/A	8000	980	N/A	800	200000	N/A	20000	320000	N/A	20000	22000	N/A	8000	27000	N/A	800	8400	N/A	400	5900	N/A	400	6600	N/A	400	7800	N/A	400	33	N/A	8
	TRANS-1,2-DICHLOROETHENE	ND	U	8000	ND	U	800	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	TRANS-1,3-DICHLOROPROPENE	ND	U	8000	ND	U	800	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	TRICHLOROETHENE	ND	U	8000	ND	U	800	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	TRICHLOROFLUOROMETHANE	ND	U	8000	ND	U	800	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	VINYL ACETATE	ND	U	8000	ND	U	800	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	VINYL CHLORIDE	ND	U	8000	ND	U	800	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	800	ND	U	400	ND	U	400	ND	U	400	ND	U	400	ND	U	8
	XYLENES	57000	N/A	24000	ND	U	2400	21000	J	60000	23000	J	60000	ND	U	24000	7600	N/A	2400	1900	N/A	1200	1100	J	1200	1100	J	1200	1300	N/A	1200	68	N/A	24
FIXED GASES Method D2504 (Percent)	CARBON DIOXIDE	3.9	N/A	0.1	3.7	N/A	0.1	3.7	N/A	0.1	4.1	N/A	0.1	0.36	N/A	0.1	0.28	N/A	0.1	3.7	N/A	0.1	5.5	N/A	0.1	0.56	N/A	0.1	0.61	N/A	0.1	1.9	N/A	0.1
	CARBON MONOXIDE	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	ND	U	0.1	ND	U	0.1
	METHANE	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5
	NITROGEN	82	N/A	0.1	80	N/A	0.1	79	N/A	0.1	80	N/A	0.1	78	N/A	0.1	78	N/A	0.1	80	N/A	0.1	80	N/A	0.1	79	N/A	0.1	79	N/A	0.1	79	N/A	0.1
	OXYGEN	13	N/A	0.1	15	N/A	0.1	15	N/A	0.1	14	N/A	0.1	20	N/A	0.1	20	N/A	0.1	16	N/A	0.1	13	N/A	0.1	20	N/A	0.1	20	N/A	0.1	19	N/A	0.1

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

Shading indicates the analyte was detected.

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

J+ = estimated value, concentration is less than PQL but greater than laboratory MDL; biased high.

J- = estimated value, concentration is less than PQL but greater than laboratory MDL; biased low.

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

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

N/A = Not applicable.

ND = Not detected.

NM = Not measured due to sample receipt condition or analyzed on initial sample.

R = Sample data rejected, data unusable

RL = Reporting Limit.

Table 4-2
Soil Vapor Analytical Results
January - March 2012

	LOCATION CODE	SVMW-06-100			SVMW-06-252			SVMW-06-302			SVMW-06-302			SVMW-07-050			SVMW-07-100			SVMW-07-100			SVMW-07-150			SVMW-08-050			SVMW-08-100			SVMW-08-250		
	SAMPLE NO	VA1024			VA1025			VA1026			VA1026R			VA1027			VA1028			VA1029			VA1030			VA1031			VA1032			VA1033		
	SAMPLE DATE	10-Jan-12			10-Jan-12			10-Jan-12			20-Jan-12			19-Mar-12			19-Mar-12			19-Mar-12			19-Mar-12			14-Mar-12			14-Mar-12			14-Mar-12		
	SAMPLE PURPOSE	REG			REG			REG			REG			REG			REG			FD			REG			REG			REG			REG		
	SAMPLE DEPTH	100-102 FT			252-255 FT			303-305 FT			303-305 FT			50-52 FT			96-98 FT			96-98 FT			148-150 FT			50-53 FT			100-103 FT			250-253 FT		
Chemical Class & Analytical Method[a]	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	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
TPH (ug/m3)	C5-C8 ALIPHATIC HYDROCARBONS	940	N/A	940	1E+07	N/A	940000	N/A	N/A	N/A	5400000	N/A	940000	190000	N/A	94000	3900000	N/A	940000	270000	N/A	94000	160000	N/A	47000	3E+07	N/A	2300000	1200000	N/A	190000	1.2E+07	N/A	940000
Method MADEP	C9-C10 AROMATIC HYDROCARBONS	ND	U	1100	ND	U	1100000	N/A	N/A	N/A	ND	U	1100000	ND	U	110000	ND	U	1100000	ND	U	110000	ND	U	53000	ND	U	2700000	ND	U	210000	ND	U	1100000
APH	C9-C12 ALIPHATIC HYDROCARBONS	1200	J	1500	ND	U	1500000	N/A	N/A	N/A	ND	U	1500000	ND	U	150000	ND	U	1500000	ND	U	150000	ND	U	76000	ND	U	3800000	ND	U	300000	ND	U	1500000
VOCs (ppbv)	1,1,1-TRICHLOROETHANE	ND	U	8	ND	U	8000	N/A	N/A	N/A	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000
Method TO15	1,1,2,2-TETRACHLOROETHANE	ND	U	8	ND	U	8000	N/A	N/A	N/A	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000
	1,1,2-TRICHLOROETHANE	ND	U	8	ND	U	8000	N/A	N/A	N/A	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000
	1,1-DICHLOROETHANE	ND	U	8	ND	U	8000	N/A	N/A	N/A	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000
	1,1-DICHLOROETHENE	ND	U	8	ND	U	8000	N/A	N/A	N/A	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000
	1,2,4-TRICHLOROBENZENE	ND	U	8	ND	U	8000	N/A	N/A	N/A	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000
	1,2,4-TRIMETHYLBENZENE	12	N/A	8	ND	U	8000	N/A	N/A	N/A	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000
	1,2-DIBROMOETHANE	ND	U	8	ND	U	8000	N/A	N/A	N/A	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000
	1,2-DICHLOROBENZENE	ND	U	8	ND	U	8000	N/A	N/A	N/A	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000
	1,2-DICHLOROETHANE	ND	U	8	ND	U	8000	N/A	N/A	N/A	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000
	1,2-DICHLOROPROPANE	ND	U	8	ND	U	8000	N/A	N/A	N/A	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000
	1,3,5-TRIMETHYLBENZENE	ND	U	8	ND	U	8000	N/A	N/A	N/A	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000
	1,3-DICHLOROBENZENE	ND	U	8	ND	U	8000	N/A	N/A	N/A	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000
	1,4-DICHLOROBENZENE	ND	U	8	ND	U	8000	N/A	N/A	N/A	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000
	2-BUTANONE	ND	U	8	ND	U	8000	N/A	N/A	N/A	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000
	2-HEXANONE	ND	U	8	ND	U	8000	N/A	N/A	N/A	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000
	4-METHYL-2-PENTANONE	ND	U	8	ND	U	8000	N/A	N/A	N/A	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000
	ACETONE	9.7	N/A	8	ND	U	8000	N/A	N/A	N/A	ND	U	8000	ND	U	800	970	N/A	800	ND	U	800	ND	U	800	ND	U	8000	1200	N/A	800	ND	U	8000
	BENZENE	ND	U	8	160000	N/A	8000	N/A	N/A	N/A	42000	N/A	8000	4600	N/A	800	27000	N/A	800	20000	N/A	800	1900	N/A	800	170000	N/A	8000	6000	N/A	800	32000	N/A	8000
	BENZENE, (CHLOROMETHYL)-	ND	U	8	ND	U	8000	N/A	N/A	N/A	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000
	BROMODICHLOROMETHANE	ND	U	8	ND	U	8000	N/A	N/A	N/A	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000
	BROMOFORM	ND	U	8	ND	U	8000	N/A	N/A	N/A	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000
	BROMOMETHANE	ND	U	8	ND	U	8000	N/A	N/A	N/A	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000
	CARBON DISULFIDE	ND	U	8	ND	U	8000	N/A	N/A	N/A	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000
	CARBON TETRACHLORIDE	ND	U	8	ND	U	8000	N/A	N/A	N/A	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000
	CHLOROBENZENE	ND	U	8	ND	U	8000	N/A	N/A	N/A	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000
	CHLOROETHANE	ND	U	8	ND	U	8000	N/A	N/A	N/A	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000
	CHLOROFORM	ND	U	8	ND	U	8000	N/A	N/A	N/A	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000
	CHLOROMETHANE	ND	U	8	ND	U	8000	N/A	N/A	N/A	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000
	CIS-1,2-DICHLOROETHENE	ND	U	8	ND	U	8000	N/A	N/A	N/A	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000
	CIS-1,3-DICHLOROPROPENE	ND	U	8	ND	U	8000	N/A	N/A	N/A	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000
	CYCLOHEXANE	ND	U	16	260000	N/A	16000	N/A	N/A	N/A	44000	N/A	16000	2500	N/A	1600	82000	N/A	16000	39000	N/A	1600	2800	N/A	1600	760000	N/A	40000	11000	N/A	1600	320000	N/A	16000
	DIBROMOCHLOROMETHANE	ND	U	8	ND	U	8000	N/A	N/A	N/A	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000
	DICHLORODIFLUOROMETHANE	ND	U	8	ND	U	8000	N/A	N/A	N/A	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000
	ERYTHRENE	ND	U	8	ND	U	8000	N/A	N/A	N/A	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000
	ETHYL ACETATE	ND	U	8	ND	U	8000	N/A	N/A	N/A	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000
	ETHYLBENZENE	ND	U	16	ND	U	16000	N/A	N/A	N/A	ND	U	16000	ND	U	1600	ND	U	1600	ND	U	1600	ND	U	1600	ND	U	16000	1100	J	1600	ND	U	16000
	FREON 113	ND	U	8	ND	U	8000	N/A	N/A	N/A	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000
	HEPTANE	ND	U	8	63000	N/A	8000	N/A	N/A	N/A	13000	N/A	8000	3000	N/A	800	16000	N/A	800	14000	N/A	800	3400	N/A	800	170000	N/A	8000	7900	N/A	800	210000	N/A	8000
	HEXACHLOROBUTADIENE	ND	U	16	ND	U	16000	N/A	N/A	N/A	ND	U	16000	ND	U	1600	ND	U	1600	ND	U	1600	ND	U	1600	ND	U	16000	ND	U	1600	ND	U	16000
	HEXANE	ND	U	16	240000	N/A	16000	N/A	N/A	N/A	40000	N/A	16000	1600	N/A	1600	58000	N/A	16000	31000	N/A	1600	2100	N/A	1600	730000	N/A	40000	12000	N/A	1600	340000	N/A	16000
	M,P-XYLENES	33	N/A	16	ND	U	16000	N/A	N/A	N/A	ND	U	16000	1300	J	1600	3500	N/A	1600	3200	N/A	1600	1600	N/A	1600	13000	J	16000	2500	N/A	1600	ND	U	16000
	METHYL TERT-BUTYL ETHER	ND	U	8	ND	U	8000	N/A	N/A	N/A	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000
	METHYLENE CHLORIDE	ND	U	40	ND	U	40000	N/A	N/A	N/A	ND	U	40000	ND	U	4000	ND	U	4000	ND	U	4000	ND	U	4000	ND	U	40000	1900	J	4000	ND	U	40000
	NAPHTHALENE	ND	U	8	ND	U	8000	N/A	N/A	N/A	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000
	O-XYLENE	18	N/A	8	ND	U	8000	N/A	N/A	N/A	ND	U	8000	ND	U	800	1000	N/A	800	900	N/A	800	ND	U	800	ND	U	8000	830	N/A	800	ND	U	8000
	PROPYLENE	ND	U	8	8100	N/A	8000	N/A	N/A	N/A	22000	N/A	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	18000	N/A	8000	ND	U	800	ND	U	8000
	STYRENE	ND	U	8	ND	U	8000	N/A	N/A	N/A	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000
	TETRACHLOROETHENE	ND	U	8	ND	U	8000	N/A	N/A	N/A	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000
	THF	ND	U	8	ND	U	8000	N/A	N/A	N/A	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000
	TOLUENE	15	N/A	8	20000	N/A	8000	N/A	N/A	N/A	37000	N/A	8000	6800	N/A	800	38000	N/A	800	32000	N/A	800	9000	N/A	800	130000	N/A	8000	11000	N/A	800	26000	N/A	8000
	TRANS-1,2-DICHLOROETHENE	ND	U	8	ND	U	8000	N/A	N/A	N/A	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000
	TRANS-1,3-DICHLOROPROPENE	ND	U	8	ND	U	8000	N/A	N/A	N/A	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000
	TRICHLOROETHENE	ND	U	8	ND	U	8000	N/A	N/A	N/A	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000
	TRICHLOROFLUOROMETHANE	ND	U	8	ND	U	8000	N/A	N/A	N/A	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000
	VINYL ACETATE	ND	U	8	ND	U	8000	N/A	N/A	N/A	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000
	VINYL CHLORIDE	ND	U	8	ND	U	8000	N/A	N/A	N/A	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000
	XYLENES	51	N/A	24	ND	U	24000	N/A	N/A	N/A	ND	U	24000	1300	J	2400	4500	N/A	2400	4100	N/A	2400	1600	J	2400	13000	J	24000	3300	N/A	2400	ND	U	24000
FIXED GASES	CARBON DIOXIDE	2.5	N/A	0.1	1.1	N/A	0.1	0.88	N/A	0.1	N/A	N/A	N/A	0.15	N/A	0.1	1.7	N/A	0.1	1.5	N/A	0.1	3.1	N/A	0.1	3.6	N/A	0.1	4.4	N/A	0.1	0.61	N/A	0.1
Method D2504	CARBON MONOXIDE	ND	U	0.1	ND	U	0.1	ND	U	0.1	N/A	N/A	N/A	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
(Percent)	METHANE	ND	U	0.5	ND	U	0.5	ND	U	0.5	N/A	N/A	N/A	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5
	NITROGEN	80	N/A	0.1	82	N/A	0.1	81	N/A	0.1	N/A	N/A	N/A	79	N/A	0.1	79	N/A	0.1	79	N/A	0.1	79	N/A	0.1	81	N/A	0.1	81	N/A	0.1	79	N/A	0.1
	OXYGEN	18	N/A	0.1	16	N/A	0.1	18	N/A	0.1	N/A	N/A	N/A	21	N/A	0.1	19	N/A	0.1	19	N/A	0.1	17	N/A	0.1	15	N/A	0.1	14	N/A	0.1	19	N/A	0.1

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

Shading indicates the analyte was detected.

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

J+ = estimated value, concentration is less than PQL but greater than laboratory MDL; biased high.

J- = estimated value, concentration is less than PQL but greater than laboratory MDL; biased low.

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

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

N/A = Not applicable.

ND = Not detected.

NM = Not measured due to sample receipt condition or analyzed on initial sample.

R = Sample data rejected, data unusable

RL = Reporting Limit.

Table 4-2
Soil Vapor Analytical Results
January - March 2012

	LOCATION CODE	SVMW-09-050			SVMW-09-100			SVMW-09-250			SVMW-09-250			SVMW-09-266			SVMW-10-050			SVMW-10-100			SVMW-10-150			SVMW-10-250			SVMW-11-050			SVMW-11-100		
	SAMPLE NO	VA1035			VA1036			VA1037			VA1038			VA1039			VA1040			VA1041			VA1042			VA1043			VA1044			VA1045		
	SAMPLE DATE	5-Mar-12			5-Mar-12			5-Mar-12			5-Mar-12			5-Mar-12			14-Mar-12			14-Mar-12			14-Mar-12			14-Mar-12			22-Mar-12			22-Mar-12		
	SAMPLE PURPOSE	REG			REG			REG			FD			REG			REG			REG			REG			REG			REG			REG		
	SAMPLE DEPTH	50-53 FT			100-103 FT			250-252 FT			250-253 FT			266-269 FT			50-53 FT			100-103 FT			150-153 FT			250-253 FT			50-53 FT			100-103 FT		
Chemical Class & Analytical Method[a]	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	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
TPH (ug/m3)	C5-C8 ALIPHATIC HYDROCARBONS	2900000	N/A	940000	6.3E+07	N/A	4700000	4800000	N/A	940000	4400000	N/A	940000	1.1E+07	N/A	940000	7.3E+07	N/A	4700000	6E+07	N/A	4700000	4.3E+07	N/A	4700000	1.3E+07	N/A	940000	1.1E+07	N/A	940000	4.7E+07	N/A	4700000
Method MADEP	C9-C10 AROMATIC HYDROCARBONS	ND	U	1100000	ND	U	5300000	ND	U	1100000	ND	U	1100000	ND	U	1100000	ND	U	5300000	ND	U	5300000	ND	U	5300000	ND	U	1100000	ND	U	1100000	ND	U	5300000
APH	C9-C12 ALIPHATIC HYDROCARBONS	ND	U	1500000	ND	U	7600000	ND	U	1500000	ND	U	1500000	ND	U	1500000	ND	U	7600000	ND	U	7600000	ND	U	7600000	ND	U	1500000	ND	U	1500000	ND	U	7600000
VOCs (ppbv)	1,1,1-TRICHLOROETHANE	ND	U	8000	ND	U	40000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	20000
Method TO15	1,1,2,2-TETRACHLOROETHANE	ND	U	8000	ND	U	40000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	20000
	1,1,2-TRICHLOROETHANE	ND	U	8000	ND	U	40000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	20000
	1,1-DICHLOROETHANE	ND	U	8000	ND	U	40000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	20000
	1,1-DICHLOROETHENE	ND	U	8000	ND	U	40000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	20000
	1,2,4-TRICHLOROBENZENE	ND	U	8000	ND	U	40000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	20000
	1,2,4-TRIMETHYLBENZENE	ND	U	8000	ND	U	40000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	20000
	1,2-DIBROMOETHANE	ND	U	8000	ND	U	40000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	20000
	1,2-DICHLOROBENZENE	ND	U	8000	ND	U	40000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	20000
	1,2-DICHLOROETHANE	ND	U	8000	ND	U	40000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	20000
	1,2-DICHLOROPROPANE	ND	U	8000	ND	U	40000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	20000
	1,3,5-TRIMETHYLBENZENE	ND	U	8000	ND	U	40000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	20000
	1,3-DICHLOROBENZENE	ND	U	8000	ND	U	40000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	20000
	1,4-DICHLOROBENZENE	ND	U	8000	ND	U	40000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	20000
	2-BUTANONE	ND	U	8000	ND	U	40000	ND	U	8000	ND	U	8000	ND	U	8000	88000	N/A	20000	170000	N/A	20000	45000	N/A	20000	21000	N/A	8000	22000	N/A	8000	150000	N/A	20000
	2-HEXANONE	ND	U	8000	ND	U	40000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	20000
	4-METHYL-2-PENTANONE	ND	U	8000	ND	U	40000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	20000
	ACETONE	ND	U	8000	ND	U	40000	ND	U	8000	ND	U	8000	ND	U	8000	470000	N/A	20000	720000	N/A	20000	290000	N/A	20000	67000	N/A	8000	110000	N/A	8000	770000	N/A	20000
	BENZENE	54000	N/A	8000	640000	N/A	40000	100000	N/A	8000	82000	N/A	8000	140000	N/A	8000	320000	N/A	20000	400000	N/A	20000	190000	N/A	20000	61000	N/A	8000	60000	N/A	8000	490000	N/A	20000
	BENZENE, (CHLOROMETHYL)-	ND	U	8000	ND	U	40000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	20000
	BROMODICHLOROMETHANE	ND	U	8000	ND	U	40000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	20000
	BROMOFORM	ND	U	8000	ND	U	40000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	20000
	BROMOMETHANE	ND	U	8000	ND	U	40000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	20000
	CARBON DISULFIDE	ND	U	8000	ND	U	40000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	20000
	CARBON TETRACHLORIDE	ND	U	8000	ND	U	40000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	20000
	CHLOROBENZENE	ND	U	8000	ND	U	40000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	20000
	CHLOROETHANE	ND	U	8000	ND	U	40000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	20000
	CHLOROFORM	ND	U	8000	ND	U	40000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	20000
	CHLOROMETHANE	ND	U	8000	ND	U	40000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	20000
	CIS-1,2-DICHLOROETHENE	ND	U	8000	ND	U	40000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	20000
	CIS-1,3-DICHLOROPROPENE	ND	U	8000	ND	U	40000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	20000
	CYCLOHEXANE	200000	N/A	16000	1900000	N/A	80000	330000	N/A	16000	280000	N/A	16000	330000	N/A	16000	3300000	N/A	160000	1900000	N/A	80000	650000	N/A	40000	170000	N/A	16000	390000	N/A	16000	1300000	N/A	80000
	DIBROMOCHLOROMETHANE	ND	U	8000	ND	U	40000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	20000
	DICHLORODIFLUOROMETHANE	ND	U	8000	ND	U	40000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	20000
	ERYTHRENE	ND	U	8000	ND	U	40000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	20000
	ETHYL ACETATE	ND	U	8000	ND	U	40000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	20000
	ETHYLBENZENE	ND	U	16000	ND	U	80000	ND	U	16000	ND	U	16000	ND	U	16000	ND	U	40000	ND	U	40000	ND	U	40000	11000	J	16000	12000	J	16000	22000	J	40000
	FREON 113	ND	U	8000	ND	U	40000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	20000
	HEPTANE	74000	N/A	8000	1000000	N/A	40000	260000	N/A	8000	220000	N/A	8000	220000	N/A	8000	680000	N/A	20000	600000	N/A	20000	400000	N/A	20000	240000	N/A	8000	260000	N/A	8000	790000	N/A	20000
	HEXACHLOROBUTADIENE	ND	U	16000	ND	U	80000	ND	U	16000	ND	U	16000	ND	U	16000	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	16000	ND	U	16000	ND	U	40000
	HEXANE	110000	N/A	16000	2700000	N/A	160000	380000	N/A	16000	320000	N/A	16000	350000	N/A	16000	2600000	N/A	160000	2500000	N/A	160000	830000	N/A	40000	150000	N/A	16000	210000	N/A	16000	1200000	N/A	80000
	M,P-XYLENES	ND	U	16000	ND	U	80000	12000	J	16000	14000	J	16000	12000	J	16000	ND	U	40000	ND	U	40000	ND	U	40000	30000	N/A	16000	25000	N/A	16000	44000	N/A	40000
	METHYL TERT-BUTYL ETHER	ND	U	8000	ND	U	40000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	20000
	METHYLENE CHLORIDE	ND	U	40000	ND	U	200000	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	100000	ND	U	100000	ND	U	100000	ND	U	40000	ND	U	40000	ND	U	100000
	NAPHTHALENE	ND	U	8000	ND	U	40000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	20000
	O-XYLENE	ND	U	8000	ND	U	40000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	8200	N/A	8000	ND	U	8000	ND	U	20000
	PROPYLENE	ND	U	8000	ND	U	40000	12000	N/A	8000	ND	U	8000	12000	N/A	8000	ND	U	20000	26000	N/A	20000	ND	U	20000	10000	N/A	8000	ND	U	8000	ND	U	20000
	STYRENE	ND	U	8000	ND	U	40000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	20000
	TETRACHLOROETHENE	ND	U	8000	ND	U	40000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	20000
	THF	ND	U	8000	ND	U	40000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	20000
	TOLUENE	11000	N/A	8000	440000	N/A	40000	140000	N/A	8000	140000	N/A	8000	160000	N/A	8000	450000	N/A	20000	400000	N/A	20000	240000	N/A	20000	230000	N/A	8000	230000	N/A	8000	720000	N/A	20000
	TRANS-1,2-DICHLOROETHENE	ND	U	8000	ND	U	40000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	20000
	TRANS-1,3-DICHLOROPROPENE	ND	U	8000	ND	U	40000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	20000
	TRICHLOROETHENE	ND	U	8000	ND	U	40000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	20000
	TRICHLOROFLUOROMETHANE	ND	U	8000	ND	U	40000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	20000
	VINYL ACETATE	ND	U	8000	ND	U	40000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	20000
	VINYL CHLORIDE	ND	U	8000	ND	U	40000	ND	U	8000	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	20000
	XYLENES	ND	U	24000	ND	U	120000	12000	J	24000	14000	J	24000	12000	J	24000	ND	U	60000	ND	U	60000	ND	U	60000	38000	N/A	24000	25000	N/A	24000	44000	J	60000
FIXED GASES	CARBON DIOXIDE	0.5	N/A	0.1	9.4	N/A	0.1	1.2	N/A	0.1	1.7	N/A	0.1	1.9	N/A	0.1	3.8	N/A	0.1	0.26	N/A	0.1	1.1	N/A	0.1	1.6	N/A	0.1	3.2	N/A	0.1	0.81	N/A	0.1
Method D2504	CARBON MONOXIDE	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	ND	U	0.1	ND	U	0.1
(Percent)	METHANE	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5
	NITROGEN	78	N/A	0.1	82	N/A	0.1	80	N/A	0.1	82	N/A	0.1	82	N/A	0.1	80	N/A	0.1	78	N/A	0.1	79	N/A	0.1	81	N/A	0.1	79	N/A	0.1	78	N/A	0.1
	OXYGEN	21	N/A	0.1	6.5	N/A	0.1	17	N/A	0.1	16	N/A	0.1	15	N/A	0.1	15	N/A	0.1	21	N/A	0.1	18	N/A	0.1	16	N/A	0.1	17	N/A	0.1	20	N/A	0.1

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

Shading indicates the analyte was detected.

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

J+ = estimated value, concentration is less than PQL but greater than laboratory MDL; biased high.

J- = estimated value, concentration is less than PQL but greater than laboratory MDL; biased low.

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

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

N/A = Not applicable.

ND = Not detected.

NM = Not measured due to sample receipt condition or analyzed on initial sample.

R = Sample data rejected, data unusable

RL = Reporting Limit.

Table 4-2
Soil Vapor Analytical Results
January - March 2012

	LOCATION CODE	SVMW-11-250			SVMW-11-260			SVMW-12-150			SVMW-12-250			SVMW-12-250			SVMW-12-350			SVMW-12-450			SVMW-13-150			SVMW-13-250			SVMW-13-350			SVMW-13-450		
	SAMPLE NO	VA1046			VA1047			VA1048			VA1049			VA1050			VA1051			VA1052			VA1053			VA1054			VA1055			VA1056		
	SAMPLE DATE	22-Mar-12			22-Mar-12			5-Mar-12			5-Mar-12			5-Mar-12			5-Mar-12			5-Mar-12			22-Mar-12			22-Mar-12			22-Mar-12			22-Mar-12		
	SAMPLE PURPOSE	REG			REG			REG			REG			FD			REG			REG			REG			REG			REG			REG		
	SAMPLE DEPTH	250-253 FT			260-263 FT			150-153 FT			250-253 FT			250-253 FT			350-353 FT			450-453 FT			150-153 FT			250-253 FT			350-353 FT			450-453 FT		
Chemical Class & Analytical Method[a]	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	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL	Result	VAL QUAL	RL
TPH (ug/m3)	C5-C8 ALIPHATIC HYDROCARBONS	3.4E+07	N/A	4700000	4.2E+07	N/A	4700000	490000	N/A	94000	270000	N/A	47000	450000	N/A	94000	390000	N/A	47000	560000	N/A	94000	5000000	N/A	940000	780000	N/A	94000	1100000	N/A	94000	2400000	N/A	940000
Method MADEP	C9-C10 AROMATIC HYDROCARBONS	ND	U	5300000	ND	U	5300000	ND	U	110000	ND	U	53000	ND	U	110000	ND	U	53000	ND	U	110000	ND	U	1100000	ND	U	110000	ND	U	110000	ND	U	1100000
APH	C9-C12 ALIPHATIC HYDROCARBONS	ND	U	7600000	ND	U	7600000	45000	J	150000	14000	J	76000	ND	U	150000	40000	J	76000	ND	U	150000	ND	U	1500000	62000	J	150000	46000	J	150000	ND	U	1500000
VOCs (ppbv)	1,1,1-TRICHLOROETHANE	ND	U	8000	ND	U	8000	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800
Method TO15	1,1,2,2-TETRACHLOROETHANE	ND	U	8000	ND	U	8000	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800
	1,1,2-TRICHLOROETHANE	ND	U	8000	ND	U	8000	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800
	1,1-DICHLOROETHANE	ND	U	8000	ND	U	8000	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800
	1,1-DICHLOROETHENE	ND	U	8000	ND	U	8000	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800
	1,2,4-TRICHLOROBENZENE	ND	U	8000	ND	U	8000	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	UJ	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800
	1,2,4-TRIMETHYLBENZENE	ND	U	8000	ND	U	8000	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800
	1,2-DIBROMOETHANE	ND	U	8000	ND	U	8000	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800
	1,2-DICHLOROBENZENE	ND	U	8000	ND	U	8000	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800
	1,2-DICHLOROETHANE	ND	U	8000	ND	U	8000	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800
	1,2-DICHLOROPROPANE	ND	U	8000	ND	U	8000	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800
	1,3,5-TRIMETHYLBENZENE	ND	U	8000	ND	U	8000	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800
	1,3-DICHLOROBENZENE	ND	U	8000	ND	U	8000	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800
	1,4-DICHLOROBENZENE	ND	U	8000	ND	U	8000	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800
	2-BUTANONE	200000	N/A	8000	230000	N/A	8000	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800
	2-HEXANONE	ND	U	8000	ND	U	8000	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800
	4-METHYL-2-PENTANONE	ND	U	8000	ND	U	8000	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800
	ACETONE	1100000	N/A	40000	890000	N/A	40000	ND	U	800	640	N/A	400	990	N/A	800	ND	U	800	ND	U	800	ND	U	8000	1500	N/A	800	1600	N/A	800	1700	N/A	800
	BENZENE	170000	N/A	8000	320000	N/A	8000	10000	N/A	800	3100	N/A	400	4700	N/A	800	4100	N/A	800	3600	N/A	800	38000	N/A	8000	8200	N/A	800	7700	N/A	800	27000	N/A	800
	BENZENE, (CHLOROMETHYL)-	ND	U	8000	ND	U	8000	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800
	BROMODICHLOROMETHANE	ND	U	8000	ND	U	8000	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800
	BROMOFORM	ND	U	8000	ND	U	8000	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800
	BROMOMETHANE	ND	U	8000	ND	U	8000	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800
	CARBON DISULFIDE	ND	U	8000	ND	U	8000	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800
	CARBON TETRACHLORIDE	ND	U	8000	ND	U	8000	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800
	CHLOROBENZENE	ND	U	8000	ND	U	8000	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800
	CHLOROETHANE	ND	U	8000	ND	U	8000	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800
	CHLOROFORM	ND	U	8000	ND	U	8000	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800
	CHLOROMETHANE	ND	U	8000	ND	U	8000	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800
	CIS-1,2-DICHLOROETHENE	ND	U	8000	ND	U	8000	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800
	CIS-1,3-DICHLOROPROPENE	ND	U	8000	ND	U	8000	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800
	CYCLOHEXANE	1100000	N/A	80000	1700000	N/A	80000	12000	N/A	1600	3800	N/A	800	6600	N/A	1600	5600	N/A	1600	5800	N/A	1600	190000	N/A	16000	20000	N/A	1600	23000	N/A	1600	32000	N/A	1600
	DIBROMOCHLOROMETHANE	ND	U	8000	ND	U	8000	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800
	DICHLORODIFLUOROMETHANE	ND	U	8000	ND	U	8000	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800
	ERYTHRENE	ND	U	8000	ND	U	8000	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800
	ETHYL ACETATE	ND	U	8000	ND	U	8000	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800
	ETHYLBENZENE	23000	N/A	16000	27000	N/A	16000	2900	N/A	1600	440	J	800	900	J	1600	1100	J	1600	1200	J	1600	ND	U	16000	2400	N/A	1600	2200	N/A	1600	2400	N/A	1600
	FREON 113	ND	U	8000	ND	U	8000	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800
	HEPTANE	1400000	N/A	40000	1300000	N/A	40000	11000	N/A	800	3600	N/A	400	5000	N/A	800	4500	N/A	800	4300	N/A	800	41000	N/A	8000	16000	N/A	800	16000	N/A	800	17000	N/A	800
	HEXACHLOROBUTADIENE	ND	U	16000	ND	U	16000	ND	U	1600	ND	U	800	ND	U	1600	ND	U	1600	ND	U	1600	ND	U	16000	ND	U	1600	ND	U	1600	ND	U	1600
	HEXANE	330000	N/A	16000	720000	N/A	80000	7100	N/A	1600	2500	N/A	800	3800	N/A	1600	3300	N/A	1600	2500	N/A	1600	110000	N/A	16000	12000	N/A	1600	13000	N/A	1600	21000	N/A	1600
	M,P-XYLENES	54000	N/A	16000	73000	N/A	16000	6800	N/A	1600	1100	N/A	800	2100	N/A	1600	2600	N/A	1600	2800	N/A	1600	ND	U	16000	6400	N/A	1600	5600	N/A	1600	6500	N/A	1600
	METHYL TERT-BUTYL ETHER	ND	U	8000	ND	U	8000	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800
	METHYLENE CHLORIDE	ND	U	40000	ND	U	40000	ND	U	4000	ND	U	2000	ND	U	4000	ND	U	4000	ND	U	4000	ND	U	40000	ND	U	4000	ND	U	4000	ND	U	4000
	NAPHTHALENE	ND	U	8000	ND	U	8000	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	UJ	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800
	O-XYLENE	14000	N/A	8000	19000	N/A	8000	1900	N/A	800	ND	U	400	ND	U	800	ND	U	800	880	N/A	800	ND	U	8000	1900	N/A	800	1600	N/A	800	1900	N/A	800
	PROPYLENE	12000	N/A	8000	18000	N/A	8000	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	1200	N/A	800
	STYRENE	ND	U	8000	ND	U	8000	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800
	TETRACHLOROETHENE	ND	U	8000	ND	U	8000	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800
	THF	ND	U	8000	ND	U	8000	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800
	TOLUENE	710000	N/A	40000	630000	N/A	40000	30000	N/A	800	6500	N/A	400	14000	N/A	800	14000	N/A	800	12000	N/A	800	39000	N/A	8000	26000	N/A	800	23000	N/A	800	27000	N/A	800
	TRANS-1,2-DICHLOROETHENE	ND	U	8000	ND	U	8000	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800
	TRANS-1,3-DICHLOROPROPENE	ND	U	8000	ND	U	8000	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800
	TRICHLOROETHENE	ND	U	8000	ND	U	8000	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800
	TRICHLOROFLUOROMETHANE	ND	U	8000	ND	U	8000	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800
	VINYL ACETATE	ND	U	8000	ND	U	8000	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800
	VINYL CHLORIDE	ND	U	8000	ND	U	8000	ND	U	800	ND	U	400	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800
	XYLENES	68000	N/A	24000	92000	N/A	24000	8700	N/A	2400	1100	J	1200	2100	J	2400	2600	N/A	2400	3700	N/A	2400	ND	U	24000	8200	N/A	2400	7200	N/A	2400	8400	N/A	2400
FIXED GASES	CARBON DIOXIDE	7.6	N/A	0.1	2.5	N/A	0.1	0.14	N/A	0.1	0.17	N/A	0.1	0.16	N/A	0.1	0.46	N/A	0.1	0.2	N/A	0.1	0.049	J	0.1	0.35	N/A	0.1	0.16	N/A	0.1	0.28	N/A	0.1
Method D2504	CARBON MONOXIDE	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	ND	U	0.1	ND	U	0.1
(Percent)	METHANE	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5
	NITROGEN	84	N/A	0.1	79	N/A	0.1	79	N/A	0.1	78	N/A	0.1	78	N/A	0.1	78	N/A	0.1	78	N/A	0.1	78	N/A	0.1	80	N/A	0.1	78	N/A	0.1	79	N/A	0.1
	OXYGEN	6.6	N/A	0.1	17	N/A	0.1	20	N/A	0.1	20	N/A	0.1	20	N/A	0.1	19	N/A	0.1	20	N/A	0.1	21	N/A	0.1	19	N/A	0.1	21	N/A	0.1	20	N/A	0.1

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

Shading indicates the analyte was detected.

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

J+ = estimated value, concentration is less than PQL but greater than laboratory MDL; biased high.

J- = estimated value, concentration is less than PQL but greater than laboratory MDL; biased low.

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

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

N/A = Not applicable.

ND = Not detected.

NM = Not measured due to sample receipt condition or analyzed on initial sample.

R = Sample data rejected, data unusable

RL = Reporting Limit.

Table 4-2
Soil Vapor Analytical Results
January - March 2012

	LOCATION CODE	SVMW-14-150			SVMW-14-250			SVMW-14-350			SVMW-14-450			SVMW-14-450			SVMW-15-150			SVMW-15-250			SVMW-15-350			SVMW-15-450		
	SAMPLE NO	VA1057			VA1058			VA1059			VA1060			VA1061			VA1062			VA1063			VA1064			VA1065		
	SAMPLE DATE	6-Mar-12			6-Mar-12			6-Mar-12			6-Mar-12			6-Mar-12			12-Jan-12			12-Jan-12			12-Jan-12			12-Jan-12		
	SAMPLE PURPOSE	REG			REG			REG			REG			FD			REG			REG			REG			REG		
	SAMPLE DEPTH	150-153 FT			250-253 FT			350-353 FT			450-453 FT			450-453 FT			150-153 Ft			250-253 Ft			350-353 Ft			450-453 Ft		
Chemical Class & Analytical Method[a]	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	Result	VAL QUAL	RL	Result	VAL QUAL	RL
TPH (ug/m3)	C5-C8 ALIPHATIC HYDROCARBONS	87000	N/A	23000	13000	N/A	4700	18000	N/A	4700	79000	N/A	23000	19000	N/A	4700	2800	N/A	940	200000	N/A	47000	2.4E+07	N/A	2300000	2E+07	N/A	2300000
Method MADEP	C9-C10 AROMATIC HYDROCARBONS	ND	U	27000	ND	U	5300	ND	U	5300	ND	U	27000	ND	U	5300	ND	U	1100	ND	U	53000	ND	U	2700000	ND	U	2700000
APH	C9-C12 ALIPHATIC HYDROCARBONS	29000	J	38000	ND	U	7600	1200	J	7600	ND	U	38000	ND	U	7600	ND	U	1500	ND	U	76000	ND	U	3800000	ND	U	3800000
VOCs (ppbv)	1,1,1-TRICHLOROETHANE	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	40	ND	U	8	ND	U	400	ND	U	8000	ND	U	8000
Method TO15	1,1,2,2-TETRACHLOROETHANE	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	40	ND	U	8	ND	U	400	ND	U	8000	ND	U	8000
	1,1,2-TRICHLOROETHANE	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	40	ND	U	8	ND	U	400	ND	U	8000	ND	U	8000
	1,1-DICHLOROETHANE	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	40	ND	U	8	ND	U	400	ND	U	8000	ND	U	8000
	1,1-DICHLOROETHENE	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	40	ND	U	8	ND	U	400	ND	U	8000	ND	U	8000
	1,2,4-TRICHLOROBENZENE	ND	UJ	400	ND	UJ	40	ND	UJ	400	ND	UJ	400	ND	UJ	40	ND	U	8	ND	U	400	ND	U	8000	ND	U	8000
	1,2,4-TRIMETHYLBENZENE	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	40	ND	U	8	ND	U	400	ND	U	8000	ND	U	8000
	1,2-DIBROMOETHANE	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	40	ND	U	8	ND	U	400	ND	U	8000	ND	U	8000
	1,2-DICHLOROBENZENE	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	40	ND	U	8	ND	U	400	ND	U	8000	ND	U	8000
	1,2-DICHLOROETHANE	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	40	ND	U	8	ND	U	400	ND	U	8000	ND	U	8000
	1,2-DICHLOROPROPANE	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	40	ND	U	8	ND	U	400	ND	U	8000	ND	U	8000
	1,3,5-TRIMETHYLBENZENE	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	40	ND	U	8	ND	U	400	ND	U	8000	ND	U	8000
	1,3-DICHLOROBENZENE	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	40	ND	U	8	ND	U	400	ND	U	8000	ND	U	8000
	1,4-DICHLOROBENZENE	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	40	ND	U	8	ND	U	400	ND	U	8000	ND	U	8000
	2-BUTANONE	ND	U	400	ND	U	40	ND	U	400	400	N/A	400	ND	U	40	ND	U	8	ND	U	400	ND	U	8000	ND	U	8000
	2-HEXANONE	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	40	ND	U	8	ND	U	400	ND	U	8000	ND	U	8000
	4-METHYL-2-PENTANONE	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	40	ND	U	8	ND	U	400	ND	U	8000	ND	U	8000
	ACETONE	480	N/A	400	ND	U	40	480	N/A	400	720	N/A	400	ND	U	40	ND	U	8	910	N/A	400	ND	U	8000	ND	U	8000
	BENZENE	1400	N/A	400	250	N/A	40	1100	N/A	400	1900	N/A	400	260	N/A	40	78	N/A	8	1800	N/A	400	200000	N/A	8000	11000	N/A	8000
	BENZENE, (CHLOROMETHYL)-	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	40	ND	U	8	ND	U	400	ND	U	8000	ND	U	8000
	BROMODICHLOROMETHANE	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	40	ND	U	8	ND	U	400	ND	U	8000	ND	U	8000
	BROMOFORM	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	40	ND	U	8	ND	U	400	ND	U	8000	ND	U	8000
	BROMOMETHANE	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	40	ND	U	8	ND	U	400	ND	U	8000	ND	U	8000
	CARBON DISULFIDE	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	40	ND	U	8	ND	U	400	ND	U	8000	ND	U	8000
	CARBON TETRACHLORIDE	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	40	ND	U	8	ND	U	400	ND	U	8000	ND	U	8000
	CHLOROBENZENE	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	40	ND	U	8	ND	U	400	ND	U	8000	ND	U	8000
	CHLOROETHANE	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	40	ND	U	8	ND	U	400	ND	U	8000	ND	U	8000
	CHLOROFORM	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	40	ND	U	8	ND	U	400	ND	U	8000	ND	U	8000
	CHLOROMETHANE	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	40	ND	U	8	ND	U	400	ND	U	8000	ND	U	8000
	CIS-1,2-DICHLOROETHENE	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	40	ND	U	8	ND	U	400	ND	U	8000	ND	U	8000
	CIS-1,3-DICHLOROPROPENE	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	40	ND	U	8	ND	U	400	ND	U	8000	ND	U	8000
	CYCLOHEXANE	1400	N/A	800	260	N/A	80	1100	N/A	800	1900	N/A	800	290	N/A	80	87	N/A	16	2400	N/A	800	610000	N/A	40000	37000	N/A	16000
	DIBROMOCHLOROMETHANE	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	40	ND	U	8	ND	U	400	ND	U	8000	ND	U	8000
	DICHLORODIFLUOROMETHANE	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	40	ND	U	8	ND	U	400	ND	U	8000	ND	U	8000
	ERYTHRENE	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	40	ND	U	8	ND	U	400	ND	U	8000	ND	U	8000
	ETHYL ACETATE	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	40	ND	U	8	ND	U	400	ND	U	8000	ND	U	8000
	ETHYLBENZENE	970	N/A	800	69	J	80	ND	U	800	420	J	800	71	J	80	ND	U	16	ND	U	800	ND	U	16000	ND	U	16000
	FREON 113	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	40	ND	U	8	ND	U	400	ND	U	8000	ND	U	8000
	HEPTANE	1600	N/A	400	250	N/A	40	1600	N/A	400	2700	N/A	400	290	N/A	40	44	N/A	8	ND	U	400	290000	N/A	8000	24000	N/A	8000
	HEXACHLOROBUTADIENE	ND	U	800	ND	U	80	ND	U	800	ND	U	800	ND	U	80	ND	U	16	ND	U	800	ND	U	16000	ND	U	16000
	HEXANE	660	J	800	ND	U	80	990	N/A	800	2000	N/A	800	ND	U	80	83	N/A	16	1400	N/A	800	580000	N/A	40000	41000	N/A	16000
	M,P-XYLENES	2400	N/A	800	170	N/A	80	920	N/A	800	1000	N/A	800	170	N/A	80	16	N/A	16	ND	U	800	ND	U	16000	ND	U	16000
	METHYL TERT-BUTYL ETHER	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	40	ND	U	8	ND	U	400	ND	U	8000	ND	U	8000
	METHYLENE CHLORIDE	ND	U	2000	ND	U	200	ND	U	2000	ND	U	2000	ND	U	200	ND	U	40	ND	U	2000	ND	U	40000	48000	N/A	40000
	NAPHTHALENE	ND	UJ	400	ND	UJ	40	ND	UJ	400	ND	UJ	400	ND	UJ	40	ND	U	8	ND	U	400	ND	U	8000	ND	U	8000
	O-XYLENE	760	N/A	400	54	N/A	40	ND	U	400	ND	U	400	54	N/A	40	ND	U	8	ND	U	400	ND	U	8000	ND	U	8000
	PROPYLENE	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	40	15	N/A	8	ND	U	400	21000	N/A	8000	ND	U	8000
	STYRENE	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	40	ND	U	8	ND	U	400	ND	U	8000	ND	U	8000
	TETRACHLOROETHENE	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	40	ND	U	8	ND	U	400	ND	U	8000	ND	U	8000
	THF	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	40	ND	U	8	ND	U	400	ND	U	8000	ND	U	8000
	TOLUENE	7300	N/A	400	730	N/A	40	3700	N/A	400	6100	N/A	400	800	N/A	40	120	N/A	8	2000	N/A	400	120000	N/A	8000	9500	N/A	8000
	TRANS-1,2-DICHLOROETHENE	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	40	ND	U	8	ND	U	400	ND	U	8000	ND	U	8000
	TRANS-1,3-DICHLOROPROPENE	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	40	ND	U	8	ND	U	400	ND	U	8000	ND	U	8000
	TRICHLOROETHENE	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	40	ND	U	8	ND	U	400	ND	U	8000	ND	U	8000
	TRICHLOROFLUOROMETHANE	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	40	ND	U	8	ND	U	400	ND	U	8000	ND	U	8000
	VINYL ACETATE	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	40	ND	U	8	ND	U	400	ND	U	8000	ND	U	8000
	VINYL CHLORIDE	ND	U	400	ND	U	40	ND	U	400	ND	U	400	ND	U	40	ND	U	8	ND	U	400	ND	U	8000	ND	U	8000
	XYLENES	3100	N/A	1200	230	N/A	120	920	J	1200	1000	J	1200	220	N/A	120	16	J	24	ND	U	1200	ND	U	24000	ND	U	24000
FIXED GASES	CARBON DIOXIDE	0.11	N/A	0.1	0.12	N/A	0.1	0.11	N/A	0.1	0.65	N/A	0.1	0.65	N/A	0.1	0.092	J	0.1	0.49	N/A	0.1	0.79	N/A	0.1	0.87	N/A	0.1
Method D2504	CARBON MONOXIDE	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
(Percent)	METHANE	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5	ND	U	0.5
	NITROGEN	78	N/A	0.1	78	N/A	0.1	79	N/A	0.1	80	N/A	0.1	80	N/A	0.1	79	N/A	0.1	80	N/A	0.1	80	N/A	0.1	77	N/A	0.1
	OXYGEN	21	N/A	0.1	20	N/A	0.1	21	N/A	0.1	18	N/A	0.1	18	N/A	0.1	21	N/A	0.1	18	N/A	0.1	16	N/A	0.1	18	N/A	0.1

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

Shading indicates the analyte was detected.

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

J+ = estimated value, concentration is less than PQL but greater than laboratory MDL; biased high.

J- = estimated value, concentration is less than PQL but greater than laboratory MDL; biased low.

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

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

N/A = Not applicable.

ND = Not detected.

NM = Not measured due to sample receipt condition or analyzed on initial sample.

R = Sample data rejected, data unusable

RL = Reporting Limit.

THIS PAGE INTENTIONALLY LEFT BLANK

Table 4-3
Vapor Constituent of Concern Screening Analysis

Parameter (Constituent)	CAS Number	Number of Non-Detections	Number of Detections	Total Samples	Frequency of Detection (FOD)	Maximum Detected Concentration (µg/L)	COC (FOD > 10%)
1,1,1-trichloroethane	71-55-6	293		293	0%		No
1,1,2,2-tetrachloroethane	79-34-5	583	1	584	0%	6.9	No
1,1,2-trichloro-1,2,2-trifluoroethane	76-13-1	567	17	584	3%	77	No
1,1,2-trichloroethane	79-00-5	584		584	0%		No
1,1-dichloroethane	75-34-3	584		584	0%		No
1,1-dichloroethene	75-35-4	582	2	584	0%	5.6	No
1,2,4-trichlorobenzene	120-82-1	584		584	0%		No
1,2,4-trimethylbenzene	95-63-6	470	114	584	20%	10000	**Yes**
1,2-dibromoethane (edb)	106-93-4	574	10	584	2%	1800	No
1,2-dichloro-1,1,2,2-tetrafluoroethane	76-14-2	2		2	0%		No
1,2-dichlorobenzene	95-50-1	583	1	584	0%	4.03	No
1,2-dichloroethane (edc)	107-06-2	583	1	584	0%	54	No
1,2-dichloropropane	78-87-5	584		584	0%		No
1,3,5-trimethylbenzene	108-67-8	510	74	584	13%	4900	**Yes**
1,3-butadiene	106-99-0	557	25	582	4%	16000	No
1,3-dichlorobenzene	541-73-1	583	1	584	0%	4.12	No
1,4-dichlorobenzene	106-46-7	583	1	584	0%	4.69	No
1,4-dioxane (p-dioxane)	123-91-1	289		289	0%		No
1-bromo-4-fluorobenzene (4-bromofluorobenzene)	460-00-4		2	2	100%	107	No
2-butanone (mek)	78-93-3	428	156	584	27%	330000	**Yes**
2-hexanone	591-78-6	568	14	582	2%	22	No
4-methyl-2-pentanone	108-10-1	576	6	582	1%	2300	No
acetone	67-64-1	294	290	584	50%	1800000	**Yes**
benzene	71-43-2	69	515	584	88%	2100000	**Yes**
benzyl chloride	100-44-7	582		582	0%		No
bromodichloromethane	75-27-4	575	7	582	1%	170	No
bromoform	75-25-2	582		582	0%		No

Table 4-3
Vapor Constituent of Concern Screening Analysis

Parameter (Constituent)	CAS Number	Number of Non-Detections	Number of Detections	Total Samples	Frequency of Detection (FOD)	Maximum Detected Concentration (µg/L)	COC (FOD > 10%)
bromomethane	74-83-9	580	4	584	1%	840	No
C5-C8 Aliphatic Hydrocarbons	ALI-05-08H	21	1043	1064	98%	140000000	**Yes**
C9-C10 Aromatic Hydrocarbons	ARO-09-10H	939	123	1062	12%	860000	**Yes**
C9-C12 Aliphatic Hydrocarbons	ALI-09-12H	498	564	1062	53%	3600000	**Yes**
carbon disulfide	75-15-0	561	21	582	4%	3.7	No
carbon monoxide	630-08-0	633	21	654	3%	0.64	No
carbon tetrachloride	56-23-5	559	25	584	4%	400	No
chlorobenzene	108-90-7	584		584	0%		No
chloroethane	75-00-3	584		584	0%		No
chloroform	67-66-3	560	24	584	4%	1400	No
chloromethane	74-87-3	575	9	584	2%	1100	No
cis-1,2-dichloroethene	156-59-2	584		584	0%		No
cis-1,3-dichloropropene	10061-01-5	584		584	0%		No
Cyclohexane	110-82-7	38	544	582	93%	4700000	**Yes**
dibromochloromethane	124-48-1	581	1	582	0%	23	No
dichlorodifluoromethane	75-71-8	581	3	584	1%	310	No
ethanol	64-17-5	261	28	289	10%	45000	No
Ethyl acetate	141-78-6	578	4	582	1%	2400	No
ethylbenzene	100-41-4	320	264	584	45%	110000	**Yes**
Gasoline Range Organics (GRO)	TPH-C610	1	1	2	50%	4630	No
Heptane	25339-56-4	78	504	582	87%	2900000	**Yes**
hexachlorobutadiene	87-68-3	584		584	0%		No
Hydrocarbons C12-C28	TPH-12-28	1	3	4	75%	22000	No
isopropanol	67-63-0	247	42	289	15%	160000	**Yes**
m,p-xylene (sum of isomers)	108-38-3/1	1	1	2	50%	1460	No
m,p-xylenes	136777-61-2	145	437	582	75%	260000	**Yes**
methane	74-82-8	649	5	654	1%	0.033	No
methyl tert-butyl ether (mtbe)	1634-04-4	584		584	0%		No

Table 4-3
Vapor Constituent of Concern Screening Analysis

Parameter (Constituent)	CAS Number	Number of Non-Detections	Number of Detections	Total Samples	Frequency of Detection (FOD)	Maximum Detected Concentration (µg/L)	COC (FOD > 10%)
methylene chloride	75-09-2	358	226	584	39%	86000	Yes
naphthalene	91-20-3	513	1	514	0%	42	No
n-hexane	110-54-3	64	518	582	89%	5700000	Yes
p-Ethyltoluene	622-96-8	64	4	68	6%	480	No
Propene	#NA	26	36	62	58%	250000	Yes
Propylene	115-07-1	357	163	520	31%	1200000	Yes
styrene	100-42-5	580	4	584	1%	77	No
tetrachloroethene	127-18-4	581	3	584	1%	66	No
tetrahydrofuran	109-99-9	568	14	582	2%	310000	No
toluene	108-88-3	44	540	584	92%	1900000	Yes
toluene-d8	2037-26-5		2	2	100%	100	No
trans-1,2-dichloroethene	156-60-5	582		582	0%		No
trans-1,3-dichloropropene	10061-02-6	584		584	0%		No
trichloroethane	71-55-6	291		291	0%		No
trichloroethene	79-01-6	572	12	584	2%	31	No
trichlorofluoromethane	75-69-4	580	4	584	1%	130	No
Vinyl acetate	108-05-4	582		582	0%		No
vinyl chloride	75-01-4	584		584	0%		No
xylene, o-	95-47-6	328	256	584	44%	96000	Yes
xylenes, total	1330-20-7	131	383	514	75%	140000	Yes

Note: Parameters were not considered for COC screening if there were less than 20 samples.

COC - Constituent of concern

#NA - Not applicable.

THIS PAGE INTENTIONALLY LEFT BLANK

Table 4-4
Vapor Constituent of Concern Summary

Parameter (Constituent)	CAS Number	Number of Non-Detections	Number of Detections	Total Samples	Frequency of Detection (FOD)	Maximum Detected Concentration (µg/L)	COC (FOD > 10%)
1,2,4-trimethylbenzene	95-63-6	470	114	584	20%	10,000	Yes
1,3,5-trimethylbenzene	108-67-8	510	74	584	13%	4,900	Yes
2-butanone (mek)	78-93-3	428	156	584	27%	330,000	Yes
acetone	67-64-1	294	290	584	50%	1,800,000	Yes
benzene	71-43-2	69	515	584	88%	2,100,000	Yes
C5-C8 Aliphatic Hydrocarbons	ALI-05-08H	21	1043	1,064	98%	140,000,000	Yes
C9-C10 Aromatic Hydrocarbons	ARO-09-10H	939	123	1,062	12%	860,000	Yes
C9-C12 Aliphatic Hydrocarbons	ALI-09-12H	498	564	1,062	53%	3,600,000	Yes
Cyclohexane	110-82-7	38	544	582	93%	4,700,000	Yes
ethylbenzene	100-41-4	320	264	584	45%	110,000	Yes
Heptane	25339-56-4	78	504	582	87%	2,900,000	Yes
isopropanol	67-63-0	247	42	289	15%	160,000	Yes
m,p-xylenes	136777-61-2	145	437	582	75%	260,000	Yes
methylene chloride	75-09-2	358	226	584	39%	86,000	Yes
n-hexane	110-54-3	64	518	582	89%	5,700,000	Yes
Propene	#NA	26	36	62	58%	250,000	Yes
Propylene	115-07-1	357	163	520	31%	1,200,000	Yes
toluene	108-88-3	44	540	584	92%	1,900,000	Yes
xylene, o-	95-47-6	328	256	584	44%	96,000	Yes
xylenes, total (in-lieu of m,p,o-xylenes)	1330-20-7	131	383	514	75%	140,000	Yes

Note: Parameters were not considered for COC screening if there were less than 20 samples.

COC - Constituent of concern

#NA - Not applicable.

THIS PAGE INTENTIONALLY LEFT BLANK

Table 5-1
Groundwater Analytical Results
January - March 2012

				LOCATION CODE	KAFB-3			KAFB-15			KAFB-16			KAFB-1061			KAFB-1062			KAFB-1063			KAFB-1064			KAFB-1065		
				SAMPLE NO	GW0376			GW0377			GW0378			GW0382			GW0383			GW0489			GW0486			GW0384		
				SAMPLE DATE	23-Jan-12			23-Jan-12			23-Jan-12			1-Feb-12			22-Mar-12			6-Feb-12			29-Feb-12			1-Mar-12		
				SAMPLE PURPOSE	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		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[b]	NMED Approved Background[c]	EPA MCLs[b,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
TPH (µg/L) Method 8015B	DIESEL RANGE ORGANICS	N/A	N/A	N/A	ND	UJ	96.2	ND	UJ	100	ND	UJ	98	ND	U	105	ND	U	96.2	ND	U	94.3	ND	U	100	34100	N/A	4900
	GASOLINE RANGE ORGANICS	N/A	N/A	N/A	ND	U	150	ND	U	150	ND	U	150	151	N/A	150	ND	U	150	ND	U	150	78.8	J	150	12400	N/A	3000
VOCs (µg/L) Method 8260B	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	20
	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	20
	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	20
	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	20
	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	20
	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	20
	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	20
	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	20
	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	40
	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	20
	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	166	N/A	20
	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	40
	1,2-DIBROMOETHANE	0.1	N/A	0.05	ND	U	1	ND	U	1	ND	U	1	0.997	J	1	ND	U	1	ND	U	1	ND	U	1	13	J	20
	1,2-DIBROMOETHANE (Method 8011)	0.1	N/A	0.05	ND	U	0.0283	ND	U	0.0281	ND	U	0.0284	0.888	N/A	0.0283	ND	U	0.0281	ND	U	0.0281	ND	U	0.0279	15	N/A	0.711
	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	20
	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	20
	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	20
	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	68.8	N/A	20
	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	20
	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	20
	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	20
	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	UJ	20
	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	73.8	J	200
	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	20
	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	100
	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	20
	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	100
	ACETONE	N/A	N/A	N/A	ND	U	10	ND	U	10	ND	U	10	ND	U	10	ND	UJ	10	ND	U	10	ND	UJ	10	177	J-	200
	BENZENE	10	N/A	5	ND	U	1	ND	U	1	ND	U	1	28.3	N/A	1	ND	U	1	ND	U	1	ND	U	1	1050	N/A	20
	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	20
	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	20
	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	20
	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	20
	BROMOMETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	UJ	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	40
	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	39.6	N/A	20
	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	20
	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	20
	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	40
	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	20
	CHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	UJ	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	20
	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	20
	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	20
	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	20
	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	20
	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	40
	ETHYLBENZENE	750	N/A	700	ND	U	1	ND	U	1	ND	U	1	0.61	J	1	ND	U	1	ND	U	1	ND	U	1	227	N/A	20
	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	20
	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	24.8	N/A	20
	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	ND	U	1	ND	U	20
	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	40
	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	122	N/A	20
	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	19.8	J	20
	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	24.8	N/A	20
	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	9.2	J	20
	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	14.4	J	20
	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	20
	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	20
	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	20
	TOLUENE	750	N/A	750	ND	U	1	ND	U	1	ND	U	1	8.02	N/A	1	ND	U	1	ND	U	1	ND	U	1	2110	N/A	20
	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	20
	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	20
	TRICHLOROETHENE	N/A	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	0.33	J	1	ND	U	20
	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	40
	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	20
	XYLENES	620	N/A	10000	ND	U	3	ND	U	3	ND	U	3	4.13	N/A	3	ND	U	3	ND	U	3	ND	U	3	776	N/A	60

Table 5-1
Groundwater Analytical Results
January - March 2012

			LOCATION CODE		KAFB-3			KAFB-15			KAFB-16			KAFB-1061			KAFB-1062			KAFB-1063			KAFB-1064			KAFB-1065		
			SAMPLE NO		GW0376			GW0377			GW0378			GW0382			GW0383			GW0489			GW0486			GW0384		
			SAMPLE DATE		23-Jan-12			23-Jan-12			23-Jan-12			1-Feb-12			22-Mar-12			6-Feb-12			29-Feb-12			1-Mar-12		
			SAMPLE PURPOSE		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		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[b]	NMED Approved Background[c]	EPA MCLs[b,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
SVOCs (µg/L) Method 8270C	1,1-BIPHENYL	N/A	N/A	N/A	ND	U	4.9	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	98
	1,2-DIPHENYLHYDRAZINE	N/A	N/A	N/A	ND	U	4.9	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	98
	2,4,5-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	5	ND	UJ	5	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	98
	2,4,6-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	5	ND	UJ	5	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	98
	2,4-DICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	5	ND	UJ	5	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	98
	2,4-DIMETHYLPHENOL	N/A	N/A	N/A	ND	U	19.6	ND	U	20	ND	UJ	20	ND	U	19.6	ND	U	19.6	ND	U	19.6	ND	U	19.6	254	J	392
	2,4-DINITROPHENOL	N/A	N/A	N/A	ND	U	49	ND	U	50	ND	UJ	50	ND	U	49	ND	U	49	ND	U	49	ND	U	49	ND	U	980
	2,4-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.9	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	98
	2,6-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.9	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	98
	2-CHLORONAPHTHALENE	N/A	N/A	N/A	ND	U	4.9	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	98
	2-CHLOROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	5	ND	UJ	5	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	98
	2-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	5	ND	UJ	5	ND	UJ	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.9	174	N/A	98
	2-NITROANILINE	N/A	N/A	N/A	ND	U	19.6	ND	U	20	ND	U	20	ND	U	19.6	ND	U	19.6	ND	U	19.6	ND	U	19.6	ND	U	392
	2-NITROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	5	ND	UJ	5	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	98
	3,3'-DICHLOROBENZIDINE	N/A	N/A	N/A	ND	U	4.9	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	98
	3-METHYLPHENOL AND 4-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	5	ND	UJ	5	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.9	137	N/A	98
	3-NITROANILINE	N/A	N/A	N/A	ND	U	19.6	ND	U	20	ND	U	20	ND	U	19.6	ND	U	19.6	ND	U	19.6	ND	U	19.6	ND	U	392
	4,6-DINITRO-2-METHYLPHENOL	N/A	N/A	N/A	ND	U	19.6	ND	U	20	ND	UJ	20	ND	U	19.6	ND	U	19.6	ND	U	19.6	ND	U	19.6	ND	U	392
	4-BROMOPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.9	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	98
	4-CHLORO-3-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	5	ND	UJ	5	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	98
	4-CHLOROANILINE	N/A	N/A	N/A	ND	U	4.9	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	98
	4-CHLOROPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.9	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	98
	4-NITROANILINE	N/A	N/A	N/A	ND	U	19.6	ND	U	20	ND	U	20	ND	U	19.6	ND	U	19.6	ND	U	19.6	ND	U	19.6	ND	U	392
	4-NITROPHENOL	N/A	N/A	N/A	ND	U	19.6	ND	U	20	ND	UJ	20	ND	U	19.6	ND	U	19.6	ND	U	19.6	ND	UJ	19.6	ND	U	392
	ACETOPHENONE	N/A	N/A	N/A	ND	U	4.9	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.9	132	N/A	98
	ATRAZINE	N/A	N/A	N/A	ND	U	4.9	ND	UJ	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	98
	BENZALDEHYDE	N/A	N/A	N/A	ND	U	4.9	ND	UJ	5	ND	U	5	ND	UJ	4.9	ND	U	4.9	ND	UJ	4.9	ND	U	4.9	ND	U	98
	BENZIDINE	N/A	N/A	N/A	ND	U	49	ND	U	50	ND	U	50	ND	U	49	ND	U	49	ND	U	49	ND	U	49	ND	U	980
	BENZOIC ACID	N/A	N/A	N/A	ND	U	49	ND	U	50	ND	UJ	50	ND	U	49	ND	U	49	ND	U	49	ND	U	49	ND	U	980
	BIS(2-CHLOROETHOXY)METHANE	N/A	N/A	N/A	ND	U	4.9	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	98
	BIS(2-CHLOROETHYL)ETHER	N/A	N/A	N/A	ND	U	4.9	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	98
	BIS(2-CHLOROISOPROPYL)ETHER	N/A	N/A	N/A	ND	U	4.9	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	UJ	4.9	ND	U	4.9	ND	U	98
	BIS(2-ETHYLHEXYL)PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	98
	BUTYL BENZYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	98
	CAPROLACTAM	N/A	N/A	N/A	ND	UJ	4.9	ND	UJ	5	ND	UJ	5	ND	UJ	4.9	ND	UJ	4.9	ND	UJ	4.9	ND	UJ	4.9	ND	UJ	98
	CARBAZOLE	N/A	N/A	N/A	ND	U	4.9	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	98
	DIBENZOFURAN	N/A	N/A	N/A	ND	U	4.9	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	98
	DIETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	98
	DIMETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	98
	DI-N-BUTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	98
	DI-N-OCTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	98
	HEXACHLOROBENZENE	N/A	N/A	N/A	ND	U	4.9	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	98
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	4.9	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	98
	HEXACHLOROCYCLOPENTADIENE	N/A	N/A	N/A	ND	U	4.9	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	98
	HEXACHLOROETHANE	N/A	N/A	N/A	ND	U	4.9	ND	U	5	ND	U	5	ND	UJ	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	98
	ISOPHORONE	N/A	N/A	N/A	ND	U	4.9	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	98
	NITROBENZENE	N/A	N/A	N/A	ND	U	4.9	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	98
	N-NITROSO-DI-N-PROPYLAMINE	N/A	N/A	N/A	ND	U	4.9	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	98
	N-NITROSODIPHENYLAMINE	N/A	N/A	N/A	ND	U	4.9	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	98
	PENTACHLOROPHENOL	N/A	N/A	N/A	ND	U	19.6	ND	U	20	ND	UJ	20	ND	U	19.6	ND	U	19.6	ND	U	19.6	ND	U	19.6	ND	U	392
	PHENOL	N/A	N/A	5	ND	U	4.9	ND	U	5	ND	UJ	5	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.9	25.9	J	98
PAHs (µg/L) Method	1-METHYL NAPHTHALENE	N/A	N/A	30	ND	U	4.9	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.9	48.8	J	98
	2-METHYL NAPHTHALENE	N/A	N/A	30	ND	U	4.9	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.9	39.9	J	98
	ACENAPHTHENE	N/A	N/A	N/A	ND	U	4.9	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	98
	ACENAPHTHYLENE	N/A	N/A	N/A	ND	U	4.9	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	98
	ANTHRACENE	N/A	N/A	N/A	ND	U	4.9	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	98
	BENZO(A)ANTHRACENE	N/A	N/A	N/A	ND	U	4.9	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	98
	BENZO(A)PYRENE	0.7	N/A	0.2	ND	U	4.9	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	98
	BENZO(B)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.9	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	98
	BENZO(GHI)PERYLENE	N/A	N/A	N/A	ND	U	4.9	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	98
	BENZO(K)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.9	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	98
	CHRYSENE	N/A	N/A	N/A	ND	U	4.9	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	98
	DIBENZO(A,H)ANTHRACENE	N/A	N/A	N/A	ND	U	4.9	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	98
	FLUORANTHENE	N/A	N/A	N/A	ND	U	4.9	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	98

Table 5-1
Groundwater Analytical Results
January - March 2012

			LOCATION CODE		KAFB-3			KAFB-15			KAFB-16			KAFB-1061			KAFB-1062			KAFB-1063			KAFB-1064			KAFB-1065		
			SAMPLE NO		GW0376			GW0377			GW0378			GW0382			GW0383			GW0489			GW0486			GW0384		
			SAMPLE DATE		23-Jan-12			23-Jan-12			23-Jan-12			1-Feb-12			22-Mar-12			6-Feb-12			29-Feb-12			1-Mar-12		
			SAMPLE PURPOSE		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		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[b]	NMED Approved Background[c]	EPA MCLs[b,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
PAHs (µg/L) Method 8270C (continued)	FLUORENE	N/A	N/A	N/A	ND	U	4.9	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	98
	INDENO(1,2,3-CD)PYRENE	N/A	N/A	N/A	ND	U	4.9	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	98
	NAPHTHALENE	N/A	N/A	30	ND	U	4.9	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.9	54.5	J	98
	PHENANTHRENE	N/A	N/A	N/A	ND	U	4.9	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	98
	PYRENE	N/A	N/A	N/A	ND	U	4.9	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	98
PAHs (µg/L) Method 8270C Low Detection Limit	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
Metals (mg/L) Method 6010B	CALCIUM	N/A	N/A	N/A	41.6		5	32.6		5	48.5		5	50.8		5	43.4		5	102		5	61.7		5	131		5
	IRON, DISSOLVED	1	N/A	0.3	ND	U	0.1	ND	U	0.1	ND	U	0.1	0.116	J+	0.1	ND	U	0.1	ND	U	0.1	ND	U	0.1	0.366		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
	MAGNESIUM	N/A	N/A	N/A	5.37		5	7.79		5	5.44		5	7.42		5	6.17		5	15.6		5	8.73		5	21.6		5
	MANGANESE, DISSOLVED	0.2	N/A	0.05	ND	U	0.015	0.024		0.015	0.00751	J	0.015	0.185		0.015	ND	U	0.015	ND	U	0.015	ND	U	0.015	4.69		0.015
	POTASSIUM	N/A	N/A	N/A	2.2	J	5	6.42		5	3.5	J	5	2.52	J	5	2.37	J	5	3.94	J	5	2.85	J	5	4.33	J	5
	SODIUM	N/A	N/A	N/A	25.2		5	36.9		5	29.5		5	24.2		5	22.8		5	45.6		5	26.1		5	59.8		5
Anions (mg/L) Method E300.0	CHLORIDE	250	N/A	250	22.8		0.5	44.4		0.5	54		0.5	14.7		0.5	18.3		0.5	98		0.5	36.8		0.5	130		2.5
	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	0.165	J	0.3	0.117	J	0.3	ND	U	0.3	0.369		0.3
	NITROGEN, NITRATE-NITRITE (Method E353.2)	N/A	4	N/A	0.306	J	1.5	ND	U	1.5	ND	U	1.5	ND	U	1.5	0.913	J	1.5	3.14		1.5	2.17		1.5	ND	U	1.5
	SULFATE	600	N/A	250	23.4		2	31.8		2	32.7		2	32.1		2	45.4		2	164		2	74.4		2	33.3		10
	SULFIDE, TOTAL (Method 4500S2CF)	N/A	N/A	N/A	ND	U	3.39	ND	U	3.39	0.828	J	3.45	0.89	J	3.7	ND	U	3.7	ND	U	3.45	0.741	J	3.7	1.78	J	3.7
Alkalinity (mg/L) Method SM2320B	ALKALINITY, BICARBONATE (AS CACO3)	N/A	N/A	N/A	109		1	87.3		1	90.2		1	140		1	94.8		1	80.7		1	98.5		1	351		1
	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
Field Parameters	Temperature (°C)	N/A	N/A	N/A	19.42			25.96			26.82			19.07			18.67			18.33			18.70			20.12		
	pH (S.U.)	N/A	N/A	N/A	6.81			6.97			7.07			7.42			7.77			7.75			7.65			6.76		
	Spec Cond (µS/cm2)	N/A	N/A	N/A	334.8			399.3			432.1			390.6			354.1			789.3			485.2			1090.0		
	DO (mg/L)	N/A	N/A	N/A	7.72			4.83			3.79			0.71			4.58			7.88			8.38			0.00		
	ORP (mV)	N/A	N/A	N/A	155			159			160			-74			188			167			164			-290		
	Turbidity (NTU)	N/A	N/A	N/A	0.24			0.36			0.37			0.55			0.57			0.73			0.73			70.80		
	Alkalinity (mg/L as CaCO3)	N/A	N/A	N/A	98			92			101			128			116			84			108			368		

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

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

d. 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 "*". Concentration exceeding standards are **BOLD.**

e. KAFB-10612 not measured during Quarter 1, 2012 due to a non-operational corroded pump.

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 low.

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 or Not available

ND = Not detected

NM = not measured due to equipment malfunction.

NR = Not recorded or reported due to operational error

R = sample data rejected due to site contamination

THIS PAGE INTENTIONALLY LEFT BLANK

Table 5-1
Groundwater Analytical Results
January - March 2012

				LOCATION CODE	KAFB-1066			KAFB-1067			KAFB-1068			KAFB-1069			KAFB-10610			KAFB-10610			KAFB-10611			KAFB-10612[e]		
				SAMPLE NO	GW0385			GW0386			GW0387			GW0388			GW0389			GW0390			GW0391			Not Sampled		
				SAMPLE DATE	28-Feb-12			3-Feb-12			29-Feb-12			27-Feb-12			16-Feb-12			16-Feb-12			13-Feb-12			N/A		
				SAMPLE PURPOSE	REG			REG			REG			REG			REG			FD			REG			N/A		
				SAMPLE DEPTH	484-508 FT			484-509 FT			486-511 FT			480-505 FT			483-508 FT			483-508 FT			486-511 FT			481-506 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[b]	NMED Approved Background[c]	EPA MCLs[b,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
TPH (µg/L) Method 8015B	DIESEL RANGE ORGANICS	N/A	N/A	N/A	1770	N/A	98	ND	U	100	18500	N/A	1000	37400	N/A	4810	36800	N/A	2360	34900	N/A	2380	ND	U	100	NM	NM	NM
	GASOLINE RANGE ORGANICS	N/A	N/A	N/A	3090	N/A	150	ND	U	150	16200	N/A	750	24300	N/A	1500	30100	N/A	1500	31600	N/A	1500	ND	U	150	NM	NM	NM
VOCs (µg/L) Method 8260B	1,1,1,2-TETRACHLOROETHANE	N/A	N/A	N/A	ND	U	2	ND	U	1	ND	U	200	ND	U	200	ND	U	100	ND	U	100	ND	U	1	NM	NM	NM
	1,1,1-TRICHLOROETHANE	60	N/A	60	ND	U	2	ND	U	1	ND	U	200	ND	U	200	ND	U	100	ND	U	100	ND	U	1	NM	NM	NM
	1,1,2,2-TETRACHLOROETHANE	10	N/A	10	ND	U	2	ND	U	1	ND	U	200	ND	U	200	ND	U	100	ND	U	100	ND	U	1	NM	NM	NM
	1,1,2-TRICHLOROETHANE	100	N/A	5	ND	U	2	ND	U	1	ND	U	200	ND	U	200	ND	U	100	ND	U	100	ND	U	1	NM	NM	NM
	1,1-DICHLOROETHANE	25	N/A	25	ND	U	2	0.31	J	1	ND	U	200	ND	U	200	ND	U	100	ND	U	100	ND	U	1	NM	NM	NM
	1,1-DICHLOROETHENE	5	N/A	5	ND	U	2	ND	U	1	ND	U	200	ND	U	200	ND	U	100	ND	U	100	ND	U	1	NM	NM	NM
	1,1-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	2	ND	U	1	ND	U	200	ND	U	200	ND	U	100	ND	U	100	ND	U	1	NM	NM	NM
	1,2,3-TRICHLOROBENZENE	N/A	N/A	N/A	ND	U	2	ND	U	1	ND	U	200	ND	U	200	ND	UJ	100	ND	UJ	100	ND	U	1	NM	NM	NM
	1,2,3-TRICHLOROPROPANE	N/A	N/A	N/A	ND	U	4	ND	U	2	ND	U	400	ND	U	400	ND	U	200	ND	U	200	ND	U	2	NM	NM	NM
	1,2,4-TRICHLOROBENZENE	N/A	N/A	70	ND	U	2	ND	U	1	ND	U	200	ND	U	200	ND	U	100	ND	U	100	ND	U	1	NM	NM	NM
	1,2,4-TRIMETHYLBENZENE	N/A	N/A	N/A	43.6	N/A	2	ND	U	1	ND	U	200	158	J	200	155	N/A	100	155	N/A	100	ND	U	1	NM	NM	NM
	1,2-DIBROMO-3-CHLOROPROPANE	N/A	N/A	0.2	ND	U	4	ND	U	2	ND	U	400	ND	U	400	ND	U	200	ND	U	200	ND	U	2	NM	NM	NM
	1,2-DIBROMOETHANE	0.1	N/A	0.05	3.08	N/A	2	ND	U	1	ND	U	200	ND	U	200	92.5	J	100	98.6	J	100	ND	U	1	NM	NM	NM
	1,2-DIBROMOETHANE (Method 8011)	0.1	N/A	0.05	2.89	N/A	0.141	ND	U	0.0277	1.34	N/A	0.0564	2.12	N/A	0.282	89.2	N/A	2.84	81.3	N/A	2.85	ND	U	0.0281	NM	NM	NM
	1,2-DICHLOROBENZENE	N/A	N/A	600	ND	U	2	ND	U	1	ND	U	200	ND	U	200	ND	U	100	ND	U	100	ND	U	1	NM	NM	NM
	1,2-DICHLOROETHANE	10	N/A	5	ND	U	2	ND	U	1	ND	U	200	ND	U	200	ND	U	100	ND	U	100	ND	U	1	NM	NM	NM
	1,2-DICHLOROPROPANE	N/A	N/A	5	ND	U	2	ND	U	1	ND	U	200	ND	U	200	ND	U	100	ND	U	100	ND	U	1	NM	NM	NM
	1,3,5-TRIMETHYLBENZENE	N/A	N/A	N/A	24.2	N/A	2	ND	U	1	ND	U	200	56	J	200	55.2	J	100	57.9	J	100	ND	U	1	NM	NM	NM
	1,3-DICHLOROBENZENE	N/A	N/A	N/A	ND	U	2	ND	U	1	ND	U	200	ND	U	200	ND	U	100	ND	U	100	ND	U	1	NM	NM	NM
	1,3-DICHLOROPROPANE	N/A	N/A	N/A	ND	U	2	ND	U	1	ND	U	200	ND	U	200	ND	U	100	ND	U	100	ND	U	1	NM	NM	NM
	1,4-DICHLOROBENZENE	N/A	N/A	75	ND	U	2	ND	U	1	ND	U	200	ND	U	200	ND	U	100	ND	U	100	ND	U	1	NM	NM	NM
	2,2-DICHLOROPROPANE	N/A	N/A	N/A	ND	U	2	ND	U	1	ND	U	200	ND	U	200	ND	U	100	ND	U	100	ND	U	1	NM	NM	NM
	2-BUTANONE	N/A	N/A	N/A	ND	U	20	ND	U	10	ND	U	2000	ND	U	2000	571	J	1000	542	J	1000	ND	U	10	NM	NM	NM
	2-CHLOROTOLUENE	N/A	N/A	N/A	ND	U	2	ND	U	1	ND	U	200	ND	U	200	ND	U	100	ND	U	100	ND	U	1	NM	NM	NM
	2-HEXANONE	N/A	N/A	N/A	ND	U	10	ND	U	5	ND	U	1000	ND	U	1000	ND	U	500	ND	U	500	ND	U	5	NM	NM	NM
	4-CHLOROTOLUENE	N/A	N/A	N/A	ND	U	2	ND	U	1	ND	U	200	ND	U	200	ND	U	100	ND	U	100	ND	U	1	NM	NM	NM
	4-METHYL-2-PENTANONE	N/A	N/A	N/A	ND	U	10	ND	U	5	ND	U	1000	ND	U	1000	176	J	500	167	J	500	ND	U	5	NM	NM	NM
	ACETONE	N/A	N/A	N/A	10.1	J-	20	ND	U	10	ND	UJ	2000	ND	UJ	2000	1850	N/A	1000	1730	N/A	1000	ND	U	10	NM	NM	NM
	BENZENE	10	N/A	5	177	N/A	2	ND	U	1	5810	N/A	200	13400	N/A	200	8250	N/A	100	8220	N/A	100	ND	U	1	NM	NM	NM
	BROMOBENZENE	N/A	N/A	N/A	ND	U	2	ND	U	1	ND	U	200	ND	U	200	ND	U	100	ND	U	100	ND	U	1	NM	NM	NM
	BROMOCHLOROMETHANE	N/A	N/A	N/A	ND	U	2	ND	U	1	ND	U	200	ND	U	200	ND	U	100	ND	U	100	ND	U	1	NM	NM	NM
	BROMODICHLOROMETHANE	N/A	N/A	N/A	ND	U	2	ND	U	1	ND	U	200	ND	U	200	ND	U	100	ND	U	100	ND	U	1	NM	NM	NM
	BROMOFORM	N/A	N/A	N/A	ND	U	2	ND	U	1	ND	U	200	ND	U	200	ND	U	100	ND	U	100	ND	U	1	NM	NM	NM
	BROMOMETHANE	N/A	N/A	N/A	ND	U	4	ND	U	2	ND	U	400	ND	U	400	ND	U	200	ND	U	200	ND	U	2	NM	NM	NM
	CARBON DISULFIDE	N/A	N/A	N/A	ND	U	2	ND	U	1	208	J+	200	366	J+	200	76.4	J	100	107	N/A	100	ND	U	1	NM	NM	NM
	CARBON TETRACHLORIDE	10	N/A	5	ND	U	2	ND	U	1	ND	U	200	ND	U	200	ND	U	100	ND	U	100	ND	U	1	NM	NM	NM
	CHLOROBENZENE	N/A	N/A	100	ND	U	2	ND	U	1	ND	U	200	ND	U	200	ND	U	100	ND	U	100	ND	U	1	NM	NM	NM
	CHLOROETHANE	N/A	N/A	N/A	ND	U	4	ND	U	2	ND	U	400	ND	U	400	ND	U	200	ND	U	200	ND	U	2	NM	NM	NM
	CHLOROFORM	100	N/A	100	ND	U	2	ND	U	1	ND	U	200	ND	U	200	ND	U	100	ND	U	100	ND	U	1	NM	NM	NM
	CHLOROMETHANE	N/A	N/A	N/A	ND	U	2	ND	U	1	ND	U	200	ND	U	200	ND	U	100	ND	U	100	ND	U	1	NM	NM	NM
	CIS-1,2-DICHLOROETHENE	N/A	N/A	70	ND	U	2	ND	U	1	ND	U	200	ND	U	200	ND	U	100	ND	U	100	ND	U	1	NM	NM	NM
	CIS-1,3-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	2	ND	U	1	ND	U	200	ND	U	200	ND	U	100	ND	U	100	ND	U	1	NM	NM	NM
	DIBROMOCHLOROMETHANE	N/A	N/A	N/A	ND	U	2	ND	U	1	ND	U	200	ND	U	200	ND	U	100	ND	U	100	ND	U	1	NM	NM	NM
	DIBROMOMETHANE	N/A	N/A	N/A	ND	U	2	ND	U	1	ND	U	200	ND	U	200	ND	U	100	ND	U	100	ND	U	1	NM	NM	NM
	DICHLORODIFLUOROMETHANE	N/A	N/A	N/A	ND	U	4	1.12	J	2	ND	U	400	ND	U	400	ND	U	200	ND	U	200	ND	U	2	NM	NM	NM
	ETHYLBENZENE	750	N/A	700	38.5	N/A	2	ND	U	1	304	N/A	200	1180	N/A	200	1110	N/A	100	1120	N/A	100	ND	U	1	NM	NM	NM
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	2	ND	U	1	ND	U	200	ND	U	200	ND	UJ	100	ND	UJ	100	ND	U	1	NM	NM	NM
	ISOPROPYLBENZENE	N/A	N/A	N/A	15.1	N/A	2	ND	U	1	ND	U	200	64	J	200	67.5	J	100	70.1	J	100	ND	U	1	NM	NM	NM
	METHYL TERT-BUTYL ETHER	N/A	N/A	N/A	ND	U	2	ND	U	1	ND	U	200	ND	U	200	ND	U	100	ND	U	100	ND	U	1	NM	NM	NM
	METHYLENE CHLORIDE	100	N/A	5	ND	U	4	ND	U	2	ND	U	400	ND	U	400	ND	U	200	ND	U	200	ND	U	2	NM	NM	NM
	NAPHTHALENE	N/A	N/A	30	7.34	N/A	2	ND	U	1	ND	U	200	ND	U	200	74	J	100	72.5	J	100	ND	U	1	NM	NM	NM
	N-BUTYLBENZENE	N/A	N/A	N/A	7.5	N/A	2	ND	U	1	ND	U	200	ND	U	200	ND	U	100	ND	U	100	ND	U	1	NM	NM	NM
	N-PROPYLBENZENE	N/A	N/A	N/A	19.2	N/A	2	ND	U	1	ND	U	200	62	J	200	57.6	J	100	59.7	J	100	ND	U	1	NM	NM	NM
	P-ISOPROPYLTOLUENE	N/A	N/A	N/A	5.32	N/A	2	ND	U	1	ND	U	200	ND	U	200	ND	U	100	ND	U	100	ND	U	1	NM	NM	NM
	SEC-BUTYLBENZENE	N/A	N/A	N/A	12.8	N/A	2	ND	U	1	ND	U	200	ND	U	200	ND	U	100	ND	U	100	ND	U	1	NM	NM	NM
	STYRENE	N/A	N/A	100	ND	U	2	ND	U	1	ND	U	200	ND	U	200	ND	U	100	ND	U	100	ND	U	1	NM	NM	NM
	TERT-BUTYLBENZENE	N/A	N/A	N/A	ND	U	2	ND	U	1	ND	U	200	ND	U	200	ND	U	100	ND	U	100	ND	U	1	NM	NM	NM
	TETRACHLOROETHENE	N/A	N/A	5	ND	U	2	0.37	J	1	ND	U	200	ND	U	200	ND	U	100	ND	U	100	ND	U	1	NM	NM	NM
	TOLUENE	750	N/A	750	239	N/A	2	ND	U	1	5170	N/A	200	2640	N/A	200	7720	N/A	100	8160	N/A	100	ND	U	1	NM	NM	NM
	TRANS-1,2-DICHLOROETHENE	N/A	N/A	100	ND	U	2	ND	U	1	ND	U	200	ND	U	200	ND	U	100	ND	U	100	ND	U	1	NM	NM	NM
	TRANS-1,3-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	2	ND	U	1	ND	U	200	ND	U	200	ND	U	100	ND	U	100	ND	U	1	NM	NM	NM
	TRICHLOROETHENE	N/A	N/A	5	ND	U	2	0.43	J	1	ND	U	200	ND	U	200	ND	U	100	ND	U	100	ND	U	1	NM	NM	NM
	TRICHLOROFLUOROMETHANE	N/A	N/A	N/A	ND	U	4	ND	U	2	ND	U	400	ND	U	400	ND	U	200	ND	U	200	ND	U	2	NM	NM	NM
	VINYL CHLORIDE	1	N/A	1	ND	U	2	ND	U	1	ND	U	200	ND	U	200	ND	U	100	ND	U	100	ND	U	1	NM	NM	NM
	XYLENES	620	N/A	10000	336	N/A	6	ND	U	3	486	J	600	964	N/A	600	2030	N/A	300	2050	N/A	300	ND	U	3	NM	NM	NM

Table 5-1
Groundwater Analytical Results
January - March 2012

			LOCATION CODE		KAFB-1066			KAFB-1067			KAFB-1068			KAFB-1069			KAFB-10610			KAFB-10610			KAFB-10611			KAFB-10612[e]		
			SAMPLE NO		GW0385			GW0386			GW0387			GW0388			GW0389			GW0390			GW0391			Not Sampled		
			SAMPLE DATE		28-Feb-12			3-Feb-12			29-Feb-12			27-Feb-12			16-Feb-12			16-Feb-12			13-Feb-12			N/A		
			SAMPLE PURPOSE		REG			REG			REG			REG			REG			FD			REG			N/A		
			SAMPLE DEPTH		484-508 FT			484-509 FT			486-511 FT			480-505 FT			483-508 FT			483-508 FT			486-511 FT			481-506 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[b]	NMED Approved Background[c]	EPA MCLs[b,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
SVOCs (µg/L) Method 8270C	1,1-BIPHENYL	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	240	ND	U	245	ND	U	4.72	ND	U	4.9	ND	U	4.9	NM	NM	NM
	1,2-DIPHENYLHYDRAZINE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	240	ND	U	245	ND	U	4.72	ND	U	4.9	ND	U	4.9	NM	NM	NM
	2,4,5-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	240	ND	U	245	ND	U	4.72	ND	U	4.9	ND	U	4.9	NM	NM	NM
	2,4,6-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	240	ND	U	245	ND	U	4.72	ND	U	4.9	ND	U	4.9	NM	NM	NM
	2,4-DICHLOROPHENOL	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	240	ND	U	245	ND	U	4.72	ND	U	4.9	ND	U	4.9	NM	NM	NM
	2,4-DIMETHYLPHENOL	N/A	N/A	N/A	ND	U	20	ND	U	19.6	ND	U	962	ND	U	980	ND	U	18.9	ND	U	19.6	ND	U	19.6	NM	NM	NM
	2,4-DINITROPHENOL	N/A	N/A	N/A	ND	U	50	ND	U	49	ND	U	2400	ND	U	2450	ND	UJ	47.2	ND	UJ	49	ND	U	49	NM	NM	NM
	2,4-DINITROTOLUENE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	240	ND	U	245	ND	U	4.72	ND	U	4.9	ND	U	4.9	NM	NM	NM
	2,6-DINITROTOLUENE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	240	ND	U	245	ND	U	4.72	ND	U	4.9	ND	U	4.9	NM	NM	NM
	2-CHLORONAPHTHALENE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	240	ND	U	245	ND	U	4.72	ND	U	4.9	ND	U	4.9	NM	NM	NM
	2-CHLOROPHENOL	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	240	ND	U	245	ND	U	4.72	ND	U	4.9	ND	U	4.9	NM	NM	NM
	2-METHYLPHENOL	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	240	203	J	245	ND	U	4.72	ND	U	4.9	ND	U	4.9	NM	NM	NM
	2-NITROANILINE	N/A	N/A	N/A	ND	U	20	ND	U	19.6	ND	U	962	ND	U	980	ND	UJ	18.9	ND	UJ	19.6	ND	U	19.6	NM	NM	NM
	2-NITROPHENOL	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	240	ND	U	245	ND	U	4.72	ND	U	4.9	ND	U	4.9	NM	NM	NM
	3,3'-DICHLOROBENZIDINE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	240	ND	U	245	ND	U	4.72	ND	U	4.9	ND	U	4.9	NM	NM	NM
	3-METHYLPHENOL AND 4-METHYLPHENOL	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	240	164	J	245	ND	U	4.72	ND	U	4.9	ND	U	4.9	NM	NM	NM
	3-NITROANILINE	N/A	N/A	N/A	ND	U	20	ND	U	19.6	ND	U	962	ND	U	980	ND	U	18.9	ND	U	19.6	ND	U	19.6	NM	NM	NM
	4,6-DINITRO-2-METHYLPHENOL	N/A	N/A	N/A	ND	U	20	ND	U	19.6	ND	U	962	ND	U	980	ND	U	18.9	ND	U	19.6	ND	U	19.6	NM	NM	NM
	4-BROMOPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	240	ND	U	245	ND	U	4.72	ND	U	4.9	ND	U	4.9	NM	NM	NM
	4-CHLORO-3-METHYLPHENOL	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	240	ND	U	245	ND	U	4.72	ND	U	4.9	ND	U	4.9	NM	NM	NM
	4-CHLOROANILINE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	240	ND	U	245	ND	U	4.72	ND	U	4.9	ND	U	4.9	NM	NM	NM
	4-CHLOROPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	240	ND	U	245	ND	U	4.72	ND	U	4.9	ND	U	4.9	NM	NM	NM
	4-NITROANILINE	N/A	N/A	N/A	ND	U	20	ND	U	19.6	ND	U	962	ND	U	980	ND	UJ	18.9	ND	UJ	19.6	ND	U	19.6	NM	NM	NM
	4-NITROPHENOL	N/A	N/A	N/A	ND	UJ	20	ND	U	19.6	ND	UJ	962	ND	UJ	980	ND	UJ	18.9	ND	UJ	19.6	ND	U	19.6	NM	NM	NM
	ACETOPHENONE	N/A	N/A	N/A	44.7	N/A	5	ND	U	4.9	1980	N/A	240	1040	N/A	245	3790	N/A	472	3770	N/A	490	ND	U	4.9	NM	NM	NM
	ATRAZINE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	240	ND	U	245	ND	U	4.72	ND	U	4.9	ND	U	4.9	NM	NM	NM
	BENZALDEHYDE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	240	ND	U	245	ND	U	4.72	ND	U	4.9	ND	U	4.9	NM	NM	NM
	BENZIDINE	N/A	N/A	N/A	ND	U	50	ND	U	49	ND	U	2400	ND	U	2450	ND	U	47.2	ND	U	49	ND	U	49	NM	NM	NM
	BENZOIC ACID	N/A	N/A	N/A	ND	U	50	ND	U	49	ND	U	2400	ND	U	2450	ND	UJ	47.2	ND	UJ	49	ND	U	49	NM	NM	NM
	BIS(2-CHLOROETHOXY)METHANE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	240	ND	U	245	ND	U	4.72	ND	U	4.9	ND	U	4.9	NM	NM	NM
	BIS(2-CHLOROETHYL)ETHER	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	240	ND	U	245	ND	U	4.72	ND	U	4.9	ND	U	4.9	NM	NM	NM
	BIS(2-CHLOROISOPROPYL)ETHER	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	240	ND	U	245	ND	U	4.72	ND	U	4.9	ND	U	4.9	NM	NM	NM
	BIS(2-ETHYLHEXYL)PHTHALATE	N/A	N/A	N/A	8.89	N/A	5	ND	U	4.9	ND	U	240	ND	U	245	ND	U	4.72	ND	U	4.9	ND	U	4.9	NM	NM	NM
	BUTYL BENZYL PHTHALATE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	240	ND	U	245	ND	U	4.72	ND	U	4.9	ND	U	4.9	NM	NM	NM
	CAPROLACTAM	N/A	N/A	N/A	ND	UJ	5	ND	UJ	4.9	ND	UJ	240	ND	UJ	245	ND	UJ	4.72	ND	UJ	4.9	ND	UJ	4.9	NM	NM	NM
	CARBAZOLE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	240	ND	U	245	ND	U	4.72	ND	U	4.9	ND	U	4.9	NM	NM	NM
	DIBENZOFURAN	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	240	ND	U	245	ND	U	4.72	ND	U	4.9	ND	U	4.9	NM	NM	NM
	DIETHYL PHTHALATE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	240	ND	U	245	ND	U	4.72	ND	U	4.9	ND	U	4.9	NM	NM	NM
	DIMETHYL PHTHALATE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	240	ND	U	245	ND	U	4.72	ND	U	4.9	ND	U	4.9	NM	NM	NM
	DI-N-BUTYL PHTHALATE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	240	ND	U	245	ND	U	4.72	ND	U	4.9	ND	U	4.9	NM	NM	NM
	DI-N-OCTYL PHTHALATE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	240	ND	U	245	ND	U	4.72	ND	U	4.9	ND	U	4.9	NM	NM	NM
	HEXACHLOROBENZENE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	240	ND	U	245	ND	U	4.72	ND	U	4.9	ND	U	4.9	NM	NM	NM
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	240	ND	U	245	ND	U	4.72	ND	U	4.9	ND	U	4.9	NM	NM	NM
	HEXACHLOROCYCLOPENTADIENE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	240	ND	U	245	ND	U	4.72	ND	U	4.9	ND	U	4.9	NM	NM	NM
	HEXACHLOROETHANE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	240	ND	U	245	ND	U	4.72	ND	U	4.9	ND	UJ	4.9	NM	NM	NM
	ISOPHORONE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	240	ND	U	245	ND	U	4.72	ND	U	4.9	ND	U	4.9	NM	NM	NM
	NITROBENZENE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	240	ND	U	245	ND	U	4.72	ND	U	4.9	ND	U	4.9	NM	NM	NM
	N-NITROSO-DI-N-PROPYLAMINE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	240	ND	U	245	ND	U	4.72	ND	U	4.9	ND	U	4.9	NM	NM	NM
	N-NITROSODIPHENYLAMINE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	240	ND	U	245	ND	U	4.72	ND	U	4.9	ND	U	4.9	NM	NM	NM
	PENTACHLOROPHENOL	N/A	N/A	N/A	ND	U	20	ND	U	19.6	ND	U	962	ND	U	980	ND	U	18.9	ND	U	19.6	ND	U	19.6	NM	NM	NM
	PHENOL	N/A	N/A	5	ND	U	5	ND	U	4.9	ND	U	240	109	J	245	ND	U	4.72	ND	U	4.9	ND	U	4.9	NM	NM	NM
PAHs (µg/L) Method	1-METHYL NAPHTHALENE	N/A	N/A	30	ND	U	5	ND	U	4.9	ND	U	240	ND	U	245	13.3	N/A	4.72	14	N/A	4.9	ND	U	4.9	NM	NM	NM
	2-METHYL NAPHTHALENE	N/A	N/A	30	ND	U	5	ND	U	4.9	ND	U	240	ND	U	245	14.7	N/A	4.72	15.2	N/A	4.9	ND	U	4.9	NM	NM	NM
	ACENAPHTHENE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	240	ND	U	245	ND	U	4.72	ND	U	4.9	ND	U	4.9	NM	NM	NM
	ACENAPHTHYLENE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	240	ND	U	245	ND	U	4.72	ND	U	4.9	ND	U	4.9	NM	NM	NM
	ANTHRACENE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	240	ND	U	245	ND	U	4.72	ND	U	4.9	ND	U	4.9	NM	NM	NM
	BENZO(A)ANTHRACENE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	240	ND	U	245	ND	U	4.72	ND	U	4.9	ND	U	4.9	NM	NM	NM
	BENZO(A)PYRENE	0.7	N/A	0.2	ND	U	5	ND	U	4.9	ND	U	240	ND	U	245	ND	U	4.72	ND	U	4.9	ND	U	4.9	NM	NM	NM
	BENZO(B)FLUORANTHENE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	240	ND	U	245	ND	U	4.72	ND	U	4.9	ND	U	4.9	NM	NM	NM
	BENZO(GHI)PERYLENE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	240	ND	U	245	ND	U	4.72	ND	U	4.9	ND	U	4.9	NM	NM	NM
	BENZO(K)FLUORANTHENE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	240	ND	U	245	ND	U	4.72	ND	U	4.9	ND	U	4.9	NM	NM	NM
	CHRYSENE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	240	ND	U	245	ND	U	4.72	ND	U	4.9	ND	U	4.9	NM	NM	NM
	DIBENZO(A,H)ANTHRACENE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	240	ND	U	245	ND	U	4.72	ND	U	4.9	ND	U	4.9	NM	NM	NM
	FLUORANTHENE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	240	ND	U	245	ND	U	4.72	ND	U	4.9	ND	U	4.9	NM	NM	NM

Table 5-1
Groundwater Analytical Results
January - March 2012

			LOCATION CODE		KAFB-1066			KAFB-1067			KAFB-1068			KAFB-1069			KAFB-10610			KAFB-10610			KAFB-10611			KAFB-10612[e]		
			SAMPLE NO		GW0385			GW0386			GW0387			GW0388			GW0389			GW0390			GW0391			Not Sampled		
			SAMPLE DATE		28-Feb-12			3-Feb-12			29-Feb-12			27-Feb-12			16-Feb-12			16-Feb-12			13-Feb-12			N/A		
			SAMPLE PURPOSE		REG			REG			REG			REG			REG			FD			REG			N/A		
			SAMPLE DEPTH		484-508 FT			484-509 FT			486-511 FT			480-505 FT			483-508 FT			483-508 FT			486-511 FT			481-506 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[b]	NMED Approved Background[c]	EPA MCLs[b,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
PAHs (µg/L) Method 8270C (continued)	FLUORENE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	240	ND	U	245	ND	U	4.72	ND	U	4.9	ND	U	4.9	NM	NM	NM
	INDENO(1,2,3-CD)PYRENE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	240	ND	U	245	ND	U	4.72	ND	U	4.9	ND	U	4.9	NM	NM	NM
	NAPHTHALENE	N/A	N/A	30	4.53	J	5	ND	U	4.9	ND	U	240	86	J	245	25.2	N/A	4.72	29.1	N/A	4.9	ND	U	4.9	NM	NM	NM
	PHENANTHRENE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	240	ND	U	245	ND	U	4.72	ND	U	4.9	ND	U	4.9	NM	NM	NM
	PYRENE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	240	ND	U	245	ND	U	4.72	ND	U	4.9	ND	U	4.9	NM	NM	NM
PAHs (µg/L) Method 8270C Low Detection Limit	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	NM	NM	NM
	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	NM	NM	NM
	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	NM	NM	NM
	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	NM	NM	NM
	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	NM	NM	NM
	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	NM	NM	NM
	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	NM	NM	NM
	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	NM	NM	NM
	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	NM	NM	NM
	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	NM	NM	NM
	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	NM	NM	NM
	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	NM	NM	NM
	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	NM	NM	NM
	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	NM	NM	NM
	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	NM	NM	NM
	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	NM	NM	NM
	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	NM	NM	NM
	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	NM	NM	NM
Metals (mg/L) Method 6010B	CALCIUM	N/A	N/A	N/A	48.6		5	42.4		5	54.8		5	163		5	76.2		5	74.3		5	39.4		5	NM	NM	NM
	IRON, DISSOLVED	1	N/A	0.3	0.0853	J	0.1	ND	U	0.1	0.222		0.1	5.32		0.1	0.262		0.1	0.255		0.1	ND	U	0.1	NM	NM	NM
	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	NM	NM	NM
	MAGNESIUM	N/A	N/A	N/A	6.83		5	5.89		5	8.07		5	26.4		5	10.6		5	10.3		5	5.09		5	NM	NM	NM
	MANGANESE, DISSOLVED	0.2	N/A	0.05	0.0953		0.015	ND	U	0.015	1.39		0.015	6.86		0.015	1.19		0.015	1.17		0.015	ND	U	0.015	NM	NM	NM
	POTASSIUM	N/A	N/A	N/A	2.4	J	5	2.23	J	5	2.49	J	5	4.55	J	5	2.74	J	5	2.63	J	5	2.17	J	5	NM	NM	NM
	SODIUM	N/A	N/A	N/A	26.6		5	25.2		5	26.9		5	44		5	28		5	26.6		5	23.9		5	NM	NM	NM
Anions (mg/L) Method E300.0	CHLORIDE	250	N/A	250	11.1		0.5	11.3		0.5	12.2		0.5	107		2.5	55.6		0.5	55.5		0.5	8.76		0.5	NM	NM	NM
	AMMONIA (AS N) (Method 4500NH3BG)	N/A	N/A	N/A	ND	U	0.3	0.115	J	0.3	ND	U	0.3	ND	U	0.3	0.152	J	0.3	0.136	J	0.3	0.117	J	0.3	NM	NM	NM
	NITROGEN, NITRATE-NITRITE (Method E353.2)	N/A	4	N/A	ND	U	1.5	0.664	J	1.5	ND	U	1.5	ND	U	1.5	ND	U	1.5	ND	U	1.5	0.291	J	1.5	NM	NM	NM
	SULFATE	600	N/A	250	27.3		2	33		2	10		2	ND	U	10	36.9		2	38.4		2	29.6		2	NM	NM	NM
	SULFIDE, TOTAL (Method 4500S2CF)	N/A	N/A	N/A	1.2	J	3.7	ND	U	3.7	2.07	J	3.7	ND	U	3.7	0.808	J	3.39	0.741	J	3.7	ND	U	3.7	NM	NM	NM
Alkalinity (mg/L) Method SM2320B	ALKALINITY, BICARBONATE (AS CACO3)	N/A	N/A	N/A	98.5		1	109		1	188		1	457		1	161		1	155		1	114		1	NM	NM	NM
	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	NM	NM	NM
Field Parameters	Temperature (°C)	N/A	N/A	N/A	17.89			18.09			18.64			20.55			17.85			17.85			18.09			NM		
	pH (S.U.)	N/A	N/A	N/A	7.47			7.76			7.42			6.72			7.49			7.49			7.78			NM		
	Spec Cond (µS/cm2)	N/A	N/A	N/A	363.4			345.4			415.9			1109.0			520.8			520.8			296.3			NM		
	DO (mg/L)	N/A	N/A	N/A	0.49			4.95			0.70			0.01			1.02			1.02			5.15			NM		
	ORP (mV)	N/A	N/A	N/A	-227			146			-261			-145			-224			-224			98			NM		
	Turbidity (NTU)	N/A	N/A	N/A	0.78			0.84			1.36			2.15			3.33			3.33			0.54			NM		
	Alkalinity (mg/L as CaCO3)	N/A	N/A	N/A	172			128			192			316			185			185			96			NM		

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

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

d. 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 "*". Concentration exceeding standards are **BOLD.**

e. KAFB-10612 not measured during Quarter 1, 2012 due to a non-operational corroded pump.

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 low.

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 or Not available

ND = Not detected

NM = not measured due to equipment malfunction.

NR = Not recorded or reported due to operational error

R = sample data rejected due to site contamination

THIS PAGE INTENTIONALLY LEFT BLANK

Table 5-1
Groundwater Analytical Results
January - March 2012

				LOCATION CODE	KAFB-10613			KAFB-10614			KAFB-10615			KAFB-10616			KAFB-10617			KAFB-10618			KAFB-10619			KAFB-10620		
				SAMPLE NO	GW0482			GW0393			GW0394			GW0395			GW0396			GW0397			GW0398			GW0399		
				SAMPLE DATE	27-Mar-12			27-Feb-12			13-Feb-12			31-Jan-12			23-Jan-12			23-Jan-12			23-Jan-12			22-Feb-12		
				SAMPLE PURPOSE	REG			REG			REG			REG			REG			REG			REG			REG		
				SAMPLE DEPTH	487-512 FT			486-511 FT			485-510 FT			475-500 FT			482-507 FT			476-501 FT			493-518 FT			482-507 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[b]	NMED Approved Background[c]	EPA MCLs[b,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
TPH (µg/L) Method 8015B	DIESEL RANGE ORGANICS	N/A	N/A	N/A	122	N/A	100	39900	N/A	5000	ND	U	98	ND	U	100	ND	UJ	96.2	719	J-	96.2	ND	UJ	94.3	ND	U	96.2
	GASOLINE RANGE ORGANICS	N/A	N/A	N/A	478	N/A	150	20300	N/A	1500	ND	U	150	ND	U	150	134	J	150	218	N/A	150	129	J	150	ND	U	150
VOCs (µg/L) Method 8260B	1,1,1,2-TETRACHLOROETHANE	N/A	N/A	N/A	ND	U	1	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,1,1-TRICHLOROETHANE	60	N/A	60	ND	U	1	ND	U	100	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	100	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	100	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	100	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	100	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	100	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	100	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	200	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	100	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	131	N/A	100	ND	U	1	ND	U	1	0.322	J	1	0.403	J	1	ND	U	1	ND	U	1
	1,2-DIBROMO-3-CHLOROPROPANE	N/A	N/A	0.2	ND	U	2	ND	U	200	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	100	N/A	100	ND	U	1	ND	U	1	1.47	N/A	1	0.266	J	1	0.329	J	1	ND	U	1
	1,2-DIBROMOETHANE (Method 8011)	0.1	N/A	0.05	ND	U	0.0285	85.9	N/A	2.8	ND	U	0.028	ND	U	0.0282	1.28	N/A	0.0702	0.236	N/A	0.0285	0.331	N/A	0.0281	ND	U	0.0284
	1,2-DICHLOROBENZENE	N/A	N/A	600	ND	U	1	ND	U	100	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	100	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	100	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	47	J	100	ND	U	1	ND	U	1	ND	U	1	0.702	J	1	ND	U	1	ND	U	1
	1,3-DICHLOROBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	100	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	100	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	100	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	100	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	416	J	1000	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	100	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	191	J	500	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	100	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	500	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	1350	J-	1000	ND	U	10	ND	U	10	ND	U	10	4.01	J	10	ND	U	10	ND	UJ	10
	BENZENE	10	N/A	5	0.55	J	1	4830	N/A	100	ND	U	1	ND	U	1	0.758	J	1	0.552	J	1	0.395	J	1	ND	U	1
	BROMOBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	100	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	100	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	100	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	100	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	200	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	143	J+	100	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	100	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	100	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	200	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	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	100	0.257	J	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	100	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	100	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	100	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	100	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	200	ND	U	2	ND	U	2	0.764	J	2	ND	U	2	ND	U	2	ND	U	2
	ETHYLBENZENE	750	N/A	700	0.46	J	1	705	N/A	100	ND	U	1	ND	U	1	ND	U	1	0.418	J	1	ND	U	1	ND	U	1
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	1	ND	U	100	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	62	J	100	ND	U	1	ND	U	1	4.73	N/A	1	3.41	N/A	1	7.75	N/A	1	ND	U	1
	METHYL TERT-BUTYL ETHER	N/A	N/A	N/A	ND	U	1	ND	U	100	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	200	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2
	NAPHTHALENE	N/A	N/A	30	0.57	J	1	ND	U	100	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	100	ND	U	1	ND	U	1	ND	U	1	0.332	J	1	0.263	J	1	ND	U	1
	N-PROPYLBENZENE	N/A	N/A	N/A	ND	U	1	58	J	100	ND	U	1	ND	U	1	0.663	J	1	0.991	J	1	1	N/A	1	ND	U	1
	P-ISOPROPYLTOLUENE	N/A	N/A	N/A	ND	U	1	ND	U	100	ND	U	1	ND	U	1	ND	U	1	0.455	J	1	0.773	J	1	ND	U	1
	SEC-BUTYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	100	ND	U	1	ND	U	1	0.519	J	1	0.46	J	1	1.16	N/A	1	ND	U	1
	STYRENE	N/A	N/A	100	ND	U	1	ND	U	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	100	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	100	ND	U	1	ND	U	1	0.4	J	1	ND	U	1	ND	U	1	ND	U	1
	TOLUENE	750	N/A	750	3.03	N/A	1	8250	N/A	100	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	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	100	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	100	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	200	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	100	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	XYLENES	620	N/A	10000	2.04	J	3	1260	N/A	300	ND	U	3	ND	U	3	1.05	J	3	ND	U	3	ND	U	3	ND	U	3

Table 5-1
Groundwater Analytical Results
January - March 2012

			LOCATION CODE		KAFB-10613			KAFB-10614			KAFB-10615			KAFB-10616			KAFB-10617			KAFB-10618			KAFB-10619			KAFB-10620		
			SAMPLE NO		GW0482			GW0393			GW0394			GW0395			GW0396			GW0397			GW0398			GW0399		
			SAMPLE DATE		27-Mar-12			27-Feb-12			13-Feb-12			31-Jan-12			23-Jan-12			23-Jan-12			23-Jan-12			22-Feb-12		
			SAMPLE PURPOSE		REG			REG			REG			REG			REG			REG			REG			REG		
			SAMPLE DEPTH		487-512 FT			486-511 FT			485-510 FT			475-500 FT			482-507 FT			476-501 FT			493-518 FT			482-507 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[b]	NMED Approved Background[c]	EPA MCLs[b,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
SVOCs (µg/L) Method 8270C	1,1-BIPHENYL	N/A	N/A	N/A	ND	U	5	ND	U	250	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5
	1,2-DIPHENYLHYDRAZINE	N/A	N/A	N/A	ND	U	5	ND	U	250	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5
	2,4,5-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	5	ND	U	250	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5
	2,4,6-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	5	ND	U	250	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5
	2,4-DICHLOROPHENOL	N/A	N/A	N/A	ND	U	5	ND	U	250	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5
	2,4-DIMETHYLPHENOL	N/A	N/A	N/A	ND	U	20	ND	U	1000	ND	U	19.6	ND	U	19.6	ND	U	19.2	ND	U	19.6	ND	U	19.2	ND	U	20
	2,4-DINITROPHENOL	N/A	N/A	N/A	ND	U	50	ND	U	2500	ND	U	49	ND	U	49	ND	U	48.1	ND	U	49	ND	U	48.1	ND	U	50
	2,4-DINITROTOLUENE	N/A	N/A	N/A	ND	U	5	ND	U	250	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5
	2,6-DINITROTOLUENE	N/A	N/A	N/A	ND	U	5	ND	U	250	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5
	2-CHLORONAPHTHALENE	N/A	N/A	N/A	ND	U	5	ND	U	250	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5
	2-CHLOROPHENOL	N/A	N/A	N/A	ND	U	5	ND	U	250	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5
	2-METHYLPHENOL	N/A	N/A	N/A	ND	U	5	ND	U	250	ND	U	4.9	ND	UJ	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5
	2-NITROANILINE	N/A	N/A	N/A	ND	U	20	ND	U	1000	ND	U	19.6	ND	U	19.6	ND	U	19.2	ND	U	19.6	ND	U	19.2	ND	U	20
	2-NITROPHENOL	N/A	N/A	N/A	ND	U	5	ND	U	250	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5
	3,3'-DICHLOROBENZIDINE	N/A	N/A	N/A	ND	U	5	ND	U	250	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5
	3-METHYLPHENOL AND 4-METHYLPHENOL	N/A	N/A	N/A	ND	U	5	ND	U	250	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5
	3-NITROANILINE	N/A	N/A	N/A	ND	U	20	ND	U	1000	ND	U	19.6	ND	U	19.6	ND	U	19.2	ND	U	19.6	ND	U	19.2	ND	U	20
	4,6-DINITRO-2-METHYLPHENOL	N/A	N/A	N/A	ND	U	20	ND	U	1000	ND	U	19.6	ND	U	19.6	ND	U	19.2	ND	U	19.6	ND	U	19.2	ND	U	20
	4-BROMOPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	5	ND	U	250	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5
	4-CHLORO-3-METHYLPHENOL	N/A	N/A	N/A	ND	U	5	ND	U	250	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5
	4-CHLOROANILINE	N/A	N/A	N/A	ND	U	5	ND	U	250	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5
	4-CHLOROPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	5	ND	U	250	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5
	4-NITROANILINE	N/A	N/A	N/A	ND	U	20	ND	U	1000	ND	U	19.6	ND	U	19.6	ND	U	19.2	ND	U	19.6	ND	U	19.2	ND	U	20
	4-NITROPHENOL	N/A	N/A	N/A	ND	U	20	ND	UJ	1000	ND	U	19.6	ND	U	19.6	ND	U	19.2	ND	U	19.6	ND	U	19.2	ND	U	20
	ACETOPHENONE	N/A	N/A	N/A	5.44	N/A	5	2720	N/A	250	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5
	ATRAZINE	N/A	N/A	N/A	ND	U	5	ND	U	250	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5
	BENZALDEHYDE	N/A	N/A	N/A	ND	U	5	ND	U	250	ND	U	4.9	ND	UJ	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5
	BENZIDINE	N/A	N/A	N/A	ND	U	50	ND	U	2500	ND	U	49	ND	U	49	ND	U	48.1	ND	U	49	ND	U	48.1	ND	U	50
	BENZOIC ACID	N/A	N/A	N/A	ND	U	50	ND	U	2500	ND	U	49	ND	U	49	ND	U	48.1	ND	U	49	ND	U	48.1	ND	U	50
	BIS(2-CHLOROETHOXY)METHANE	N/A	N/A	N/A	ND	U	5	ND	U	250	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5
	BIS(2-CHLOROETHYL)ETHER	N/A	N/A	N/A	ND	U	5	ND	U	250	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5
	BIS(2-CHLOROISOPROPYL)ETHER	N/A	N/A	N/A	ND	U	5	ND	U	250	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5
	BIS(2-ETHYLHEXYL)PHTHALATE	N/A	N/A	N/A	ND	U	5	ND	U	250	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5
	BUTYL BENZYL PHTHALATE	N/A	N/A	N/A	ND	U	5	ND	U	250	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5
	CAPROLACTAM	N/A	N/A	N/A	ND	UJ	5	ND	UJ	250	ND	UJ	4.9	ND	UJ	4.9	ND	UJ	4.81	ND	UJ	4.9	ND	UJ	4.81	ND	UJ	5
	CARBAZOLE	N/A	N/A	N/A	ND	U	5	ND	U	250	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5
	DIBENZOFURAN	N/A	N/A	N/A	ND	U	5	ND	U	250	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5
	DIETHYL PHTHALATE	N/A	N/A	N/A	ND	U	5	ND	U	250	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5
	DIMETHYL PHTHALATE	N/A	N/A	N/A	ND	U	5	ND	U	250	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5
	DI-N-BUTYL PHTHALATE	N/A	N/A	N/A	ND	U	5	ND	U	250	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5
	DI-N-OCTYL PHTHALATE	N/A	N/A	N/A	ND	U	5	ND	U	250	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5
	HEXACHLOROBENZENE	N/A	N/A	N/A	ND	U	5	ND	U	250	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	5	ND	U	250	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5
	HEXACHLOROCYCLOPENTADIENE	N/A	N/A	N/A	ND	U	5	ND	U	250	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5
	HEXACHLOROETHANE	N/A	N/A	N/A	ND	U	5	ND	U	250	ND	UJ	4.9	ND	UJ	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5
	ISOPHORONE	N/A	N/A	N/A	ND	U	5	ND	U	250	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5
	NITROBENZENE	N/A	N/A	N/A	ND	U	5	ND	U	250	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5
	N-NITROSO-DI-N-PROPYLAMINE	N/A	N/A	N/A	ND	U	5	ND	U	250	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5
	N-NITROSODIPHENYLAMINE	N/A	N/A	N/A	ND	U	5	ND	U	250	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5
	PENTACHLOROPHENOL	N/A	N/A	N/A	ND	U	20	ND	U	1000	ND	U	19.6	ND	U	19.6	ND	U	19.2	ND	U	19.6	ND	U	19.2	ND	U	20
	PHENOL	N/A	N/A	5	ND	U	5	ND	U	250	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5
PAHs (µg/L) Method	1-METHYL NAPHTHALENE	N/A	N/A	30	ND	U	5	ND	U	250	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5
	2-METHYL NAPHTHALENE	N/A	N/A	30	ND	U	5	ND	U	250	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5
	ACENAPHTHENE	N/A	N/A	N/A	ND	U	5	ND	U	250	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5
	ACENAPHTHYLENE	N/A	N/A	N/A	ND	U	5	ND	U	250	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5
	ANTHRACENE	N/A	N/A	N/A	ND	U	5	ND	U	250	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5
	BENZO(A)ANTHRACENE	N/A	N/A	N/A	ND	U	5	ND	U	250	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5
	BENZO(A)PYRENE	0.7	N/A	0.2	ND	U	5	ND	U	250	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5
	BENZO(B)FLUORANTHENE	N/A	N/A	N/A	ND	U	5	ND	U	250	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5
	BENZO(GHI)PERYLENE	N/A	N/A	N/A	ND	U	5	ND	U	250	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5
	BENZO(K)FLUORANTHENE	N/A	N/A	N/A	ND	U	5	ND	U	250	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5
	CHRYSENE	N/A	N/A	N/A	ND	U	5	ND	U	250	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5
	DIBENZO(A,H)ANTHRACENE	N/A	N/A	N/A	ND	U	5	ND	U	250	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5
	FLUORANTHENE	N/A	N/A	N/A	ND	U	5	ND	U	250	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5

Table 5-1
Groundwater Analytical Results
January - March 2012

			LOCATION CODE		KAFB-10613			KAFB-10614			KAFB-10615			KAFB-10616			KAFB-10617			KAFB-10618			KAFB-10619			KAFB-10620		
			SAMPLE NO		GW0482			GW0393			GW0394			GW0395			GW0396			GW0397			GW0398			GW0399		
			SAMPLE DATE		27-Mar-12			27-Feb-12			13-Feb-12			31-Jan-12			23-Jan-12			23-Jan-12			23-Jan-12			22-Feb-12		
			SAMPLE PURPOSE		REG			REG			REG			REG			REG			REG			REG			REG		
			SAMPLE DEPTH		487-512 FT			486-511 FT			485-510 FT			475-500 FT			482-507 FT			476-501 FT			493-518 FT			482-507 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[b]	NMED Approved Background[c]	EPA MCLs[b,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
PAHs (µg/L) Method 8270C (continued)	FLUORENE	N/A	N/A	N/A	ND	U	5	ND	U	250	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5
	INDENO(1,2,3-CD)PYRENE	N/A	N/A	N/A	ND	U	5	ND	U	250	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5
	NAPHTHALENE	N/A	N/A	30	ND	U	5	ND	U	250	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5
	PHENANTHRENE	N/A	N/A	N/A	ND	U	5	ND	U	250	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5
	PYRENE	N/A	N/A	N/A	ND	U	5	ND	U	250	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5
PAHs (µg/L) Method 8270C Low Detection Limit	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
Metals (mg/L) Method 6010B	CALCIUM	N/A	N/A	N/A	38.4		5	61.8		5	43.7		5	37.6		5	47.9		5	40.8		5	43.8		5	64.1		5
	IRON, DISSOLVED	1	N/A	0.3	ND	U	0.1	0.281		0.1	ND	U	0.1	ND	U	0.1	ND	U	0.1	0.129		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
	MAGNESIUM	N/A	N/A	N/A	5.63		5	8.82		5	5.33		5	5.41		5	6.5		5	6.08		5	5.9		5	9.05		5
	MANGANESE, DISSOLVED	0.2	N/A	0.05	0.00627	J	0.015	0.887		0.015	ND	U	0.015	0.0139	J	0.015	0.0704		0.015	0.735		0.015	0.125		0.015	0.0339		0.015
	POTASSIUM	N/A	N/A	N/A	2.11	J	5	2.62	J	5	2.19	J	5	2.27	J	5	2.4	J	5	2.28	J	5	2.24	J	5	2.65	J	5
	SODIUM	N/A	N/A	N/A	22.7		5	29.8		5	20.9		5	20.9		5	26.8		5	24.6		5	25.4		5	28		5
Anions (mg/L) Method E300.0	CHLORIDE	250	N/A	250	12.2		0.5	13.8		1	19.2		0.5	8.3		0.5	11.7		0.5	11.7		0.5	9.08		0.5	47		0.5
	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	0.116	J	0.3
	NITROGEN, NITRATE-NITRITE (Method E353.2)	N/A	4	N/A	ND	U	1.5	ND	U	1.5	0.252	J	1.5	ND	U	1.5	ND	U	1.5	ND	U	1.5	ND	U	1.5	0.944	J	1.5
	SULFATE	600	N/A	250	33.7		2	19.9		4	27.7		2	28.4		2	34.6		2	30.6		2	29.3		2	65.9		2
	SULFIDE, TOTAL (Method 4500S2CF)	N/A	N/A	N/A	ND	U	3.7	0.799	J	3.85	ND	U	3.45	ND	U	3.7	ND	U	3.39	0.69	J	3.45	ND	U	3.45	ND	U	3.7
Alkalinity (mg/L) Method SM2320B	ALKALINITY, BICARBONATE (AS CACO3)	N/A	N/A	N/A	116		1	186		1	106		1	105		1	124		1	114		1	113		1	104		1
	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
Field Parameters	Temperature (°C)	N/A	N/A	N/A	19.26			18.69			18.03			18.49			18.23			18.60			18.37			18.37		
	pH (S.U.)	N/A	N/A	N/A	7.75			7.38			7.80			7.88			7.80			7.81			7.81			7.47		
	Spec Cond (µS/cm2)	N/A	N/A	N/A	319.6			444.2			325.9			309.4			NR			NR			NR			476.2		
	DO (mg/L)	N/A	N/A	N/A	6.71			0.02			8.00			5.02			0.91			0.02			1.48			2.44		
	ORP (mV)	N/A	N/A	N/A	83			-222			106			139			-79			-164			-57			-7		
	Turbidity (NTU)	N/A	N/A	N/A	2.63			0.91			1.52			0.61			0.33			0.22			0.57			5.09		
	Alkalinity (mg/L as CaCO3)	N/A	N/A	N/A	116			198			128			114			132			120			120			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. The WQCC regulation for PAHs of 30 ug/L is a total of the concentrations of naphthalene, 1-methylnaphthalene, and 2-methylnapthalene.

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

d. 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 "*". Concentration exceeding standards are **BOLD.**

e. KAFB-10612 not measured during Quarter 1, 2012 due to a non-operational corroded pump.

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 low.

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 or Not available

ND = Not detected

NM = not measured due to equipment malfunction.

NR = Not recorded or reported due to operational error

R = sample data rejected due to site contamination

THIS PAGE INTENTIONALLY LEFT BLANK

Table 5-1
Groundwater Analytical Results
January - March 2012

				LOCATION CODE	KAFB-10621			KAFB-10621			KAFB-10622			KAFB-10623			KAFB-10624			KAFB-10625			KAFB-10626			KAFB-10627		
				SAMPLE NO	GW0400			GW0401			GW0402			GW0493			GW0403			GW0404			GW0405			GW0422		
				SAMPLE DATE	2-Feb-12			2-Feb-12			3-Feb-12			25-Jan-12			21-Mar-12			25-Jan-12			26-Mar-12			31-Jan-12		
				SAMPLE PURPOSE	REG			FD			REG			REG			REG			REG			REG			REG		
				SAMPLE DEPTH	458-483 FT			458-483 FT			462-487 FT			473-498 FT			481-506 FT			465-490 ft			466-486 FT			481-501 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[b]	NMED Approved Background[c]	EPA MCLs[b,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
TPH (µg/L) Method 8015B	DIESEL RANGE ORGANICS	N/A	N/A	N/A	ND	U	105	ND	U	105	ND	U	98	ND	U	98	ND	U	100	ND	U	96.2	ND	U	99	ND	UJ	100
	GASOLINE RANGE ORGANICS	N/A	N/A	N/A	ND	U	150	60.3	J	150	ND	U	150	ND	U	150	91.8	J	150	ND	U	150	ND	U	150	ND	U	150
VOCs (µg/L) Method 8260B	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
	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
	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
	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
	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
	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
	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
	1,2,3-TRICHLOROBENZENE	N/A	N/A	N/A	ND	UJ	1	ND	UJ	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
	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
	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
	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
	1,2-DIBROMOETHANE	0.1	N/A	0.05	ND	U	1	ND	U	1	0.67	J	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	0.0956	N/A	0.0283	0.103	N/A	0.0282	0.752	N/A	0.0282	ND	U	0.0284	ND	U	0.0282	0.029	N/A	0.0282	ND	U	0.0287	ND	U	0.0281
	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
	1,2-DICHLOROETHANE	10	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	0.36	J	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	ACETONE	N/A	N/A	N/A	ND	U	10	ND	U	10	ND	U	10	ND	U	10	3.97	J-	10	ND	U	10	ND	UJ	10	ND	U	10
	BENZENE	10	N/A	5	0.88	J	1	1.03	N/A	1	ND	U	1	ND	U	1	0.29	J	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	CHLOROMETHANE	N/A	N/A	N/A	ND	UJ	1	ND	UJ	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
	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
	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
	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
	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
	ETHYLBENZENE	750	N/A	700	0.351	J	1	0.336	J	1	0.25	J	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	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	2.37	N/A	1	2.4	N/A	1	1.35	N/A	1	ND	U	1	0.27	J	1	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	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
	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
	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
	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
	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
	SEC-BUTYLBENZENE	N/A	N/A	N/A	0.258	J	1	0.262	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
	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
	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
	TOLUENE	750	N/A	750	1.39	N/A	1	1.4	N/A	1	1.08	N/A	1	ND	U	1	ND	U	1	ND	U	1	0.55	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
	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
	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
	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
	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
	XYLENES	620	N/A	10000	1.54	J	3	1.44	J	3	1.3	J	3	ND	U	3	ND	U	3	ND	U	3	ND	U	3	ND	U	3

Table 5-1
Groundwater Analytical Results
January - March 2012

			LOCATION CODE		KAFB-10621			KAFB-10621			KAFB-10622			KAFB-10623			KAFB-10624			KAFB-10625			KAFB-10626			KAFB-10627		
			SAMPLE NO		GW0400			GW0401			GW0402			GW0493			GW0403			GW0404			GW0405			GW0422		
			SAMPLE DATE		2-Feb-12			2-Feb-12			3-Feb-12			25-Jan-12			21-Mar-12			25-Jan-12			26-Mar-12			31-Jan-12		
			SAMPLE PURPOSE		REG			FD			REG			REG			REG			REG			REG			REG		
			SAMPLE DEPTH		458-483 FT			458-483 FT			462-487 FT			473-498 FT			481-506 FT			465-490 ft			466-486 FT			481-501 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[b]	NMED Approved Background[c]	EPA MCLs[b,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
SVOCs (µg/L) Method 8270C	1,1-BIPHENYL	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	4.81	ND	U	4.67	ND	U	4.95	ND	U	4.81
	1,2-DIPHENYLHYDRAZINE	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	4.81	ND	U	4.67	ND	U	4.95	ND	U	4.81
	2,4,5-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	4.81	ND	U	4.67	ND	U	4.95	ND	U	4.81
	2,4,6-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	4.81	ND	U	4.67	ND	U	4.95	ND	U	4.81
	2,4-DICHLOROPHENOL	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	4.81	ND	U	4.67	ND	U	4.95	ND	U	4.81
	2,4-DIMETHYLPHENOL	N/A	N/A	N/A	ND	U	20	ND	U	20	ND	U	20	ND	U	20	ND	U	19.2	ND	U	18.7	ND	U	19.8	ND	U	19.2
	2,4-DINITROPHENOL	N/A	N/A	N/A	ND	U	50	ND	U	50	ND	U	50	ND	U	50	ND	U	48.1	ND	U	46.7	ND	U	49.5	ND	U	48.1
	2,4-DINITROTOLUENE	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	4.81	ND	U	4.67	ND	U	4.95	ND	U	4.81
	2,6-DINITROTOLUENE	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	4.81	ND	U	4.67	ND	U	4.95	ND	U	4.81
	2-CHLORONAPHTHALENE	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	4.81	ND	U	4.67	ND	U	4.95	ND	U	4.81
	2-CHLOROPHENOL	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	4.81	ND	U	4.67	ND	U	4.95	ND	U	4.81
	2-METHYLPHENOL	N/A	N/A	N/A	ND	UJ	5	ND	UJ	5	ND	U	5	ND	U	5	ND	U	4.81	ND	U	4.67	ND	U	4.95	ND	U	4.81
	2-NITROANILINE	N/A	N/A	N/A	ND	U	20	ND	U	20	ND	U	20	ND	U	20	ND	U	19.2	ND	U	18.7	ND	U	19.8	ND	U	19.2
	2-NITROPHENOL	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	4.81	ND	U	4.67	ND	U	4.95	ND	U	4.81
	3,3'-DICHLOROBENZIDINE	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	4.81	ND	U	4.67	ND	U	4.95	ND	U	4.81
	3-METHYLPHENOL AND 4-METHYLPHENOL	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	4.81	ND	U	4.67	ND	U	4.95	ND	U	4.81
	3-NITROANILINE	N/A	N/A	N/A	ND	U	20	ND	U	20	ND	U	20	ND	U	20	ND	U	19.2	ND	U	18.7	ND	U	19.8	ND	U	19.2
	4,6-DINITRO-2-METHYLPHENOL	N/A	N/A	N/A	ND	U	20	ND	U	20	ND	U	20	ND	U	20	ND	U	19.2	ND	U	18.7	ND	U	19.8	ND	U	19.2
	4-BROMOPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	4.81	ND	U	4.67	ND	U	4.95	ND	U	4.81
	4-CHLORO-3-METHYLPHENOL	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	4.81	ND	U	4.67	ND	U	4.95	ND	U	4.81
	4-CHLOROANILINE	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	4.81	ND	U	4.67	ND	U	4.95	ND	U	4.81
	4-CHLOROPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	4.81	ND	U	4.67	ND	U	4.95	ND	U	4.81
	4-NITROANILINE	N/A	N/A	N/A	ND	U	20	ND	U	20	ND	U	20	ND	U	20	ND	U	19.2	ND	U	18.7	ND	U	19.8	ND	U	19.2
	4-NITROPHENOL	N/A	N/A	N/A	ND	U	20	ND	U	20	ND	U	20	ND	U	20	ND	U	19.2	ND	U	18.7	ND	U	19.8	ND	U	19.2
	ACETOPHENONE	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	4.81	ND	U	4.67	ND	U	4.95	ND	U	4.81
	ATRAZINE	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	UJ	5	ND	U	4.81	ND	UJ	4.67	ND	U	4.95	ND	U	4.81
	BENZALDEHYDE	N/A	N/A	N/A	ND	UJ	5	ND	UJ	5	ND	U	5	ND	U	5	ND	U	4.81	ND	U	4.67	ND	U	4.95	ND	UJ	4.81
	BENZIDINE	N/A	N/A	N/A	ND	U	50	ND	U	50	ND	U	50	ND	U	50	ND	U	48.1	ND	U	46.7	ND	U	49.5	ND	U	48.1
	BENZOIC ACID	N/A	N/A	N/A	ND	U	50	ND	U	50	ND	U	50	ND	U	50	ND	U	48.1	ND	U	46.7	ND	U	49.5	ND	U	48.1
	BIS(2-CHLOROETHOXY)METHANE	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	4.81	ND	U	4.67	ND	U	4.95	ND	U	4.81
	BIS(2-CHLOROETHYL)ETHER	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	4.81	ND	U	4.67	ND	U	4.95	ND	U	4.81
	BIS(2-CHLOROISOPROPYL)ETHER	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	4.81	ND	U	4.67	ND	U	4.95	ND	U	4.81
	BIS(2-ETHYLHEXYL)PHTHALATE	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	4.81	ND	U	4.67	ND	U	4.95	ND	U	4.81
	BUTYL BENZYL PHTHALATE	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	4.81	ND	U	4.67	ND	U	4.95	ND	U	4.81
	CAPROLACTAM	N/A	N/A	N/A	ND	UJ	5	ND	UJ	5	2.13	J-	5	ND	UJ	5	ND	UJ	4.81	ND	UJ	4.67	ND	UJ	4.95	ND	UJ	4.81
	CARBAZOLE	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	4.81	ND	U	4.67	ND	U	4.95	ND	U	4.81
	DIBENZOFURAN	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	4.81	ND	U	4.67	ND	U	4.95	ND	U	4.81
	DIETHYL PHTHALATE	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	4.81	ND	U	4.67	ND	U	4.95	ND	U	4.81
	DIMETHYL PHTHALATE	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	4.81	ND	U	4.67	ND	U	4.95	ND	U	4.81
	DI-N-BUTYL PHTHALATE	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	4.81	ND	U	4.67	ND	U	4.95	ND	U	4.81
	DI-N-OCTYL PHTHALATE	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	4.81	ND	U	4.67	ND	U	4.95	ND	U	4.81
	HEXACHLOROBENZENE	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	4.81	ND	U	4.67	ND	U	4.95	ND	U	4.81
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	4.81	ND	U	4.67	ND	U	4.95	ND	U	4.81
	HEXACHLOROCYCLOPENTADIENE	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	4.81	ND	U	4.67	ND	U	4.95	ND	U	4.81
	HEXACHLOROETHANE	N/A	N/A	N/A	ND	UJ	5	ND	UJ	5	ND	U	5	ND	U	5	ND	U	4.81	ND	U	4.67	ND	U	4.95	ND	U	4.81
	ISOPHORONE	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	4.81	ND	U	4.67	ND	U	4.95	ND	U	4.81
	NITROBENZENE	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	4.81	ND	U	4.67	ND	U	4.95	ND	U	4.81
	N-NITROSO-DI-N-PROPYLAMINE	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	4.81	ND	U	4.67	ND	U	4.95	ND	U	4.81
	N-NITROSODIPHENYLAMINE	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	4.81	ND	U	4.67	ND	U	4.95	ND	U	4.81
	PENTACHLOROPHENOL	N/A	N/A	N/A	ND	U	20	ND	U	20	ND	U	20	ND	U	20	ND	U	19.2	ND	U	18.7	ND	U	19.8	ND	U	19.2
	PHENOL	N/A	N/A	5	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	4.81	ND	U	4.67	ND	U	4.95	ND	U	4.81
PAHs (µg/L) Method	1-METHYL NAPHTHALENE	N/A	N/A	30	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	4.81	ND	U	4.67	ND	U	4.95	ND	U	4.81
	2-METHYL NAPHTHALENE	N/A	N/A	30	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	4.81	ND	U	4.67	ND	U	4.95	ND	U	4.81
	ACENAPHTHENE	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	4.81	ND	U	4.67	ND	U	4.95	ND	U	4.81
	ACENAPHTHYLENE	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	4.81	ND	U	4.67	ND	U	4.95	ND	U	4.81
	ANTHRACENE	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	4.81	ND	U	4.67	ND	U	4.95	ND	U	4.81
	BENZO(A)ANTHRACENE	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	4.81	ND	U	4.67	ND	U	4.95	ND	U	4.81
	BENZO(A)PYRENE	0.7	N/A	0.2	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	4.81	ND	U	4.67	ND	U	4.95	ND	U	4.81
	BENZO(B)FLUORANTHENE	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	4.81	ND	U	4.67	ND	U	4.95	ND	U	4.81
	BENZO(GHI)PERYLENE	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	4.81	ND	U	4.67	ND	U	4.95	ND	U	4.81
	BENZO(K)FLUORANTHENE	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	4.81	ND	U	4.67	ND	U	4.95	ND	U	4.81
	CHRYSENE	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	4.81	ND	U	4.67	ND	U	4.95	ND	U	4.81
	DIBENZO(A,H)ANTHRACENE	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	4.81	ND	U	4.67	ND	U	4.95	ND	U	4.81
	FLUORANTHENE	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	4.81	ND	U	4.67	ND	U	4.95	ND	U	4.81

Table 5-1
Groundwater Analytical Results
January - March 2012

			LOCATION CODE		KAFB-10621			KAFB-10621			KAFB-10622			KAFB-10623			KAFB-10624			KAFB-10625			KAFB-10626			KAFB-10627		
			SAMPLE NO		GW0400			GW0401			GW0402			GW0493			GW0403			GW0404			GW0405			GW0422		
			SAMPLE DATE		2-Feb-12			2-Feb-12			3-Feb-12			25-Jan-12			21-Mar-12			25-Jan-12			26-Mar-12			31-Jan-12		
			SAMPLE PURPOSE		REG			FD			REG			REG			REG			REG			REG			REG		
			SAMPLE DEPTH		458-483 FT			458-483 FT			462-487 FT			473-498 FT			481-506 FT			465-490 ft			466-486 FT			481-501 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[b]	NMED Approved Background[c]	EPA MCLs[b,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
PAHs (µg/L) Method 8270C (continued)	FLUORENE	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	4.81	ND	U	4.67	ND	U	4.95	ND	U	4.81
	INDENO(1,2,3-CD)PYRENE	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	4.81	ND	U	4.67	ND	U	4.95	ND	U	4.81
	NAPHTHALENE	N/A	N/A	30	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	4.81	ND	U	4.67	ND	U	4.95	ND	U	4.81
	PHENANTHRENE	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	4.81	ND	U	4.67	ND	U	4.95	ND	U	4.81
	PYRENE	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	4.81	ND	U	4.67	ND	U	4.95	ND	U	4.81
PAHs (µg/L) Method 8270C Low Detection Limit	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
Metals (mg/L) Method 6010B	CALCIUM	N/A	N/A	N/A	82.5		5	82.1		5	47.5		5	36		5	109		5	43.2		5	71.9		5	39.5		5
	IRON, DISSOLVED	1	N/A	0.3	0.0461	J+	0.1	0.0384	J+	0.1	ND	U	0.1	ND	U	0.1	0.0531	J	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
	MAGNESIUM	N/A	N/A	N/A	11.3		5	11.1		5	6.32		5	4.68	J	5	26.5		5	5.85		5	10.3		5	5.73		5
	MANGANESE, DISSOLVED	0.2	N/A	0.05	0.255		0.015	0.217		0.015	0.0958		0.015	ND	U	0.015	1.15		0.015	0.00728	J	0.015	ND	U	0.015	ND	U	0.015
	POTASSIUM	N/A	N/A	N/A	3.44	J	5	3.32	J	5	2.41	J	5	2.06	J	5	4.16	J	5	2.51	J	5	3.22	J	5	2.2	J	5
	SODIUM	N/A	N/A	N/A	34		5	32.6		5	25.4		5	26.5		5	44.5		5	24.4		5	33.3		5	22.6		5
Anions (mg/L) Method E300.0	CHLORIDE	250	N/A	250	91.4		0.5	90.9		0.5	14.3		0.5	9.6		0.5	57.9		0.5	10.6		0.5	85.9		0.5	7.56		0.5
	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
	NITROGEN, NITRATE-NITRITE (Method E353.2)	N/A	4	N/A	1.98		1.5	1.38	J	1.5	ND	U	1.5	ND	U	1.5	ND	U	1.5	ND	U	1.5	4.2		1.5	ND	U	1.5
	SULFATE	600	N/A	250	65.7		2	65.8		2	39.7		2	28.8		2	70.6		2	42.2		2	83.6		2	27.6		2
	SULFIDE, TOTAL (Method 4500S2CF)	N/A	N/A	N/A	ND	U	3.39	ND	U	3.39	ND	U	3.39	ND	U	3.7	ND	U	3.39	0.741	J	3.7	ND	U	3.7	0.741	J	3.7
Alkalinity (mg/L) Method SM2320B	ALKALINITY, BICARBONATE (AS CACO3)	N/A	N/A	N/A	89.8		1	89		1	122		1	106		1	288		1	105		1	82.4		1	117		1
	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
Field Parameters	Temperature (°C)	N/A	N/A	N/A	18.01			18.01			18.05			17.10			19.33			18.43			19.04			18.78		
	pH (S.U.)	N/A	N/A	N/A	7.69			7.69			7.79			7.89			7.11			7.82			7.51			7.75		
	Spec Cond (µS/cm2)	N/A	N/A	N/A	654.6			654.6			369.8			302.1			838.4			297.7			572.3			322.7		
	DO (mg/L)	N/A	N/A	N/A	3.46			3.46			2.35			8.85			0.42			8.96			8.73			6.47		
	ORP (mV)	N/A	N/A	N/A	-121			-121			26			159			-114			148			NR			113		
	Turbidity (NTU)	N/A	N/A	N/A	7.03			7.03			0.97			0.41			0.42			0.37			1.12			0.64		
	Alkalinity (mg/L as CaCO3)	N/A	N/A	N/A	120			120			122			121			216			118			84			124		

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

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

d. 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 "*". Concentration exceeding standards are **BOLD.**

e. KAFB-10612 not measured during Quarter 1, 2012 due to a non-operational corroded pump.

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 low.

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 or Not available

ND = Not detected

NM = not measured due to equipment malfunction.

NR = Not recorded or reported due to operational error

R = sample data rejected due to site contamination

THIS PAGE INTENTIONALLY LEFT BLANK

Table 5-1
Groundwater Analytical Results
January - March 2012

				LOCATION CODE	KAFB-10628-510			KAFB-106029			KAFB-106030			KAFB-106031			KAFB-106032			KAFB-106033			KAFB-106034			KAFB-106035		
				SAMPLE NO	GW0445			GW0406			GW0407			GW0408			GW0409			GW0410			GW0411			GW0412		
				SAMPLE DATE	16-Feb-12			9-Feb-12			9-Feb-12			8-Feb-12			30-Jan-12			24-Jan-12			27-Jan-12			13-Feb-12		
				SAMPLE PURPOSE	REG			REG			REG			REG			REG			REG			REG			REG		
				SAMPLE DEPTH	491-511 FT			451-470 FT			470-482 FT			495-510 FT			456-475 FT			477-492 FT			502-517 FT			452-482 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[b]	NMED Approved Background[c]	EPA MCLs[b,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
TPH (µg/L) Method 8015B	DIESEL RANGE ORGANICS	N/A	N/A	N/A	9270	N/A	495	ND	U	96.2	ND	U	98	ND	U	100	ND	UJ	98	ND	U	94.3	ND	U	96.2	ND	U	100
	GASOLINE RANGE ORGANICS	N/A	N/A	N/A	2440	N/A	150	ND	U	150	51.7	J	150	ND	U	150	ND	U	150	ND	U	150	ND	U	150	ND	U	150
VOCs (µg/L) Method 8260B	1,1,1,2-TETRACHLOROETHANE	N/A	N/A	N/A	ND	U	2	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,1,1-TRICHLOROETHANE	60	N/A	60	ND	U	2	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	2	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	2	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	2	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	2	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	2	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	UJ	2	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	UJ	1	ND	U	1
	1,2,3-TRICHLOROPROPANE	N/A	N/A	N/A	ND	U	4	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	2	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	6.38	N/A	2	ND	U	1	0.4	J	1	0.31	J	1	0.908	J	1	0.901	J	1	0.643	J	1	ND	U	1
	1,2-DIBROMO-3-CHLOROPROPANE	N/A	N/A	0.2	ND	U	4	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	2.14	N/A	2	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	0.718	J	1
	1,2-DIBROMOETHANE (Method 8011)	0.1	N/A	0.05	2.5	N/A	0.142	ND	U	0.0285	ND	U	0.0285	ND	U	0.0285	ND	U	0.0279	ND	U	0.0281	ND	U	0.0287	0.62	N/A	0.0283
	1,2-DICHLOROBENZENE	N/A	N/A	600	ND	U	2	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	4.21	N/A	2	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	2	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	2.84	N/A	2	ND	U	1	ND	U	1	ND	U	1	0.357	J	1	0.343	J	1	0.276	J	1	ND	U	1
	1,3-DICHLOROBENZENE	N/A	N/A	N/A	ND	U	2	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	2	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	2	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	2	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	10.5	J	20	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	2	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	10	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	2	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	4.94	J	10	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	165	N/A	20	ND	U	10	2.8	J	10	ND	UJ	10	ND	U	10	3.32	J+	10	6.35	J	10	ND	U	10
	BENZENE	10	N/A	5	59.9	N/A	2	ND	U	1	ND	U	1	ND	U	1	0.267	J	1	ND	U	1	0.275	J	1	ND	U	1
	BROMOBENZENE	N/A	N/A	N/A	ND	U	2	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	2	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	2	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	2	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	4	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	0.797	J	2	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	2	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	2	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	4	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	2	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	2	ND	U	1	ND	U	1	ND	UJ	1	ND	U	1	ND	U	1	ND	UJ	1	ND	U	1
	CIS-1,2-DICHLOROETHENE	N/A	N/A	70	ND	U	2	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	2	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	2	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	2	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	4	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	17.9	N/A	2	0.26	J	1	0.48	J	1	0.27	J	1	0.937	J	1	0.818	J	1	0.696	J	1	ND	U	1
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	UJ	2	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	UJ	1	ND	U	1
	ISOPROPYLBENZENE	N/A	N/A	N/A	16.2	N/A	2	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	1.09	J	2	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	4	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	2.36	N/A	2	ND	U	1	ND	U	1	ND	U	1	ND	U	1	0.32	J	1	ND	U	1	ND	U	1
	N-BUTYLBENZENE	N/A	N/A	N/A	0.865	J	2	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	7.49	N/A	2	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	3.23	N/A	2	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	1.68	J	2	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	2	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	2	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	2	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	92.3	N/A	2	1.39	N/A	1	2.16	N/A	1	1.63	N/A	1	4.24	N/A	1	3.03	N/A	1	4.47	N/A	1	ND	U	1
	TRANS-1,2-DICHLOROETHENE	N/A	N/A	100	ND	U	2	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	2	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	2	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	4	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	2	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	40.8	N/A	6	1.31	J	3	2.71	J	3	1.61	J	3	4.93	N/A	3	3.99	N/A	3	3.97	N/A	3	ND	U	3

Table 5-1
Groundwater Analytical Results
January - March 2012

			LOCATION CODE		KAFB-10628-510			KAFB-106029			KAFB-106030			KAFB-106031			KAFB-106032			KAFB-106033			KAFB-106034			KAFB-106035		
			SAMPLE NO		GW0445			GW0406			GW0407			GW0408			GW0409			GW0410			GW0411			GW0412		
			SAMPLE DATE		16-Feb-12			9-Feb-12			9-Feb-12			8-Feb-12			30-Jan-12			24-Jan-12			27-Jan-12			13-Feb-12		
			SAMPLE PURPOSE		REG			REG			REG			REG			REG			REG			REG			REG		
			SAMPLE DEPTH		491-511 FT			451-470 FT			470-482 FT			495-510 FT			456-475 FT			477-492 FT			502-517 FT			452-482 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[b]	NMED Approved Background[c]	EPA MCLs[b,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
SVOCs (µg/L) Method 8270C	1,1-BIPHENYL	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	5
	1,2-DIPHENYLHYDRAZINE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	5
	2,4,5-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	5
	2,4,6-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	5
	2,4-DICHLOROPHENOL	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	5
	2,4-DIMETHYLPHENOL	N/A	N/A	N/A	ND	U	20	ND	U	19.6	ND	U	19.2	ND	U	20	ND	U	18.9	ND	U	20	ND	U	19.6	ND	U	20
	2,4-DINITROPHENOL	N/A	N/A	N/A	ND	U	50	ND	U	49	ND	U	48.1	ND	U	50	ND	U	47.2	ND	U	50	ND	U	49	ND	U	50
	2,4-DINITROTOLUENE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	5
	2,6-DINITROTOLUENE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	5
	2-CHLORONAPHTHALENE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	5
	2-CHLOROPHENOL	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	5
	2-METHYLPHENOL	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	5
	2-NITROANILINE	N/A	N/A	N/A	ND	U	20	ND	U	19.6	ND	U	19.2	ND	U	20	ND	U	18.9	ND	U	20	ND	U	19.6	ND	U	20
	2-NITROPHENOL	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	5
	3,3'-DICHLOROBENZIDINE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	5
	3-METHYLPHENOL AND 4-METHYLPHENOL	N/A	N/A	N/A	ND	UJ	5	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	5
	3-NITROANILINE	N/A	N/A	N/A	ND	U	20	ND	U	19.6	ND	U	19.2	ND	U	20	ND	U	18.9	ND	U	20	ND	U	19.6	ND	U	20
	4,6-DINITRO-2-METHYLPHENOL	N/A	N/A	N/A	ND	U	20	ND	U	19.6	ND	U	19.2	ND	U	20	ND	U	18.9	ND	U	20	ND	U	19.6	ND	U	20
	4-BROMOPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	5
	4-CHLORO-3-METHYLPHENOL	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	5
	4-CHLOROANILINE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	5
	4-CHLOROPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	5
	4-NITROANILINE	N/A	N/A	N/A	ND	U	20	ND	U	19.6	ND	U	19.2	ND	U	20	ND	U	18.9	ND	U	20	ND	U	19.6	ND	U	20
	4-NITROPHENOL	N/A	N/A	N/A	ND	U	20	ND	U	19.6	ND	U	19.2	ND	U	20	ND	U	18.9	ND	U	20	ND	U	19.6	ND	U	20
	ACETOPHENONE	N/A	N/A	N/A	27.9	N/A	5	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	5
	ATRAZINE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	4.72	ND	UJ	5	ND	U	4.9	ND	U	5
	BENZALDEHYDE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	5	ND	UJ	4.72	ND	U	5	ND	UJ	4.9	ND	U	5
	BENZIDINE	N/A	N/A	N/A	ND	U	50	ND	U	49	ND	U	48.1	ND	U	50	ND	U	47.2	ND	U	50	ND	U	49	ND	U	50
	BENZOIC ACID	N/A	N/A	N/A	ND	U	50	ND	U	49	ND	U	48.1	ND	U	50	ND	U	47.2	ND	U	50	ND	U	49	ND	U	50
	BIS(2-CHLOROETHOXY)METHANE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	5
	BIS(2-CHLOROETHYL)ETHER	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	5
	BIS(2-CHLOROISOPROPYL)ETHER	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	5
	BIS(2-ETHYLHEXYL)PHTHALATE	N/A	N/A	N/A	3.32	J	5	ND	U	4.9	2.08	J	4.81	4.46	J	5	ND	U	4.72	ND	U	5	2.45	J+	4.9	ND	U	5
	BUTYL BENZYL PHTHALATE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	5
	CAPROLACTAM	N/A	N/A	N/A	ND	UJ	5	ND	UJ	4.9	ND	UJ	4.81	ND	UJ	5	ND	UJ	4.72	ND	UJ	5	ND	UJ	4.9	ND	UJ	5
	CARBAZOLE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	5
	DIBENZOFURAN	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	5
	DIETHYL PHTHALATE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	5
	DIMETHYL PHTHALATE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	5
	DI-N-BUTYL PHTHALATE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	5
	DI-N-OCTYL PHTHALATE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	5
	HEXACHLOROBENZENE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	5
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	5
	HEXACHLOROCYCLOPENTADIENE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	5
	HEXACHLOROETHANE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	4.81	ND	UJ	5	ND	U	4.72	ND	U	5	ND	U	4.9	ND	UJ	5
	ISOPHORONE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	5
	NITROBENZENE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	5
	N-NITROSO-DI-N-PROPYLAMINE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	5
	N-NITROSODIPHENYLAMINE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	5
	PENTACHLOROPHENOL	N/A	N/A	N/A	ND	U	20	ND	U	19.6	ND	U	19.2	ND	U	20	ND	U	18.9	ND	U	20	ND	U	19.6	ND	U	20
	PHENOL	N/A	N/A	5	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	5
PAHs (µg/L) Method	1-METHYL NAPHTHALENE	N/A	N/A	30	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	5
	2-METHYL NAPHTHALENE	N/A	N/A	30	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	5
	ACENAPHTHENE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	5
	ACENAPHTHYLENE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	5
	ANTHRACENE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	5
	BENZO(A)ANTHRACENE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	5
	BENZO(A)PYRENE	0.7	N/A	0.2	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	5
	BENZO(B)FLUORANTHENE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	5
	BENZO(GHI)PERYLENE	N/A	N/A	N/A	ND	UJ	5	ND	U	4.9	ND	UJ	4.81	ND	U	5	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	5
	BENZO(K)FLUORANTHENE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	5
	CHRYSENE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	5
	DIBENZO(A,H)ANTHRACENE	N/A	N/A	N/A	ND	UJ	5	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	5
	FLUORANTHENE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	5

Table 5-1
Groundwater Analytical Results
January - March 2012

			LOCATION CODE		KAFB-10628-510			KAFB-106029			KAFB-106030			KAFB-106031			KAFB-106032			KAFB-106033			KAFB-106034			KAFB-106035		
			SAMPLE NO		GW0445			GW0406			GW0407			GW0408			GW0409			GW0410			GW0411			GW0412		
			SAMPLE DATE		16-Feb-12			9-Feb-12			9-Feb-12			8-Feb-12			30-Jan-12			24-Jan-12			27-Jan-12			13-Feb-12		
			SAMPLE PURPOSE		REG			REG			REG			REG			REG			REG			REG			REG		
			SAMPLE DEPTH		491-511 FT			451-470 FT			470-482 FT			495-510 FT			456-475 FT			477-492 FT			502-517 FT			452-482 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[b]	NMED Approved Background[c]	EPA MCLs[b,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
PAHs (µg/L) Method 8270C (continued)	FLUORENE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	5
	INDENO(1,2,3-CD)PYRENE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	5
	NAPHTHALENE	N/A	N/A	30	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	5
	PHENANTHRENE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	5
	PYRENE	N/A	N/A	N/A	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	5
PAHs (µg/L) Method 8270C Low Detection Limit	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
Metals (mg/L) Method 6010B	CALCIUM	N/A	N/A	N/A	84.5		5	92.5		5	70.6		5	58.9		5	49		5	95.3		5	81.4		5	58.3		5
	IRON, DISSOLVED	1	N/A	0.3	0.285		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
	MAGNESIUM	N/A	N/A	N/A	11.6		5	12.1		5	9.33		5	7.97		5	6.97		5	13.8		5	11		5	7.62		5
	MANGANESE, DISSOLVED	0.2	N/A	0.05	1.09		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	3.06	J	5	3.31	J	5	3.02	J	5	2.83	J	5	2.46	J	5	3.38	J	5	3.21	J	5	2.55	J	5
	SODIUM	N/A	N/A	N/A	32.3		5	30.4		5	27.6		5	25.3		5	22.6		5	32.1		5	31.9		5	30.3		5
Anions (mg/L) Method E300.0	CHLORIDE	250	N/A	250	65.1		0.5	97.3		0.5	72.3		0.5	49.2		0.5	25.7		0.5	81.7		0.5	81.8		0.5	38		0.5
	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
	NITROGEN, NITRATE-NITRITE (Method E353.2)	N/A	4	N/A	ND	U	1.5	2.3		1.5	2.05		1.5	1.52		1.5	0.522	J	1.5	2.74		1.5	2.49		1.5	0.544	J	1.5
	SULFATE	600	N/A	250	40.8		2	92.2		2	64.8		2	56.8		2	55.7		2	130		2	114		2	62.7		2
	SULFIDE, TOTAL (Method 4500S2CF)	N/A	N/A	N/A	ND	U	3.7	0.69	J	3.45	ND	U	3.39	ND	U	3.39	0.685	J	3.39	ND	U	3.45	0.698	J	3.39	ND	U	3.7
Alkalinity (mg/L) Method SM2320B	ALKALINITY, BICARBONATE (AS CACO3)	N/A	N/A	N/A	176		1	81.9		1	79.5		1	85.8		1	87.4		1	90.2		1	80.3		1	116		1
	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
Field Parameters	Temperature (°C)	N/A	N/A	N/A	17.37			18.26			18.14			18.12			18.84			18.56			18.49			18.37		
	pH (S.U.)	N/A	N/A	N/A	7.63			7.76			7.83			7.22			7.88			7.65			7.66			7.69		
	Spec Cond (µS/cm2)	N/A	N/A	N/A	590.1			678.9			559.6			465.3			378.3			714.8			691.3			465.4		
	DO (mg/L)	N/A	N/A	N/A	1.97			9.23			10.64			14.20			8.32			9.72			11.77			9.00		
	ORP (mV)	N/A	N/A	N/A	-229			156			170			154			191			158			179			96		
	Turbidity (NTU)	N/A	N/A	N/A	4.14			0.82			0.77			1.17			1.58			0.65			1.24			0.34		
	Alkalinity (mg/L as CaCO3)	N/A	N/A	N/A	190			86			80			102			92			116			112			142		

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

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

d. 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 "*". Concentration exceeding standards are **BOLD.**

e. KAFB-10612 not measured during Quarter 1, 2012 due to a non-operational corroded pump.

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 low.

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 or Not available

ND = Not detected

NM = not measured due to equipment malfunction.

NR = Not recorded or reported due to operational error

R = sample data rejected due to site contamination

THIS PAGE INTENTIONALLY LEFT BLANK

Table 5-1
Groundwater Analytical Results
January - March 2012

				LOCATION CODE	KAFB-106036			KAFB-106037			KAFB-106038			KAFB-106039			KAFB-106040			KAFB-106042			KAFB-106043			KAFB-106043		
				SAMPLE NO	GW0413			GW0414			GW0415			GW0416			GW0417			GW0419			GW0420			GW0421		
				SAMPLE DATE	13-Feb-12			13-Feb-12			9-Feb-12			9-Feb-12			9-Feb-12			2-Feb-12			2-Feb-12			2-Feb-12		
				SAMPLE PURPOSE	REG			REG			REG			REG			REG			REG			REG			FD		
				SAMPLE DEPTH	482-497 FT			507-522 FT			478-508 FT			508-523 FT			531-546 FT			469-484 FT			543-558 FT			543-558 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[b]	NMED Approved Background[c]	EPA MCLs[b,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
TPH (µg/L) Method 8015B	DIESEL RANGE ORGANICS	N/A	N/A	N/A	ND	U	100	ND	U	100	ND	U	98	ND	U	98	ND	U	98	140	N/A	97.1	ND	U	105	ND	U	105
	GASOLINE RANGE ORGANICS	N/A	N/A	N/A	ND	U	150	ND	U	150	ND	U	150	ND	U	150	ND	U	150	119	J	150	ND	U	150	ND	U	150
VOCs (µg/L) Method 8260B	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
	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
	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
	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
	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
	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
	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
	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	UJ	1	ND	UJ	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
	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
	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
	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
	1,2-DIBROMOETHANE	0.1	N/A	0.05	0.414	J	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	0.64	J	1	ND	U	1	ND	U	1
	1,2-DIBROMOETHANE (Method 8011)	0.1	N/A	0.05	0.411	N/A	0.0284	0.182	N/A	0.028	ND	U	0.0283	ND	U	0.0283	ND	U	0.0284	0.676	N/A	0.0281	ND	U	0.0283	ND	U	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
	1,2-DICHLOROETHANE	10	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	0.6	J	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	ACETONE	N/A	N/A	N/A	ND	U	10	ND	U	10	ND	U	10	ND	U	10	ND	U	10	2.78	J	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	CHLOROFORM	100	N/A	100	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	0.334	J	1	0.326	J	1
	CHLOROMETHANE	N/A	N/A	N/A	0.369	J	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	UJ	1	ND	UJ	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
	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
	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
	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
	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
	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
	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	UJ	1	ND	UJ	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
	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	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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

Table 5-1
Groundwater Analytical Results
January - March 2012

			LOCATION CODE		KAFB-106036			KAFB-106037			KAFB-106038			KAFB-106039			KAFB-106040			KAFB-106042			KAFB-106043			KAFB-106043		
			SAMPLE NO		GW0413			GW0414			GW0415			GW0416			GW0417			GW0419			GW0420			GW0421		
			SAMPLE DATE		13-Feb-12			13-Feb-12			9-Feb-12			9-Feb-12			9-Feb-12			2-Feb-12			2-Feb-12			2-Feb-12		
			SAMPLE PURPOSE		REG			REG			REG			REG			REG			REG			REG			FD		
			SAMPLE DEPTH		482-497 FT			507-522 FT			478-508 FT			508-523 FT			531-546 FT			469-484 FT			543-558 FT			543-558 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[b]	NMED Approved Background[c]	EPA MCLs[b,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
SVOCs (µg/L) Method 8270C	1,1-BIPHENYL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	5	ND	U	5
	1,2-DIPHENYLHYDRAZINE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	5	ND	U	5
	2,4,5-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	5	ND	U	5
	2,4,6-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	5	ND	U	5
	2,4-DICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	5	ND	U	5
	2,4-DIMETHYLPHENOL	N/A	N/A	N/A	ND	U	19.6	ND	U	19.6	ND	U	19.2	ND	U	19.6	ND	U	19.6	ND	U	20	ND	U	20	ND	U	20
	2,4-DINITROPHENOL	N/A	N/A	N/A	ND	U	49	ND	U	49	ND	U	48.1	ND	U	49	ND	U	49	ND	U	50	ND	U	50	ND	U	50
	2,4-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	5	ND	U	5
	2,6-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	5	ND	U	5
	2-CHLORONAPHTHALENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	5	ND	U	5
	2-CHLOROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	5	ND	U	5
	2-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	UJ	5	ND	UJ	5
	2-NITROANILINE	N/A	N/A	N/A	ND	U	19.6	ND	U	19.6	ND	U	19.2	ND	U	19.6	ND	U	19.6	ND	U	20	ND	U	20	ND	U	20
	2-NITROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	5	ND	U	5
	3,3'-DICHLOROBENZIDINE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	5	ND	U	5
	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	4.9	ND	U	4.9	ND	U	5	ND	U	5	ND	U	5
	3-NITROANILINE	N/A	N/A	N/A	ND	U	19.6	ND	U	19.6	ND	U	19.2	ND	U	19.6	ND	U	19.6	ND	U	20	ND	U	20	ND	U	20
	4,6-DINITRO-2-METHYLPHENOL	N/A	N/A	N/A	ND	U	19.6	ND	U	19.6	ND	U	19.2	ND	U	19.6	ND	U	19.6	ND	U	20	ND	U	20	ND	U	20
	4-BROMOPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	5	ND	U	5
	4-CHLORO-3-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	5	ND	U	5
	4-CHLOROANILINE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	5	ND	U	5
	4-CHLOROPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	5	ND	U	5
	4-NITROANILINE	N/A	N/A	N/A	ND	U	19.6	ND	U	19.6	ND	U	19.2	ND	U	19.6	ND	U	19.6	ND	U	20	ND	U	20	ND	U	20
	4-NITROPHENOL	N/A	N/A	N/A	ND	U	19.6	ND	U	19.6	ND	U	19.2	ND	U	19.6	ND	U	19.6	ND	U	20	ND	U	20	ND	U	20
	ACETOPHENONE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	5	ND	U	5
	ATRAZINE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	5	ND	U	5
	BENZALDEHYDE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	UJ	5	ND	UJ	5
	BENZIDINE	N/A	N/A	N/A	ND	U	49	ND	U	49	ND	U	48.1	ND	U	49	ND	U	49	ND	U	50	ND	U	50	ND	U	50
	BENZOIC ACID	N/A	N/A	N/A	ND	U	49	ND	U	49	ND	U	48.1	ND	U	49	ND	U	49	ND	U	50	ND	U	50	ND	U	50
	BIS(2-CHLOROETHOXY)METHANE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	5	ND	U	5
	BIS(2-CHLOROETHYL)ETHER	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	5	ND	U	5
	BIS(2-CHLOROISOPROPYL)ETHER	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	5	ND	U	5
	BIS(2-ETHYLHEXYL)PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	5	ND	U	5
	BUTYL BENZYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	5	ND	U	5
	CAPROLACTAM	N/A	N/A	N/A	ND	UJ	4.9	ND	UJ	4.9	ND	UJ	4.81	ND	UJ	4.9	ND	UJ	4.9	ND	UJ	5	ND	UJ	5	ND	UJ	5
	CARBAZOLE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	5	ND	U	5
	DIBENZOFURAN	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	5	ND	U	5
	DIETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	5	ND	U	5
	DIMETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	5	ND	U	5
	DI-N-BUTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	5	ND	U	5
	DI-N-OCTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	5	ND	U	5
	HEXACHLOROBENZENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	5	ND	U	5
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	5	ND	U	5
	HEXACHLOROCYCLOPENTADIENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	5	ND	U	5
	HEXACHLOROETHANE	N/A	N/A	N/A	ND	UJ	4.9	ND	UJ	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	UJ	5	ND	UJ	5
	ISOPHORONE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	5	ND	U	5
	NITROBENZENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	5	ND	U	5
	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	4.9	ND	U	4.9	ND	U	5	ND	U	5	ND	U	5
	N-NITROSODIPHENYLAMINE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	5	ND	U	5
	PENTACHLOROPHENOL	N/A	N/A	N/A	ND	U	19.6	ND	U	19.6	ND	U	19.2	ND	U	19.6	ND	U	19.6	ND	U	20	ND	U	20	ND	U	20
	PHENOL	N/A	N/A	5	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	5	ND	U	5
PAHs (µg/L) Method	1-METHYL NAPHTHALENE	N/A	N/A	30	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	5	ND	U	5
	2-METHYL NAPHTHALENE	N/A	N/A	30	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	5	ND	U	5
	ACENAPHTHENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	5	ND	U	5
	ACENAPHTHYLENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	5	ND	U	5
	ANTHRACENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	5	ND	U	5
	BENZO(A)ANTHRACENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	5	ND	U	5
	BENZO(A)PYRENE	0.7	N/A	0.2	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	5	ND	U	5
	BENZO(B)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	5	ND	U	5
	BENZO(GHI)PERYLENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	UJ	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	5	ND	U	5
	BENZO(K)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	5	ND	U	5
	CHRYSENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	5	ND	U	5
	DIBENZO(A,H)ANTHRACENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	5	ND	U	5
	FLUORANTHENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	5	ND	U	5

Table 5-1
Groundwater Analytical Results
January - March 2012

			LOCATION CODE		KAFB-106036			KAFB-106037			KAFB-106038			KAFB-106039			KAFB-106040			KAFB-106042			KAFB-106043			KAFB-106043		
			SAMPLE NO		GW0413			GW0414			GW0415			GW0416			GW0417			GW0419			GW0420			GW0421		
			SAMPLE DATE		13-Feb-12			13-Feb-12			9-Feb-12			9-Feb-12			9-Feb-12			2-Feb-12			2-Feb-12			2-Feb-12		
			SAMPLE PURPOSE		REG			REG			REG			REG			REG			REG			REG			FD		
			SAMPLE DEPTH		482-497 FT			507-522 FT			478-508 FT			508-523 FT			531-546 FT			469-484 FT			543-558 FT			543-558 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[b]	NMED Approved Background[c]	EPA MCLs[b,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
PAHs (µg/L) Method 8270C (continued)	FLUORENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	5	ND	U	5
	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	4.9	ND	U	4.9	ND	U	5	ND	U	5	ND	U	5
	NAPHTHALENE	N/A	N/A	30	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	5	ND	U	5
	PHENANTHRENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	5	ND	U	5
	PYRENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	5	ND	U	5
PAHs (µg/L) Method 8270C Low Detection Limit	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
Metals (mg/L) Method 6010B	CALCIUM	N/A	N/A	N/A	67.6		5	42.3		5	41		5	38		5	35.6		5	62.5		5	46.4		5	45.8		5
	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
	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
	MAGNESIUM	N/A	N/A	N/A	8.73		5	5.56		5	5.43		5	4.81	J	5	4.65	J	5	8.15		5	6		5	6.02		5
	MANGANESE, DISSOLVED	0.2	N/A	0.05	0.00322	J	0.015	ND	U	0.015	0.011	J	0.015	0.00624	J	0.015	0.00444	J	0.015	ND	U	0.015	ND	U	0.015	ND	U	0.015
	POTASSIUM	N/A	N/A	N/A	2.83	J	5	2.26	J	5	2.38	J	5	2.33	J	5	2.2	J	5	3.12	J	5	2.52	J	5	2.57	J	5
	SODIUM	N/A	N/A	N/A	31.6		5	25.1		5	24.8		5	22.9		5	23.2		5	28.3		5	24.2		5	24.8		5
Anions (mg/L) Method E300.0	CHLORIDE	250	N/A	250	43.7		0.5	15.9		0.5	13.8		0.5	8.54		0.5	8.46		0.5	38.5		0.5	18		0.5	18.1		0.5
	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
	NITROGEN, NITRATE-NITRITE (Method E353.2)	N/A	4	N/A	0.76	J	1.5	ND	U	1.5	ND	U	1.5	ND	U	1.5	ND	U	1.5	ND	U	1.5	0.256	J	1.5	ND	U	1.5
	SULFATE	600	N/A	250	70.9		2	42.6		2	32.2		2	28.5		2	29		2	51.5		2	48.5		2	48.4		2
	SULFIDE, TOTAL (Method 4500S2CF)	N/A	N/A	N/A	ND	U	3.7	ND	U	3.7	ND	U	3.45	ND	U	3.45	0.69	J	3.45	ND	U	3.7	ND	U	3.7	ND	U	3.7
Alkalinity (mg/L) Method SM2320B	ALKALINITY, BICARBONATE (AS CACO3)	N/A	N/A	N/A	124		1	111		1	105		1	108		1	148		1	126		1	108		1	105		1
	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
Field Parameters	Temperature (°C)	N/A	N/A	N/A	15.92			17.53			17.80			17.88			17.87			18.28			18.40			18.40		
	pH (S.U.)	N/A	N/A	N/A	7.76			7.83			7.80			7.75			7.76			7.52			7.72			7.72		
	Spec Cond (µS/cm2)	N/A	N/A	N/A	499.8			338.1			338.0			305.0			304.7			486.1			371.2			371.2		
	DO (mg/L)	N/A	N/A	N/A	8.20			10.55			9.24			8.51			NR			7.30			9.35			9.35		
	ORP (mV)	N/A	N/A	N/A	101			137			119			156			175			74			143			143		
	Turbidity (NTU)	N/A	N/A	N/A	2.28			0.45			0.63			0.20			0.59			0.65			0.42			0.42		
	Alkalinity (mg/L as CaCO3)	N/A	N/A	N/A	140			132			128			108			124			124			112			112		

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

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

d. 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 "*". Concentration exceeding standards are **BOLD.**

e. KAFB-10612 not measured during Quarter 1, 2012 due to a non-operational corroded pump.

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 low.

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 or Not available

ND = Not detected

NM = not measured due to equipment malfunction.

NR = Not recorded or reported due to operational error

R = sample data rejected due to site contamination

THIS PAGE INTENTIONALLY LEFT BLANK

Table 5-1
Groundwater Analytical Results
January - March 2012

				LOCATION CODE	KAFB-106044			KAFB-106045			KAFB-106046			KAFB-106047			KAFB-106048			KAFB-106049			KAFB-106050			KAFB-106051		
				SAMPLE NO	GW0423			GW0424			GW0425			GW0426			GW0427			GW0428			GW0429			GW0430		
				SAMPLE DATE	31-Jan-12			30-Jan-12			8-Feb-12			8-Feb-12			8-Feb-12			24-Jan-12			25-Jan-12			24-Jan-12		
				SAMPLE PURPOSE	REG			REG			REG			REG			REG			REG			REG			REG		
				SAMPLE DEPTH	504-519 FT			528-543 FT			490-510 FT			512-527 FT			536-551 FT			456-477 FT			476-489 FT			502-516 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[b]	NMED Approved Background[c]	EPA MCLs[b,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
TPH (µg/L) Method 8015B	DIESEL RANGE ORGANICS	N/A	N/A	N/A	ND	UJ	98	ND	UJ	96.2	ND	U	98	ND	U	100	ND	U	100	ND	U	94.3	ND	U	100	ND	U	96.2
	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
VOCs (µg/L) Method 8260B	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	1,2-DIBROMOETHANE (Method 8011)	0.1	N/A	0.05	ND	U	0.0281	ND	U	0.0282	ND	U	0.0283	ND	U	0.0285	ND	U	0.0285	ND	U	0.0282	ND	U	0.0286	ND	U	0.0279
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	ACETONE	N/A	N/A	N/A	ND	U	10	ND	U	10	ND	U	10	ND	UJ	10	ND	UJ	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
	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
	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
	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
	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
	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	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
	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
	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
	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
	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
	CHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	UJ	1	ND	UJ	1	ND	UJ	1	ND	U	1	ND	UJ	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
	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
	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
	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
	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
	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
	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
	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
	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	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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

Table 5-1
Groundwater Analytical Results
January - March 2012

			LOCATION CODE		KAFB-106044			KAFB-106045			KAFB-106046			KAFB-106047			KAFB-106048			KAFB-106049			KAFB-106050			KAFB-106051		
			SAMPLE NO		GW0423			GW0424			GW0425			GW0426			GW0427			GW0428			GW0429			GW0430		
			SAMPLE DATE		31-Jan-12			30-Jan-12			8-Feb-12			8-Feb-12			8-Feb-12			24-Jan-12			25-Jan-12			24-Jan-12		
			SAMPLE PURPOSE		REG			REG			REG			REG			REG			REG			REG			REG		
			SAMPLE DEPTH		504-519 FT			528-543 FT			490-510 FT			512-527 FT			536-551 FT			456-477 FT			476-489 FT			502-516 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[b]	NMED Approved Background[c]	EPA MCLs[b,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
SVOCs (µg/L) Method 8270C	1,1-BIPHENYL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.81
	1,2-DIPHENYLHYDRAZINE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	UJ	4.72	ND	UJ	5	ND	UJ	5	ND	U	4.9	ND	U	4.9	ND	U	4.81
	2,4,5-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	5	ND	UJ	4.9	ND	U	4.9	ND	U	4.81
	2,4,6-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	5	ND	UJ	4.9	ND	U	4.9	ND	U	4.81
	2,4-DICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	5	ND	UJ	4.9	ND	U	4.9	ND	U	4.81
	2,4-DIMETHYLPHENOL	N/A	N/A	N/A	ND	U	19.6	ND	U	19.2	ND	U	18.9	ND	U	20	ND	U	20	ND	UJ	19.6	ND	U	19.6	ND	U	19.2
	2,4-DINITROPHENOL	N/A	N/A	N/A	ND	U	49	ND	U	48.1	ND	U	47.2	ND	U	50	ND	U	50	ND	UJ	49	ND	U	49	ND	U	48.1
	2,4-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.81
	2,6-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.81
	2-CHLORONAPHTHALENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.81
	2-CHLOROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	5	ND	UJ	4.9	ND	U	4.9	ND	U	4.81
	2-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	5	ND	UJ	4.9	ND	U	4.9	ND	U	4.81
	2-NITROANILINE	N/A	N/A	N/A	ND	U	19.6	ND	U	19.2	ND	U	18.9	ND	U	20	ND	U	20	ND	U	19.6	ND	U	19.6	ND	U	19.2
	2-NITROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	5	ND	UJ	4.9	ND	U	4.9	ND	U	4.81
	3,3'-DICHLOROBENZIDINE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.81
	3-METHYLPHENOL AND 4-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	5	ND	UJ	4.9	ND	U	4.9	ND	U	4.81
	3-NITROANILINE	N/A	N/A	N/A	ND	U	19.6	ND	U	19.2	ND	U	18.9	ND	U	20	ND	U	20	ND	U	19.6	ND	U	19.6	ND	U	19.2
	4,6-DINITRO-2-METHYLPHENOL	N/A	N/A	N/A	ND	U	19.6	ND	U	19.2	ND	U	18.9	ND	U	20	ND	U	20	ND	UJ	19.6	ND	U	19.6	ND	U	19.2
	4-BROMOPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.81
	4-CHLORO-3-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	5	ND	UJ	4.9	ND	U	4.9	ND	U	4.81
	4-CHLOROANILINE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.81
	4-CHLOROPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.81
	4-NITROANILINE	N/A	N/A	N/A	ND	U	19.6	ND	U	19.2	ND	U	18.9	ND	U	20	ND	U	20	ND	U	19.6	ND	U	19.6	ND	U	19.2
	4-NITROPHENOL	N/A	N/A	N/A	ND	U	19.6	ND	U	19.2	ND	U	18.9	ND	U	20	ND	U	20	ND	UJ	19.6	ND	U	19.6	ND	U	19.2
	ACETOPHENONE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.81
	ATRAZINE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	5	ND	U	4.9	ND	UJ	4.9	ND	UJ	4.81
	BENZALDEHYDE	N/A	N/A	N/A	ND	UJ	4.9	ND	UJ	4.81	ND	UJ	4.72	ND	UJ	5	ND	UJ	5	ND	U	4.9	ND	U	4.9	ND	U	4.81
	BENZIDINE	N/A	N/A	N/A	ND	U	49	ND	U	48.1	ND	U	47.2	ND	U	50	ND	U	50	ND	U	49	ND	U	49	ND	U	48.1
	BENZOIC ACID	N/A	N/A	N/A	ND	U	49	ND	U	48.1	ND	U	47.2	ND	U	50	ND	U	50	ND	UJ	49	ND	U	49	ND	U	48.1
	BIS(2-CHLOROETHOXY)METHANE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.81
	BIS(2-CHLOROETHYL)ETHER	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.81
	BIS(2-CHLOROISOPROPYL)ETHER	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.81
	BIS(2-ETHYLHEXYL)PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.81
	BUTYL BENZYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.81
	CAPROLACTAM	N/A	N/A	N/A	ND	UJ	4.9	ND	UJ	4.81	ND	UJ	4.72	ND	UJ	5	ND	UJ	5	ND	UJ	4.9	ND	UJ	4.9	ND	UJ	4.81
	CARBAZOLE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.81
	DIBENZOFURAN	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.81
	DIETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.81
	DIMETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.81
	DI-N-BUTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.81
	DI-N-OCTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.81
	HEXACHLOROBENZENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.81
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.81
	HEXACHLOROCYCLOPENTADIENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.81
	HEXACHLOROETHANE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	UJ	4.72	ND	UJ	5	ND	UJ	5	ND	U	4.9	ND	U	4.9	ND	U	4.81
	ISOPHORONE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.81
	NITROBENZENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	UJ	4.72	ND	UJ	5	ND	UJ	5	ND	U	4.9	ND	U	4.9	ND	U	4.81
	N-NITROSO-DI-N-PROPYLAMINE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.81
	N-NITROSODIPHENYLAMINE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.81
	PENTACHLOROPHENOL	N/A	N/A	N/A	ND	U	19.6	ND	U	19.2	ND	U	18.9	ND	U	20	ND	U	20	ND	UJ	19.6	ND	U	19.6	ND	U	19.2
	PHENOL	N/A	N/A	5	ND	U	4.9	ND	U	4.81	ND	UJ	4.72	ND	UJ	5	ND	UJ	5	ND	UJ	4.9	ND	U	4.9	ND	U	4.81
PAHs (µg/L) Method	1-METHYL NAPHTHALENE	N/A	N/A	30	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.81
	2-METHYL NAPHTHALENE	N/A	N/A	30	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.81
	ACENAPHTHENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.81
	ACENAPHTHYLENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.81
	ANTHRACENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.81
	BENZO(A)ANTHRACENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.81
	BENZO(A)PYRENE	0.7	N/A	0.2	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.81
	BENZO(B)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.81
	BENZO(GHI)PERYLENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.81
	BENZO(K)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.81
	CHRYSENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.81
	DIBENZO(A,H)ANTHRACENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.81
	FLUORANTHENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.81

Table 5-1
Groundwater Analytical Results
January - March 2012

			LOCATION CODE		KAFB-106044			KAFB-106045			KAFB-106046			KAFB-106047			KAFB-106048			KAFB-106049			KAFB-106050			KAFB-106051		
			SAMPLE NO		GW0423			GW0424			GW0425			GW0426			GW0427			GW0428			GW0429			GW0430		
			SAMPLE DATE		31-Jan-12			30-Jan-12			8-Feb-12			8-Feb-12			8-Feb-12			24-Jan-12			25-Jan-12			24-Jan-12		
			SAMPLE PURPOSE		REG			REG			REG			REG			REG			REG			REG			REG		
			SAMPLE DEPTH		504-519 FT			528-543 FT			490-510 FT			512-527 FT			536-551 FT			456-477 FT			476-489 FT			502-516 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[b]	NMED Approved Background[c]	EPA MCLs[b,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
PAHs (µg/L) Method 8270C (continued)	FLUORENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.81
	INDENO(1,2,3-CD)PYRENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.81
	NAPHTHALENE	N/A	N/A	30	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.81
	PHENANTHRENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.81
	PYRENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	5	ND	U	5	ND	U	4.9	ND	U	4.9	ND	U	4.81
PAHs (µg/L) Method 8270C Low Detection Limit	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
Metals (mg/L) Method 6010B	CALCIUM	N/A	N/A	N/A	33.9		5	33.3		5	40.2		5	39.4		5	34.9		5	123		5	66.1		5	51.3		5
	IRON, DISSOLVED	1	N/A	0.3	ND	U	0.1	ND	U	0.1	ND	U	0.1	0.0379	J	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
	MAGNESIUM	N/A	N/A	N/A	4.77	J	5	4.7	J	5	5.75		5	5.16		5	4.75	J	5	16.6		5	9.06		5	7.1		5
	MANGANESE, DISSOLVED	0.2	N/A	0.05	ND	U	0.015	ND	U	0.015	ND	U	0.015	0.371		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	2.06	J	5	2.01	J	5	2.17	J	5	2.14	J	5	1.99	J	5	3.76	J	5	3.06	J	5	2.61	J	5
	SODIUM	N/A	N/A	N/A	21.1		5	21		5	24.7		5	22.3		5	21.6		5	33.8		5	28.8		5	25.7		5
Anions (mg/L) Method E300.0	CHLORIDE	250	N/A	250	6.64		0.5	6.54		0.5	8.69		0.5	7.73		0.5	7.29		0.5	75.1		0.5	50.3		0.5	27.6		0.5
	AMMONIA (AS N) (Method 4500NH3BG)	N/A	N/A	N/A	ND	U	0.3	ND	U	0.3	ND	U	0.3	0.115	J	0.3	0.186	J	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3
	NITROGEN, NITRATE-NITRITE (Method E353.2)	N/A	4	N/A	ND	U	1.5	ND	U	1.5	0.536	J	1.5	ND	U	1.5	ND	U	1.5	2.3		1.5	1.38	J	1.5	0.712	J	1.5
	SULFATE	600	N/A	250	27.4		2	27.2		2	27.7		2	26.9		2	27.9		2	195		2	79.5		2	54.2		2
	SULFIDE, TOTAL (Method 4500S2CF)	N/A	N/A	N/A	ND	U	3.7	ND	U	3.45	ND	U	3.39	ND	U	3.39	ND	U	3.45	1.04	J	3.7	0.891	J	3.7	0.741	J	3.7
Alkalinity (mg/L) Method SM2320B	ALKALINITY, BICARBONATE (AS CACO3)	N/A	N/A	N/A	119		1	86.6		1	124		1	109		1	99.2		1	85.7		1	90.2		1	96.8		1
	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
Field Parameters	Temperature (°C)	N/A	N/A	N/A	18.07			18.61			18.85			19.02			18.85			17.96			17.51			17.98		
	pH (S.U.)	N/A	N/A	N/A	7.74			7.81			7.75			7.44			7.75			7.68			7.73			7.77		
	Spec Cond (µS/cm2)	N/A	N/A	N/A	282.9			292.2			341.5			318.4			299.9			803.8			447.7			370.7		
	DO (mg/L)	N/A	N/A	N/A	7.08			3.81			7.49			4.52			11.83			9.15			10.99			8.19		
	ORP (mV)	N/A	N/A	N/A	119			141			100			-13			179			141			161			130		
	Turbidity (NTU)	N/A	N/A	N/A	0.85			0.59			1.18			3.64			0.72			0.66			0.79			0.71		
	Alkalinity (mg/L as CaCO3)	N/A	N/A	N/A	116			116			128			130			109			116			123			130		

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

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

d. 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 "*". Concentration exceeding standards are **BOLD.**

e. KAFB-10612 not measured during Quarter 1, 2012 due to a non-operational corroded pump.

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 low.

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 or Not available

ND = Not detected

NM = not measured due to equipment malfunction.

NR = Not recorded or reported due to operational error

R = sample data rejected due to site contamination

THIS PAGE INTENTIONALLY LEFT BLANK

Table 5-1
Groundwater Analytical Results
January - March 2012

				LOCATION CODE	KAFB-106052			KAFB-106053			KAFB-106053			KAFB-106054			KAFB-106055			KAFB-106057			KAFB-106058			KAFB-106059		
				SAMPLE NO	GW0431			GW0432			GW0433			GW0434			GW0435			GW0436			GW0437			GW0438		
				SAMPLE DATE	15-Feb-12			15-Feb-12			15-Feb-12			15-Feb-12			31-Jan-12			31-Jan-12			30-Jan-12			23-Feb-12		
				SAMPLE PURPOSE	REG			REG			FD			REG			REG			REG			REG			REG		
				SAMPLE DEPTH	450-480 FT			479-493 FT			479-493 FT			504-519 FT			466-484 FT			486-500 FT			511-525 FT			483-503 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[b]	NMED Approved Background[c]	EPA MCLs[b,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
TPH (µg/L) Method 8015B	DIESEL RANGE ORGANICS	N/A	N/A	N/A	ND	U	100	ND	U	98	ND	U	100	ND	U	99	ND	U	111	ND	UJ	98	ND	UJ	98	52600	N/A	2400
	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	29800	N/A	1500
VOCs (µg/L) Method 8260B	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	100
	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	100
	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	100
	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	100
	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	100
	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	100
	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	100
	1,2,3-TRICHLOROBENZENE	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	100
	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	200
	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	100
	1,2,4-TRIMETHYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	0.352	J	1	0.404	J	1	0.842	J	1	407	N/A	100
	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	200
	1,2-DIBROMOETHANE	0.1	N/A	0.05	ND	U	1	ND	U	1	ND	U	1	ND	U	1	2.33	N/A	1	0.25	J	1	0.591	J	1	161	N/A	100
	1,2-DIBROMOETHANE (Method 8011)	0.1	N/A	0.05	ND	U	0.0279	ND	U	0.0281	ND	U	0.0283	ND	U	0.0283	2.28	N/A	0.14	0.214	N/A	0.028	0.564	N/A	0.028	178	N/A	28.2
	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	100
	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	100
	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	100
	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	0.371	J	1	0.346	J	1	133	N/A	100
	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	100
	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	100
	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	100
	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	100
	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	1000
	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	100
	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	500
	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	100
	4-METHYL-2-PENTANONE	N/A	N/A	N/A	1.51	J	5	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	5	134	J	500
	ACETONE	N/A	N/A	N/A	3.49	J	10	ND	U	10	ND	U	10	ND	U	10	ND	U	10	ND	U	10	ND	U	10	918	J-	1000
	BENZENE	10	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	0.498	J	1	ND	U	1	0.29	J	1	5860	N/A	100
	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	100
	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	100
	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	100
	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	100
	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	200
	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	100
	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	100
	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	100
	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	200
	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	100
	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	100
	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	100
	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	100
	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	100
	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	100
	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	200
	ETHYLBENZENE	750	N/A	700	ND	U	1	ND	U	1	ND	U	1	ND	U	1	0.323	J	1	0.402	J	1	0.902	J	1	1140	N/A	100
	HEXACHLOROBUTADIENE	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	100
	ISOPROPYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	0.282	J	1	0.394	J	1	ND	U	1	93	J	100
	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	ND	U	1	ND	U	100
	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	200
	NAPHTHALENE	N/A	N/A	30	ND	U	1	ND	U	1	ND	U	1	ND	UJ	1	ND	U	1	ND	U	1	ND	U	1	305	N/A	100
	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	100
	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	106	N/A	100
	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	100
	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	100
	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	100
	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	57	J	100
	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	100
	TOLUENE	750	N/A	750	ND	U	1	ND	U	1	ND	U	1	ND	U	1	1.51	N/A	1	1.99	N/A	1	5.09	N/A	1	9940	N/A	100
	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	100
	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	100
	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	100
	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	200
	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	100
	XYLENES	620	N/A	10000	ND	U	3	ND	U	3	ND	U	3	ND	U	3	2.06	J	3	2.11	J	3	5.15	N/A	3	4290	N/A	300

Table 5-1
Groundwater Analytical Results
January - March 2012

			LOCATION CODE		KAFB-106052			KAFB-106053			KAFB-106053			KAFB-106054			KAFB-106055			KAFB-106057			KAFB-106058			KAFB-106059		
			SAMPLE NO		GW0431			GW0432			GW0433			GW0434			GW0435			GW0436			GW0437			GW0438		
			SAMPLE DATE		15-Feb-12			15-Feb-12			15-Feb-12			15-Feb-12			31-Jan-12			31-Jan-12			30-Jan-12			23-Feb-12		
			SAMPLE PURPOSE		REG			REG			FD			REG			REG			REG			REG			REG		
			SAMPLE DEPTH		450-480 FT			479-493 FT			479-493 FT			504-519 FT			466-484 FT			486-500 FT			511-525 FT			483-503 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[b]	NMED Approved Background[c]	EPA MCLs[b,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
SVOCs (µg/L) Method 8270C	1,1-BIPHENYL	N/A	N/A	N/A	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	50
	1,2-DIPHENYLHYDRAZINE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	50
	2,4,5-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	50
	2,4,6-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	50
	2,4-DICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	50
	2,4-DIMETHYLPHENOL	N/A	N/A	N/A	ND	U	19.2	ND	U	19.2	ND	U	19.6	ND	U	19.6	ND	U	20	ND	U	19.2	ND	U	19.2	ND	U	200
	2,4-DINITROPHENOL	N/A	N/A	N/A	ND	U	48.1	ND	U	48.1	ND	U	49	ND	U	49	ND	U	50	ND	U	48.1	ND	U	48.1	ND	U	500
	2,4-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	50
	2,6-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	50
	2-CHLORONAPHTHALENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	50
	2-CHLOROPHENOL	N/A	N/A	N/A	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	50
	2-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	UJ	5	ND	U	4.81	ND	U	4.81	ND	U	50
	2-NITROANILINE	N/A	N/A	N/A	ND	U	19.2	ND	U	19.2	ND	U	19.6	ND	U	19.6	ND	U	20	ND	U	19.2	ND	U	19.2	ND	U	200
	2-NITROPHENOL	N/A	N/A	N/A	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	50
	3,3'-DICHLOROBENZIDINE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	50
	3-METHYLPHENOL AND 4-METHYLPHENOL	N/A	N/A	N/A	ND	UJ	4.81	ND	UJ	4.81	ND	UJ	4.9	ND	UJ	4.9	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	50
	3-NITROANILINE	N/A	N/A	N/A	ND	U	19.2	ND	U	19.2	ND	U	19.6	ND	U	19.6	ND	U	20	ND	U	19.2	ND	U	19.2	ND	U	200
	4,6-DINITRO-2-METHYLPHENOL	N/A	N/A	N/A	ND	U	19.2	ND	U	19.2	ND	U	19.6	ND	U	19.6	ND	U	20	ND	U	19.2	ND	U	19.2	ND	U	200
	4-BROMOPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	50
	4-CHLORO-3-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	50
	4-CHLOROANILINE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	50
	4-CHLOROPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	50
	4-NITROANILINE	N/A	N/A	N/A	ND	U	19.2	ND	U	19.2	ND	U	19.6	ND	U	19.6	ND	U	20	ND	U	19.2	ND	U	19.2	ND	U	200
	4-NITROPHENOL	N/A	N/A	N/A	ND	U	19.2	ND	U	19.2	ND	U	19.6	ND	U	19.6	ND	U	20	ND	U	19.2	ND	U	19.2	ND	U	200
	ACETOPHENONE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	4.81	ND	U	4.81	5010	N/A	500
	ATRAZINE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	50
	BENZALDEHYDE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	UJ	5	ND	UJ	4.81	ND	UJ	4.81	ND	U	50
	BENZIDINE	N/A	N/A	N/A	ND	U	48.1	ND	U	48.1	ND	U	49	ND	U	49	ND	U	50	ND	U	48.1	ND	U	48.1	ND	U	500
	BENZOIC ACID	N/A	N/A	N/A	ND	U	48.1	ND	U	48.1	ND	U	49	ND	U	49	ND	U	50	ND	U	48.1	ND	U	48.1	ND	U	500
	BIS(2-CHLOROETHOXY)METHANE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	50
	BIS(2-CHLOROETHYL)ETHER	N/A	N/A	N/A	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	50
	BIS(2-CHLOROISOPROPYL)ETHER	N/A	N/A	N/A	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	50
	BIS(2-ETHYLHEXYL)PHTHALATE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	2.5	J	4.81	2.65	J	4.81	ND	U	50
	BUTYL BENZYL PHTHALATE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	50
	CAPROLACTAM	N/A	N/A	N/A	ND	UJ	4.81	ND	UJ	4.81	ND	UJ	4.9	ND	UJ	4.9	ND	UJ	5	ND	UJ	4.81	ND	UJ	4.81	ND	UJ	50
	CARBAZOLE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	50
	DIBENZOFURAN	N/A	N/A	N/A	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	50
	DIETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	50
	DIMETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	50
	DI-N-BUTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	50
	DI-N-OCTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	50
	HEXACHLOROBENZENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	50
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	50
	HEXACHLOROCYCLOPENTADIENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	50
	HEXACHLOROETHANE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	UJ	5	ND	U	4.81	ND	U	4.81	ND	U	50
	ISOPHORONE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	50
	NITROBENZENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	50
	N-NITROSO-DI-N-PROPYLAMINE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	50
	N-NITROSODIPHENYLAMINE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	50
	PENTACHLOROPHENOL	N/A	N/A	N/A	ND	U	19.2	ND	U	19.2	ND	U	19.6	ND	U	19.6	ND	U	20	ND	U	19.2	ND	U	19.2	ND	U	200
	PHENOL	N/A	N/A	5	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	50
PAHs (µg/L) Method	1-METHYL NAPHTHALENE	N/A	N/A	30	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	4.81	ND	U	4.81	59.7	N/A	50
	2-METHYL NAPHTHALENE	N/A	N/A	30	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	4.81	ND	U	4.81	72.3	N/A	50
	ACENAPHTHENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	50
	ACENAPHTHYLENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	50
	ANTHRACENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	50
	BENZO(A)ANTHRACENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	50
	BENZO(A)PYRENE	0.7	N/A	0.2	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	50
	BENZO(B)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	50
	BENZO(GHI)PERYLENE	N/A	N/A	N/A	ND	UJ	4.81	ND	UJ	4.81	ND	UJ	4.9	ND	UJ	4.9	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	50
	BENZO(K)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	50
	CHRYSENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	50
	DIBENZO(A,H)ANTHRACENE	N/A	N/A	N/A	ND	UJ	4.81	ND	UJ	4.81	ND	UJ	4.9	ND	UJ	4.9	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	50
	FLUORANTHENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	50

Table 5-1
Groundwater Analytical Results
January - March 2012

			LOCATION CODE		KAFB-106052			KAFB-106053			KAFB-106053			KAFB-106054			KAFB-106055			KAFB-106057			KAFB-106058			KAFB-106059		
			SAMPLE NO		GW0431			GW0432			GW0433			GW0434			GW0435			GW0436			GW0437			GW0438		
			SAMPLE DATE		15-Feb-12			15-Feb-12			15-Feb-12			15-Feb-12			31-Jan-12			31-Jan-12			30-Jan-12			23-Feb-12		
			SAMPLE PURPOSE		REG			REG			FD			REG			REG			REG			REG			REG		
			SAMPLE DEPTH		450-480 FT			479-493 FT			479-493 FT			504-519 FT			466-484 FT			486-500 FT			511-525 FT			483-503 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[b]	NMED Approved Background[c]	EPA MCLs[b,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
PAHs (µg/L) Method 8270C (continued)	FLUORENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	50
	INDENO(1,2,3-CD)PYRENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	50
	NAPHTHALENE	N/A	N/A	30	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	4.81	ND	U	4.81	110	N/A	50
	PHENANTHRENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	50
	PYRENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	50
PAHs (µg/L) Method 8270C Low Detection Limit	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
Metals (mg/L) Method 6010B	CALCIUM	N/A	N/A	N/A	58.5		5	53.9		5	51		5	51.2		5	43		5	44.9		5	38.5		5	73.9		5
	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	1.52		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
	MAGNESIUM	N/A	N/A	N/A	7.43		5	6.88		5	6.58		5	6.55		5	5.77		5	5.99		5	5.12		5	11.3		5
	MANGANESE, DISSOLVED	0.2	N/A	0.05	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	1.56		0.015
	POTASSIUM	N/A	N/A	N/A	2.87	J	5	2.82	J	5	2.69	J	5	2.6	J	5	2.29	J	5	2.39	J	5	2.22	J	5	3.13	J	5
	SODIUM	N/A	N/A	N/A	25.1		5	25.3		5	24.5		5	23.7		5	25.3		5	24.9		5	23.8		5	31		5
Anions (mg/L) Method E300.0	CHLORIDE	250	N/A	250	35.7		0.5	26.6		0.5	26.6		0.5	21.7		0.5	12.5		0.5	12.6		0.5	9.37		0.5	23.1		1
	AMMONIA (AS N) (Method 4500NH3BG)	N/A	N/A	N/A	ND	U	0.3	ND	U	0.3	ND	U	0.3	0.125	J	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3	0.164	J	0.3
	NITROGEN, NITRATE-NITRITE (Method E353.2)	N/A	4	N/A	0.862	J	1.5	0.636	J	1.5	0.652	J	1.5	0.469	J	1.5	ND	U	1.5	ND	U	1.5	0.887	J	1.5	ND	U	1.5
	SULFATE	600	N/A	250	56.6		2	49.3		2	49.2		2	55.7		2	35.8		2	36.2		2	32.3		2	41.3		4
	SULFIDE, TOTAL (Method 4500S2CF)	N/A	N/A	N/A	ND	U	3.7	ND	U	3.7	ND	U	3.7	ND	U	3.7	0.741	J	3.7	ND	U	3.39	0.678	J	3.39	ND	U	3.7
Alkalinity (mg/L) Method SM2320B	ALKALINITY, BICARBONATE (AS CACO3)	N/A	N/A	N/A	99.4		1	99.4		1	106		1	101		1	108		1	117		1	106		1	193		1
	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
Field Parameters	Temperature (°C)	N/A	N/A	N/A	18.19			17.25			17.25			17.09			18.14			18.42			18.02			19.42		
	pH (S.U.)	N/A	N/A	N/A	7.73			7.76			7.76			7.81			7.93			7.91			7.94			7.23		
	Spec Cond (µS/cm2)	N/A	N/A	N/A	407.5			370.6			370.6			376.5			340.7			360.8			303.4			526.8		
	DO (mg/L)	N/A	N/A	N/A	9.14			9.98			9.98			6.82			9.10			9.52			12.14			0.90		
	ORP (mV)	N/A	N/A	N/A	148			129			129			108			219			230			217			-92		
	Turbidity (NTU)	N/A	N/A	N/A	0.72			0.55			0.55			1.05			1.63			1.11			0.71			3.74		
	Alkalinity (mg/L as CaCO3)	N/A	N/A	N/A	112			123			123			100			143			140			101			208		

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

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

d. 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 "*". Concentration exceeding standards are **BOLD.**

e. KAFB-10612 not measured during Quarter 1, 2012 due to a non-operational corroded pump.

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 low.

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 or Not available

ND = Not detected

NM = not measured due to equipment malfunction.

NR = Not recorded or reported due to operational error

R = sample data rejected due to site contamination

THIS PAGE INTENTIONALLY LEFT BLANK

Table 5-1
Groundwater Analytical Results
January - March 2012

			LOCATION CODE		KAFB-106060			KAFB-106061			KAFB-106062			KAFB-106063			KAFB-106063			KAFB-106064			KAFB-106065			KAFB-106066		
			SAMPLE NO		GW0439			GW0440			GW0441			GW0442			GW0443			GW0444			GW0446			GW0447		
			SAMPLE DATE		23-Feb-12			22-Feb-12			10-Feb-12			10-Feb-12			10-Feb-12			17-Feb-12			15-Feb-12			15-Feb-12		
			SAMPLE PURPOSE		REG			REG			REG			REG			FD			REG			REG			REG		
			SAMPLE DEPTH		503-518 FT			573-588 FT			576-590 FT			505-520 FT			505-520 FT			484-505 FT			508-523 FT			576-591 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[b]	NMED Approved Background[c]	EPA MCLs[b,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
TPH (µg/L) Method 8015B	DIESEL RANGE ORGANICS	N/A	N/A	N/A	ND	U	94.3	ND	U	96.2	ND	U	98	ND	U	96.2	ND	U	100	5000	N/A	476	4860	J	99	ND	U	100
	GASOLINE RANGE ORGANICS	N/A	N/A	N/A	89.5	J	150	ND	U	150	ND	U	150	ND	U	150	ND	U	150	1610	N/A	150	830	J	150	ND	U	150
VOCs (µg/L) Method 8260B	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	2	ND	U	1	ND	U	1
	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	2	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	2	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	2	ND	U	1	ND	U	1
	1,1-DICHLOROETHANE	25	N/A	25	ND	U	1	ND	U	1	ND	U	1	0.54	J	1	0.466	J	1	ND	U	2	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	2	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	2	ND	U	1	ND	U	1
	1,2,3-TRICHLOROBENZENE	N/A	N/A	N/A	ND	U	1	ND	UJ	1	ND	U	1	ND	U	1	ND	U	1	ND	UJ	2	ND	UJ	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	4	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	2	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	9.37	N/A	2	18.9	J	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	4	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	2.65	N/A	2	ND	U	1	ND	U	1
	1,2-DIBROMOETHANE (Method 8011)	0.1	N/A	0.05	ND	U	0.0283	ND	U	0.0281	ND	U	0.0284	ND	U	0.0284	ND	U	0.0282	3.02	N/A	0.139	0.154	J	0.0282	ND	U	0.0278
	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	2	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	1.55	J	2	1.43	J	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	2	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	4.55	N/A	2	13	J	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	2	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	2	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	2	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	2	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	5.79	J	20	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	2	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	10	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	2	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	10	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	144	N/A	20	15.1	J	10	ND	U	10
	BENZENE	10	N/A	5	ND	U	1	0.725	J	1	ND	U	1	ND	U	1	ND	U	1	52.1	N/A	2	4.17	J	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	2	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	2	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	2	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	2	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	4	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	1.68	J	2	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	2	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	1.2	J	2	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	4	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	2	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	0.516	J	1	ND	U	2	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	2	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	2	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	2	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	2	ND	U	1	ND	U	1
	DICHLORODIFLUOROMETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	2	1	J	2	0.951	J	2	ND	U	4	ND	U	2	ND	U	2
	ETHYLBENZENE	750	N/A	700	ND	U	1	1.77	N/A	1	ND	U	1	ND	U	1	ND	U	1	21.9	N/A	2	22.6	J	1	ND	U	1
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	1	ND	UJ	1	ND	U	1	ND	U	1	ND	U	1	ND	UJ	2	ND	UJ	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	5.88	N/A	2	21.8	J	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	2	0.5	J	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	4	ND	U	2	ND	U	2
	NAPHTHALENE	N/A	N/A	30	ND	U	1	ND	UJ	1	ND	U	1	ND	U	1	ND	U	1	3.1	N/A	2	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	0.883	J	2	1.52	J	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	2.35	N/A	2	7.56	J	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	1.4	J	2	3.95	J	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	0.874	J	2	2.56	J	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	2	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	2	ND	U	1	ND	U	1
	TETRACHLOROETHENE	N/A	N/A	5	ND	U	1	ND	U	1	ND	U	1	0.59	J	1	0.47	J	1	ND	U	2	ND	U	1	ND	U	1
	TOLUENE	750	N/A	750	ND	U	1	0.636	J	1	ND	U	1	ND	U	1	ND	U	1	101	N/A	2	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	2	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	2	ND	U	1	ND	U	1
	TRICHLOROETHENE	N/A	N/A	5	ND	U	1	ND	U	1	ND	U	1	0.61	J	1	0.563	J	1	ND	U	2	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	4	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	2	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	49.6	N/A	6	14	J	3	ND	U	3

Table 5-1
Groundwater Analytical Results
January - March 2012

			LOCATION CODE		KAFB-106060			KAFB-106061			KAFB-106062			KAFB-106063			KAFB-106063			KAFB-106064			KAFB-106065			KAFB-106066		
			SAMPLE NO		GW0439			GW0440			GW0441			GW0442			GW0443			GW0444			GW0446			GW0447		
			SAMPLE DATE		23-Feb-12			22-Feb-12			10-Feb-12			10-Feb-12			10-Feb-12			17-Feb-12			15-Feb-12			15-Feb-12		
			SAMPLE PURPOSE		REG			REG			REG			REG			FD			REG			REG			REG		
			SAMPLE DEPTH		503-518 FT			573-588 FT			576-590 FT			505-520 FT			505-520 FT			484-505 FT			508-523 FT			576-591 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[b]	NMED Approved Background[c]	EPA MCLs[b,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
SVOCs (µg/L) Method 8270C	1,1-BIPHENYL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81
	1,2-DIPHENYLHYDRAZINE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81
	2,4,5-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	UJ	4.81	ND	U	4.9	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81
	2,4,6-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	UJ	4.81	ND	U	4.9	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81
	2,4-DICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81
	2,4-DIMETHYLPHENOL	N/A	N/A	N/A	ND	U	19.6	ND	U	19.2	ND	U	19.6	ND	U	20	ND	U	19.6	ND	U	19.2	ND	U	19.6	ND	U	19.2
	2,4-DINITROPHENOL	N/A	N/A	N/A	ND	U	49	ND	UJ	48.1	ND	U	49	ND	U	50	ND	U	49	ND	UJ	48.1	ND	U	49	ND	U	48.1
	2,4-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.9	ND	UJ	4.81	ND	U	4.9	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81
	2,6-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.9	ND	UJ	4.81	ND	U	4.9	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81
	2-CHLORONAPHTHALENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81
	2-CHLOROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81
	2-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81
	2-NITROANILINE	N/A	N/A	N/A	ND	U	19.6	ND	UJ	19.2	ND	U	19.6	ND	U	20	ND	U	19.6	ND	UJ	19.2	ND	U	19.6	ND	U	19.2
	2-NITROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81
	3,3'-DICHLOROBENZIDINE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81
	3-METHYLPHENOL AND 4-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	UJ	4.81
	3-NITROANILINE	N/A	N/A	N/A	ND	U	19.6	ND	U	19.2	ND	U	19.6	ND	U	20	ND	U	19.6	ND	U	19.2	ND	U	19.6	ND	U	19.2
	4,6-DINITRO-2-METHYLPHENOL	N/A	N/A	N/A	ND	U	19.6	ND	U	19.2	ND	U	19.6	ND	U	20	ND	U	19.6	ND	U	19.2	ND	U	19.6	ND	U	19.2
	4-BROMOPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81
	4-CHLORO-3-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81
	4-CHLOROANILINE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81
	4-CHLOROPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81
	4-NITROANILINE	N/A	N/A	N/A	ND	U	19.6	ND	UJ	19.2	ND	U	19.6	ND	U	20	ND	U	19.6	ND	UJ	19.2	ND	U	19.6	ND	U	19.2
	4-NITROPHENOL	N/A	N/A	N/A	ND	U	19.6	ND	UJ	19.2	ND	U	19.6	ND	U	20	ND	U	19.6	ND	UJ	19.2	ND	U	19.6	ND	U	19.2
	ACETOPHENONE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	5	ND	U	4.9	8.97	N/A	4.81	ND	U	4.9	ND	U	4.81
	ATRAZINE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81
	BENZALDEHYDE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81
	BENZIDINE	N/A	N/A	N/A	ND	U	49	ND	U	48.1	ND	U	49	ND	U	50	ND	U	49	ND	U	48.1	ND	U	49	ND	U	48.1
	BENZOIC ACID	N/A	N/A	N/A	ND	U	49	ND	UJ	48.1	ND	U	49	ND	U	50	ND	U	49	ND	UJ	48.1	ND	U	49	ND	U	48.1
	BIS(2-CHLOROETHOXY)METHANE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81
	BIS(2-CHLOROETHYL)ETHER	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81
	BIS(2-CHLOROISOPROPYL)ETHER	N/A	N/A	N/A	ND	U	4.9	ND	UJ	4.81	ND	U	4.9	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81
	BIS(2-ETHYLHEXYL)PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	5	ND	U	4.9	5.57	J+	4.81	ND	U	4.9	ND	U	4.81
	BUTYL BENZYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81
	CAPROLACTAM	N/A	N/A	N/A	ND	UJ	4.9	ND	UJ	4.81	ND	UJ	4.9	ND	UJ	5	ND	UJ	4.9	ND	UJ	4.81	ND	UJ	4.9	ND	UJ	4.81
	CARBAZOLE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81
	DIBENZOFURAN	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81
	DIETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81
	DIMETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81
	DI-N-BUTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81
	DI-N-OCTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81
	HEXACHLOROBENZENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81
	HEXACHLOROCYCLOPENTADIENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81
	HEXACHLOROETHANE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81
	ISOPHORONE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81
	NITROBENZENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81
	N-NITROSO-DI-N-PROPYLAMINE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81
	N-NITROSODIPHENYLAMINE	N/A	N/A	N/A	ND	U	4.9	ND	UJ	4.81	ND	U	4.9	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81
	PENTACHLOROPHENOL	N/A	N/A	N/A	ND	U	19.6	ND	U	19.2	ND	U	19.6	ND	U	20	ND	U	19.6	ND	U	19.2	ND	U	19.6	ND	U	19.2
	PHENOL	N/A	N/A	5	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81
PAHs (µg/L) Method	1-METHYL NAPHTHALENE	N/A	N/A	30	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	5	ND	U	4.9	1.66	J	4.81	6.36	J	4.9	ND	U	4.81
	2-METHYL NAPHTHALENE	N/A	N/A	30	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	5	ND	U	4.9	ND	U	4.81	4.26	J	4.9	ND	U	4.81
	ACENAPHTHENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81
	ACENAPHTHYLENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81
	ANTHRACENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81
	BENZO(A)ANTHRACENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81
	BENZO(A)PYRENE	0.7	N/A	0.2	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81
	BENZO(B)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81
	BENZO(GHI)PERYLENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	UJ	4.81
	BENZO(K)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81
	CHRYSENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81
	DIBENZO(A,H)ANTHRACENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	UJ	4.81
	FLUORANTHENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81

Table 5-1
Groundwater Analytical Results
January - March 2012

			LOCATION CODE		KAFB-106060			KAFB-106061			KAFB-106062			KAFB-106063			KAFB-106063			KAFB-106064			KAFB-106065			KAFB-106066		
			SAMPLE NO		GW0439			GW0440			GW0441			GW0442			GW0443			GW0444			GW0446			GW0447		
			SAMPLE DATE		23-Feb-12			22-Feb-12			10-Feb-12			10-Feb-12			10-Feb-12			17-Feb-12			15-Feb-12			15-Feb-12		
			SAMPLE PURPOSE		REG			REG			REG			REG			FD			REG			REG			REG		
			SAMPLE DEPTH		503-518 FT			573-588 FT			576-590 FT			505-520 FT			505-520 FT			484-505 FT			508-523 FT			576-591 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[b]	NMED Approved Background[c]	EPA MCLs[b,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
PAHs (µg/L) Method 8270C (continued)	FLUORENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81
	INDENO(1,2,3-CD)PYRENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81
	NAPHTHALENE	N/A	N/A	30	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81
	PHENANTHRENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81
	PYRENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	5	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.81
PAHs (µg/L) Method 8270C Low Detection Limit	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
Metals (mg/L) Method 6010B	CALCIUM	N/A	N/A	N/A	46.2		5	33		5	36.2		5	47.2		5	47.3		5	68.8		5	80	J	5	38.6		5
	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	0.0597	J	0.1	2.2	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	ND	U	0.003	ND	U	0.003	ND	U	0.003
	MAGNESIUM	N/A	N/A	N/A	6.47		5	4.57	J	5	4.78	J	5	6.27		5	6.28		5	9.47		5	11.4	J	5	4.9	J	5
	MANGANESE, DISSOLVED	0.2	N/A	0.05	ND	U	0.015	ND	U	0.015	ND	U	0.015	ND	U	0.015	ND	U	0.015	0.489		0.015	1.9	J	0.015	0.00606	J	0.015
	POTASSIUM	N/A	N/A	N/A	2.43	J	5	1.95	J	5	2.05	J	5	2.36	J	5	2.35	J	5	2.78	J	5	2.93	J	5	2.09	J	5
	SODIUM	N/A	N/A	N/A	25.3		5	21.9		5	21.8		5	25.6		5	25.7		5	31.1		5	34.6	J	5	22.5		5
Anions (mg/L) Method E300.0	CHLORIDE	250	N/A	250	16.2		0.5	7		0.5	7.35		0.5	12.9		0.5	12.9		0.5	13		0.5	26.6	J	0.5	7.47		0.5
	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	0.132	J	0.3	0.114	J	0.3	ND	U	0.3
	NITROGEN, NITRATE-NITRITE (Method E353.2)	N/A	4	N/A	0.552	J	1.5	ND	U	1.5	ND	U	1.5	0.63	J	1.5	0.625	J	1.5	ND	U	1.5	ND	U	1.5	ND	U	1.5
	SULFATE	600	N/A	250	38		2	27.7		2	28.3		2	35.3		2	35.3		2	15		2	70	J	2	28.2		2
	SULFIDE, TOTAL (Method 4500S2CF)	N/A	N/A	N/A	ND	U	3.7	ND	U	3.7	ND	U	3.39	ND	U	3.7	0.678	J	3.39	ND	U	3.7	ND	U	3.7	ND	U	3.7
Alkalinity (mg/L) Method SM2320B	ALKALINITY, BICARBONATE (AS CACO3)	N/A	N/A	N/A	115		1	110		1	98.4		1	121		1	118		1	204		1	163		1	114		1
	ALKALINITY, CARBONATE (AS CACO3)	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	3.94		1	ND	U	1	ND	U	1	ND	U	1
Field Parameters	Temperature (°C)	N/A	N/A	N/A	18.45			18.29			18.59			18.21			18.21			17.77			16.59			18.29		
	pH (S.U.)	N/A	N/A	N/A	7.76			7.86			7.74			7.72			7.72			7.49			7.31			7.68		
	Spec Cond (µS/cm2)	N/A	N/A	N/A	345.3			261.6			296.6			372.6			372.6			454.1			544.2			284.3		
	DO (mg/L)	N/A	N/A	N/A	10.99			4.31			4.40			7.75			7.75			2.96			0.11			10.69		
	ORP (mV)	N/A	N/A	N/A	179			48			178			189			189			-144			-146			187		
	Turbidity (NTU)	N/A	N/A	N/A	0.11			3.99			0.59			0.35			0.35			1.39			0.65			1.00		
	Alkalinity (mg/L as CaCO3)	N/A	N/A	N/A	126			108			116			132			132			230			110			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. The WQCC regulation for PAHs of 30 ug/L is a total of the concentrations of naphthalene, 1-methylnaphthalene, and 2-methylnapthalene.

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

d. 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 "*". Concentration exceeding standards are **BOLD.**

e. KAFB-10612 not measured during Quarter 1, 2012 due to a non-operational corroded pump.

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 low.

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 or Not available

ND = Not detected

NM = not measured due to equipment malfunction.

NR = Not recorded or reported due to operational error

R = sample data rejected due to site contamination

THIS PAGE INTENTIONALLY LEFT BLANK

Table 5-1
Groundwater Analytical Results
January - March 2012

				LOCATION CODE	KAFB-106067			KAFB-106068			KAFB-106068			KAFB-106069			KAFB-106070			KAFB-106071			KAFB-106072			KAFB-106073		
				SAMPLE NO	GW0448			GW0449			GW0450			GW0451			GW0452			GW0453			GW0454			GW0455		
				SAMPLE DATE	8-Feb-12			17-Feb-12			17-Feb-12			21-Feb-12			6-Feb-12			6-Feb-12			7-Feb-12			23-Feb-12		
				SAMPLE PURPOSE	REG			REG			FD			REG			REG			REG			REG			REG		
				SAMPLE DEPTH	485-505 FT			580-595 FT			580-595 FT			506-521 FT			460-480 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[c]	EPA MCLs[b,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
TPH (µg/L) Method 8015B	DIESEL RANGE ORGANICS	N/A	N/A	N/A	ND	U	96.2	ND	U	100	ND	U	100	ND	U	94.3	630	N/A	92.6	ND	U	94.3	124	N/A	94.3	ND	U	93.5
	GASOLINE RANGE ORGANICS	N/A	N/A	N/A	ND	U	150	ND	U	150	ND	U	150	ND	U	150	187	N/A	150	ND	U	150	104	J	150	60	J	150
VOCs (µg/L) Method 8260B	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
	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
	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
	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
	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
	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
	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
	1,2,3-TRICHLOROBENZENE	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
	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
	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
	1,2,4-TRIMETHYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	0.393	J	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
	1,2-DIBROMOETHANE	0.1	N/A	0.05	0.27	J	1	ND	U	1	ND	U	1	0.281	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	0.245	N/A	0.0284	ND	U	0.0284	ND	U	0.0287	0.353	N/A	0.0283	0.139	N/A	0.0281	ND	U	0.0284	0.251	N/A	0.0284	0.0261	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
	1,2-DICHLOROETHANE	10	N/A	5	0.55	J+	1	ND	U	1	ND	U	1	ND	U	1	1.55	N/A	1	ND	U	1	1.07	N/A	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
	1,3,5-TRIMETHYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	0.34	J	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
	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
	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
	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	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
	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
	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
	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
	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
	ACETONE	N/A	N/A	N/A	4.29	J	10	2.53	J	10	ND	U	10	2.91	J	10	8.13	J	10	ND	UJ	10	3.04	J	10	ND	UJ	10
	BENZENE	10	N/A	5	ND	U	1	ND	U	1	ND	U	1	0.747	J	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	CHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	0.258	J	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
	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
	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
	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
	DICHLORODIFLUOROMETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	2	0.907	J	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2
	ETHYLBENZENE	750	N/A	700	0.61	J	1	ND	U	1	ND	U	1	0.691	J	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	UJ	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	0.53	J	1	ND	U	1	ND	U	1	0.61	J	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	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
	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
	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
	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
	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
	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
	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
	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
	TETRACHLOROETHENE	N/A	N/A	5	ND	U	1	ND	U	1	ND	U	1	0.309	J	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	3.8	N/A	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
	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
	TRICHLOROETHENE	N/A	N/A	5	ND	U	1	ND	U	1	ND	U	1	0.27	J	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
	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
	XYLENES	620	N/A	10000	ND	U	3	ND	U	3	ND	U	3	2.97	J	3	ND	U	3	ND	U	3	ND	U	3	ND	U	3

Table 5-1
Groundwater Analytical Results
January - March 2012

			LOCATION CODE		KAFB-106067			KAFB-106068			KAFB-106068			KAFB-106069			KAFB-106070			KAFB-106071			KAFB-106072			KAFB-106073		
			SAMPLE NO		GW0448			GW0449			GW0450			GW0451			GW0452			GW0453			GW0454			GW0455		
			SAMPLE DATE		8-Feb-12			17-Feb-12			17-Feb-12			21-Feb-12			6-Feb-12			6-Feb-12			7-Feb-12			23-Feb-12		
			SAMPLE PURPOSE		REG			REG			FD			REG			REG			REG			REG			REG		
			SAMPLE DEPTH		485-505 FT			580-595 FT			580-595 FT			506-521 FT			460-480 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[c]	EPA MCLs[b,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
SVOCs (µg/L) Method 8270C	1,1-BIPHENYL	N/A	N/A	N/A	ND	U	4.9	ND	U	10	ND	U	10	ND	U	4.9	ND	U	4.67	ND	U	4.9	ND	U	4.9	ND	U	4.72
	1,2-DIPHENYLHYDRAZINE	N/A	N/A	N/A	ND	UJ	4.9	ND	U	10	ND	U	10	ND	U	4.9	ND	U	4.67	ND	U	4.9	ND	U	4.9	ND	U	4.72
	2,4,5-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	10	ND	U	10	ND	UJ	4.9	ND	U	4.67	ND	U	4.9	ND	U	4.9	ND	U	4.72
	2,4,6-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	10	ND	U	10	ND	UJ	4.9	ND	U	4.67	ND	U	4.9	ND	U	4.9	ND	U	4.72
	2,4-DICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	10	ND	U	10	ND	U	4.9	ND	U	4.67	ND	U	4.9	ND	U	4.9	ND	U	4.72
	2,4-DIMETHYLPHENOL	N/A	N/A	N/A	ND	U	19.6	ND	U	40	ND	U	40	ND	U	19.6	ND	U	18.7	ND	U	19.6	ND	U	19.6	ND	U	18.9
	2,4-DINITROPHENOL	N/A	N/A	N/A	ND	U	49	ND	UJ	100	ND	UJ	100	ND	UJ	49	ND	U	46.7	ND	U	49	ND	U	49	ND	U	47.2
	2,4-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.9	ND	U	10	ND	U	10	ND	UJ	4.9	ND	U	4.67	ND	U	4.9	ND	U	4.9	ND	U	4.72
	2,6-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.9	ND	U	10	ND	U	10	ND	UJ	4.9	ND	U	4.67	ND	U	4.9	ND	U	4.9	ND	U	4.72
	2-CHLORONAPHTHALENE	N/A	N/A	N/A	ND	U	4.9	ND	U	10	ND	U	10	ND	U	4.9	ND	U	4.67	ND	U	4.9	ND	U	4.9	ND	U	4.72
	2-CHLOROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	10	ND	U	10	ND	U	4.9	ND	U	4.67	ND	U	4.9	ND	U	4.9	ND	U	4.72
	2-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	10	ND	U	10	ND	U	4.9	ND	U	4.67	ND	U	4.9	ND	U	4.9	ND	U	4.72
	2-NITROANILINE	N/A	N/A	N/A	ND	U	19.6	ND	UJ	40	ND	UJ	40	ND	UJ	19.6	ND	U	18.7	ND	U	19.6	ND	U	19.6	ND	U	18.9
	2-NITROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	10	ND	U	10	ND	U	4.9	ND	U	4.67	ND	U	4.9	ND	U	4.9	ND	U	4.72
	3,3'-DICHLOROBENZIDINE	N/A	N/A	N/A	ND	U	4.9	ND	U	10	ND	U	10	ND	U	4.9	ND	U	4.67	ND	U	4.9	ND	U	4.9	ND	U	4.72
	3-METHYLPHENOL AND 4-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	10	ND	U	10	ND	U	4.9	ND	U	4.67	ND	U	4.9	ND	U	4.9	ND	U	4.72
	3-NITROANILINE	N/A	N/A	N/A	ND	U	19.6	ND	U	40	ND	U	40	ND	U	19.6	ND	U	18.7	ND	U	19.6	ND	U	19.6	ND	U	18.9
	4,6-DINITRO-2-METHYLPHENOL	N/A	N/A	N/A	ND	U	19.6	ND	U	40	ND	U	40	ND	U	19.6	ND	U	18.7	ND	U	19.6	ND	U	19.6	ND	U	18.9
	4-BROMOPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.9	ND	U	10	ND	U	10	ND	U	4.9	ND	U	4.67	ND	U	4.9	ND	U	4.9	ND	U	4.72
	4-CHLORO-3-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	10	ND	U	10	ND	U	4.9	ND	U	4.67	ND	U	4.9	ND	U	4.9	ND	U	4.72
	4-CHLOROANILINE	N/A	N/A	N/A	ND	U	4.9	ND	U	10	ND	U	10	ND	U	4.9	ND	U	4.67	ND	U	4.9	ND	U	4.9	ND	U	4.72
	4-CHLOROPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.9	ND	U	10	ND	U	10	ND	U	4.9	ND	U	4.67	ND	U	4.9	ND	U	4.9	ND	U	4.72
	4-NITROANILINE	N/A	N/A	N/A	ND	U	19.6	ND	UJ	40	ND	UJ	40	ND	UJ	19.6	ND	U	18.7	ND	U	19.6	ND	U	19.6	ND	U	18.9
	4-NITROPHENOL	N/A	N/A	N/A	ND	U	19.6	ND	UJ	40	ND	UJ	40	ND	UJ	19.6	ND	U	18.7	ND	U	19.6	ND	U	19.6	ND	U	18.9
	ACETOPHENONE	N/A	N/A	N/A	ND	U	4.9	ND	U	10	ND	U	10	ND	U	4.9	ND	U	4.67	ND	U	4.9	ND	U	4.9	ND	U	4.72
	ATRAZINE	N/A	N/A	N/A	ND	U	4.9	ND	U	10	ND	U	10	ND	U	4.9	ND	U	4.67	ND	U	4.9	ND	U	4.9	ND	U	4.72
	BENZALDEHYDE	N/A	N/A	N/A	ND	UJ	4.9	ND	U	10	ND	U	10	ND	U	4.9	ND	UJ	4.67	ND	UJ	4.9	ND	UJ	4.9	ND	U	4.72
	BENZIDINE	N/A	N/A	N/A	ND	U	49	ND	U	100	ND	U	100	ND	U	49	ND	U	46.7	ND	U	49	ND	U	49	ND	U	47.2
	BENZOIC ACID	N/A	N/A	N/A	ND	U	49	ND	UJ	100	ND	UJ	100	ND	UJ	49	ND	U	46.7	ND	U	49	ND	U	49	ND	U	47.2
	BIS(2-CHLOROETHOXY)METHANE	N/A	N/A	N/A	ND	U	4.9	ND	U	10	ND	U	10	ND	U	4.9	ND	U	4.67	ND	U	4.9	ND	U	4.9	ND	U	4.72
	BIS(2-CHLOROETHYL)ETHER	N/A	N/A	N/A	ND	U	4.9	ND	U	10	ND	U	10	ND	U	4.9	ND	U	4.67	ND	U	4.9	ND	U	4.9	ND	U	4.72
	BIS(2-CHLOROISOPROPYL)ETHER	N/A	N/A	N/A	ND	U	4.9	ND	U	10	ND	U	10	ND	UJ	4.9	ND	UJ	4.67	ND	UJ	4.9	ND	UJ	4.9	ND	U	4.72
	BIS(2-ETHYLHEXYL)PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	10	ND	U	10	2.48	J	4.9	ND	U	4.67	ND	U	4.9	ND	U	4.9	ND	U	4.72
	BUTYL BENZYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	10	ND	U	10	ND	U	4.9	ND	U	4.67	ND	U	4.9	ND	U	4.9	ND	U	4.72
	CAPROLACTAM	N/A	N/A	N/A	4.55	J-	4.9	ND	UJ	10	ND	UJ	10	ND	UJ	4.9	ND	UJ	4.67	ND	UJ	4.9	ND	UJ	4.9	ND	UJ	4.72
	CARBAZOLE	N/A	N/A	N/A	ND	U	4.9	ND	U	10	ND	U	10	ND	U	4.9	ND	U	4.67	ND	U	4.9	ND	U	4.9	ND	U	4.72
	DIBENZOFURAN	N/A	N/A	N/A	ND	U	4.9	ND	U	10	ND	U	10	ND	U	4.9	ND	U	4.67	ND	U	4.9	ND	U	4.9	ND	U	4.72
	DIETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	10	ND	U	10	ND	U	4.9	ND	U	4.67	ND	U	4.9	ND	U	4.9	ND	U	4.72
	DIMETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	10	ND	U	10	ND	U	4.9	ND	U	4.67	ND	U	4.9	ND	U	4.9	ND	U	4.72
	DI-N-BUTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	10	ND	U	10	ND	U	4.9	ND	U	4.67	ND	U	4.9	ND	U	4.9	ND	U	4.72
	DI-N-OCTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	10	ND	U	10	ND	U	4.9	ND	U	4.67	ND	U	4.9	ND	U	4.9	ND	U	4.72
	HEXACHLOROBENZENE	N/A	N/A	N/A	ND	U	4.9	ND	U	10	ND	U	10	ND	U	4.9	ND	U	4.67	ND	U	4.9	ND	U	4.9	ND	U	4.72
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	4.9	ND	U	10	ND	U	10	ND	U	4.9	ND	U	4.67	ND	U	4.9	ND	U	4.9	ND	U	4.72
	HEXACHLOROCYCLOPENTADIENE	N/A	N/A	N/A	ND	U	4.9	ND	U	10	ND	U	10	ND	U	4.9	ND	U	4.67	ND	U	4.9	ND	U	4.9	ND	U	4.72
	HEXACHLOROETHANE	N/A	N/A	N/A	ND	UJ	4.9	ND	U	10	ND	U	10	ND	U	4.9	ND	U	4.67	ND	U	4.9	ND	U	4.9	ND	U	4.72
	ISOPHORONE	N/A	N/A	N/A	ND	U	4.9	ND	U	10	ND	U	10	ND	U	4.9	ND	U	4.67	ND	U	4.9	ND	U	4.9	ND	U	4.72
	NITROBENZENE	N/A	N/A	N/A	ND	UJ	4.9	ND	U	10	ND	U	10	ND	U	4.9	ND	U	4.67	ND	U	4.9	ND	U	4.9	ND	U	4.72
	N-NITROSO-DI-N-PROPYLAMINE	N/A	N/A	N/A	ND	U	4.9	ND	U	10	ND	U	10	ND	U	4.9	ND	U	4.67	ND	U	4.9	ND	U	4.9	ND	U	4.72
	N-NITROSODIPHENYLAMINE	N/A	N/A	N/A	ND	U	4.9	ND	U	10	ND	U	10	ND	UJ	4.9	ND	U	4.67	ND	U	4.9	ND	U	4.9	ND	U	4.72
	PENTACHLOROPHENOL	N/A	N/A	N/A	ND	U	19.6	ND	U	40	ND	U	40	ND	U	19.6	ND	U	18.7	ND	U	19.6	ND	U	19.6	ND	U	18.9
	PHENOL	N/A	N/A	5	ND	UJ	4.9	ND	U	10	ND	U	10	ND	U	4.9	ND	U	4.67	ND	U	4.9	ND	U	4.9	ND	U	4.72
PAHs (µg/L) Method	1-METHYL NAPHTHALENE	N/A	N/A	30	ND	U	4.9	ND	U	10	ND	U	10	ND	U	4.9	ND	U	4.67	ND	U	4.9	ND	U	4.9	ND	U	4.72
	2-METHYL NAPHTHALENE	N/A	N/A	30	ND	U	4.9	ND	U	10	ND	U	10	ND	U	4.9	ND	U	4.67	ND	U	4.9	ND	U	4.9	ND	U	4.72
	ACENAPHTHENE	N/A	N/A	N/A	ND	U	4.9	ND	U	10	ND	U	10	ND	U	4.9	ND	U	4.67	ND	U	4.9	ND	U	4.9	ND	U	4.72
	ACENAPHTHYLENE	N/A	N/A	N/A	ND	U	4.9	ND	U	10	ND	U	10	ND	U	4.9	ND	U	4.67	ND	U	4.9	ND	U	4.9	ND	U	4.72
	ANTHRACENE	N/A	N/A	N/A	ND	U	4.9	ND	U	10	ND	U	10	ND	U	4.9	ND	U	4.67	ND	U	4.9	ND	U	4.9	ND	U	4.72
	BENZO(A)ANTHRACENE	N/A	N/A	N/A	ND	U	4.9	ND	U	10	ND	U	10	ND	U	4.9	ND	U	4.67	ND	U	4.9	ND	U	4.9	ND	U	4.72
	BENZO(A)PYRENE	0.7	N/A	0.2	ND	U	4.9	ND	U	10	ND	U	10	ND	U	4.9	ND	U	4.67	ND	U	4.9	ND	U	4.9	ND	U	4.72
	BENZO(B)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.9	ND	U	10	ND	U	10	ND	U	4.9	ND	U	4.67	ND	U	4.9	ND	U	4.9	ND	U	4.72
	BENZO(GHI)PERYLENE	N/A	N/A	N/A	ND	U	4.9	ND	U	10	ND	U	10	ND	U	4.9	ND	U	4.67	ND	U	4.9	ND	U	4.9	ND	U	4.72
	BENZO(K)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.9	ND	U	10	ND	U	10	ND	U	4.9	ND	U	4.67	ND	U	4.9	ND	U	4.9	ND	U	4.72
	CHRYSENE	N/A	N/A	N/A	ND	U	4.9	ND	U	10	ND	U	10	ND	U	4.9	ND	U	4.67	ND	U	4.9	ND	U	4.9	ND	U	4.72
	DIBENZO(A,H)ANTHRACENE	N/A	N/A	N/A	ND	U	4.9	ND	U	10	ND	U	10	ND	U	4.9	ND	U	4.67	ND	U	4.9	ND	U	4.9	ND	U	4.72
	FLUORANTHENE	N/A	N/A	N/A	ND	U	4.9	ND	U	10	ND	U	10	ND	U	4.9	ND	U	4.67	ND	U	4.9	ND	U	4.9	ND	U	4.72

Table 5-1
Groundwater Analytical Results
January - March 2012

			LOCATION CODE		KAFB-106067			KAFB-106068			KAFB-106068			KAFB-106069			KAFB-106070			KAFB-106071			KAFB-106072			KAFB-106073		
			SAMPLE NO		GW0448			GW0449			GW0450			GW0451			GW0452			GW0453			GW0454			GW0455		
			SAMPLE DATE		8-Feb-12			17-Feb-12			17-Feb-12			21-Feb-12			6-Feb-12			6-Feb-12			7-Feb-12			23-Feb-12		
			SAMPLE PURPOSE		REG			REG			FD			REG			REG			REG			REG			REG		
			SAMPLE DEPTH		485-505 FT			580-595 FT			580-595 FT			506-521 FT			460-480 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[c]	EPA MCLs[b,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
PAHs (µg/L) Method 8270C (continued)	FLUORENE	N/A	N/A	N/A	ND	U	4.9	ND	U	10	ND	U	10	ND	U	4.9	ND	U	4.67	ND	U	4.9	ND	U	4.9	ND	U	4.72
	INDENO(1,2,3-CD)PYRENE	N/A	N/A	N/A	ND	U	4.9	ND	U	10	ND	U	10	ND	U	4.9	ND	U	4.67	ND	U	4.9	ND	U	4.9	ND	U	4.72
	NAPHTHALENE	N/A	N/A	30	ND	U	4.9	ND	U	10	ND	U	10	ND	U	4.9	ND	U	4.67	ND	U	4.9	ND	U	4.9	ND	U	4.72
	PHENANTHRENE	N/A	N/A	N/A	ND	U	4.9	ND	U	10	ND	U	10	ND	U	4.9	ND	U	4.67	ND	U	4.9	ND	U	4.9	ND	U	4.72
	PYRENE	N/A	N/A	N/A	ND	U	4.9	ND	U	10	ND	U	10	ND	U	4.9	ND	U	4.67	ND	U	4.9	ND	U	4.9	ND	U	4.72
PAHs (µg/L) Method 8270C Low Detection Limit	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
Metals (mg/L) Method 6010B	CALCIUM	N/A	N/A	N/A	48.9		5	36.9		5	36.7		5	41.3		5	59.9		5	37.5		5	51.8		5	54.4		5
	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
	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	0.00215	J	0.003
	MAGNESIUM	N/A	N/A	N/A	6.66		5	4.87	J	5	4.84	J	5	5.4		5	8.05		5	4.94	J	5	6.8		5	7.53		5
	MANGANESE, DISSOLVED	0.2	N/A	0.05	0.0483		0.015	ND	U	0.015	ND	U	0.015	ND	U	0.015	0.0511		0.015	ND	U	0.015	0.0212		0.015	ND	U	0.015
	POTASSIUM	N/A	N/A	N/A	2.45	J	5	1.99	J	5	1.97	J	5	2.06	J	5	2.89	J	5	2.18	J	5	2.62	J	5	2.73	J	5
	SODIUM	N/A	N/A	N/A	25.4		5	22.7		5	22.5		5	22.2		5	27.5		5	22.6		5	25.2		5	27.1		5
Anions (mg/L) Method E300.0	CHLORIDE	250	N/A	250	11.7		0.5	8.63		0.5	8.66		0.5	10.4		0.5	21.1		0.5	9.83		0.5	15.5		0.5	37		0.5
	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
	NITROGEN, NITRATE-NITRITE (Method E353.2)	N/A	4	N/A	ND	U	1.5	0.277	J	1.5	0.258	J	1.5	0.671	J	1.5	ND	U	1.5	0.262	J	1.5	ND	U	1.5	ND	U	1.5
	SULFATE	600	N/A	250	32.2		2	29.8		2	29.9		2	30.5		2	46.5		2	32		2	43.7		2	35.5		2
	SULFIDE, TOTAL (Method 4500S2CF)	N/A	N/A	N/A	0.69	J	3.45	ND	U	3.85	ND	U	3.7	ND	U	3.39	ND	U	3.39	ND	U	3.45	0.69	J	3.45	ND	U	3.7
Alkalinity (mg/L) Method SM2320B	ALKALINITY, BICARBONATE (AS CACO3)	N/A	N/A	N/A	144		1	101		1	97.3		1	118		1	144		1	92.5		1	130		1	125		1
	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
Field Parameters	Temperature (°C)	N/A	N/A	N/A	17.97			18.79			18.79			17.92			18.24			17.86			18.03			18.20		
	pH (S.U.)	N/A	N/A	N/A	7.57			7.78			7.78			7.78			7.57			7.87			7.54			7.67		
	Spec Cond (µS/cm2)	N/A	N/A	N/A	383.5			287.1			287.1			300.5			417.1			293.6			370.7			409.0		
	DO (mg/L)	N/A	N/A	N/A	4.91			10.75			10.75			7.20			2.84			8.36			4.57			10.06		
	ORP (mV)	N/A	N/A	N/A	84			180			180			166			70			137			76			123		
	Turbidity (NTU)	N/A	N/A	N/A	NR			0.42			0.42			2.69			4.04			0.96			0.90			0.65		
	Alkalinity (mg/L as CaCO3)	N/A	N/A	N/A	132			124			124			124			155			85			150			142		

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

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

d. 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 "*". Concentration exceeding standards are **BOLD.**

e. KAFB-10612 not measured during Quarter 1, 2012 due to a non-operational corroded pump.

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 low.

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 or Not available

ND = Not detected

NM = not measured due to equipment malfunction.

NR = Not recorded or reported due to operational error

R = sample data rejected due to site contamination

THIS PAGE INTENTIONALLY LEFT BLANK

Table 5-1
Groundwater Analytical Results
January - March 2012

				LOCATION CODE	KAFB-106074			KAFB-106075			KAFB-106076			KAFB-106077			KAFB-106077			KAFB-106078			KAFB-106079			KAFB-106080		
				SAMPLE NO	GW0456			GW0457			GW0458			GW0459			GW0460			GW0461			GW0462			GW0463		
				SAMPLE DATE	23-Feb-12			22-Feb-12			27-Mar-12			28-Feb-12			28-Feb-12			27-Feb-12			21-Feb-12			22-Feb-12		
				SAMPLE PURPOSE	REG			REG			REG			REG			FD			REG			REG			REG		
				SAMPLE DEPTH	570-585 FT			480-500 FT			480-500 FT			504-519 FT			504-519 FT			574-589 FT			484-504 FT			504-519 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[b]	NMED Approved Background[c]	EPA MCLs[b,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
TPH (µg/L) Method 8015B	DIESEL RANGE ORGANICS	N/A	N/A	N/A	ND	U	98	ND	U	96.2	156000	N/A	100000	ND	U	94.3	ND	U	96.2	116	N/A	92.6	38300	N/A	2450	9500	N/A	943
	GASOLINE RANGE ORGANICS	N/A	N/A	N/A	ND	U	150	ND	U	150	35500	N/A	1500	61.1	J	150	ND	U	150	ND	U	150	27500	N/A	1500	9270	N/A	750
VOCs (µg/L) Method 8260B	1,1,1,2-TETRACHLOROETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	200	ND	U	10
	1,1,1-TRICHLOROETHANE	60	N/A	60	ND	U	1	ND	U	1	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	200	ND	U	10
	1,1,2,2-TETRACHLOROETHANE	10	N/A	10	ND	U	1	ND	U	1	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	200	ND	U	10
	1,1,2-TRICHLOROETHANE	100	N/A	5	ND	U	1	ND	U	1	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	200	ND	U	10
	1,1-DICHLOROETHANE	25	N/A	25	ND	U	1	ND	U	1	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	200	ND	U	10
	1,1-DICHLOROETHENE	5	N/A	5	ND	U	1	ND	U	1	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	200	ND	U	10
	1,1-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	200	ND	U	10
	1,2,3-TRICHLOROBENZENE	N/A	N/A	N/A	ND	U	1	ND	UJ	1	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	UJ	200	ND	UJ	10
	1,2,3-TRICHLOROPROPANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	200	ND	U	2	ND	U	2	ND	U	2	ND	U	400	ND	U	20
	1,2,4-TRICHLOROBENZENE	N/A	N/A	70	ND	U	1	ND	U	1	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	200	ND	U	10
	1,2,4-TRIMETHYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	319	N/A	100	ND	U	1	ND	U	1	ND	U	1	213	N/A	200	104	N/A	10
	1,2-DIBROMO-3-CHLOROPROPANE	N/A	N/A	0.2	ND	U	2	ND	U	2	ND	U	200	ND	U	2	ND	U	2	ND	U	2	ND	U	400	ND	U	20
	1,2-DIBROMOETHANE	0.1	N/A	0.05	ND	U	1	ND	U	1	266	N/A	100	ND	U	1	ND	U	1	ND	U	1	ND	U	200	ND	U	10
	1,2-DIBROMOETHANE (Method 8011)	0.1	N/A	0.05	ND	U	0.0283	0.116	N/A	0.028	207	N/A	7.12	ND	U	0.0282	ND	U	0.028	ND	U	0.0282	1.59	N/A	0.142	1.36	N/A	0.141
	1,2-DICHLOROBENZENE	N/A	N/A	600	ND	U	1	ND	U	1	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	200	ND	U	10
	1,2-DICHLOROETHANE	10	N/A	5	ND	U	1	ND	U	1	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	200	ND	U	10
	1,2-DICHLOROPROPANE	N/A	N/A	5	ND	U	1	ND	U	1	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	200	ND	U	10
	1,3,5-TRIMETHYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	89	J	100	ND	U	1	ND	U	1	ND	U	1	73	J	200	43.6	N/A	10
	1,3-DICHLOROBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	200	ND	U	10
	1,3-DICHLOROPROPANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	200	ND	U	10
	1,4-DICHLOROBENZENE	N/A	N/A	75	ND	U	1	ND	U	1	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	200	ND	U	10
	2,2-DICHLOROPROPANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	200	ND	U	10
	2-BUTANONE	N/A	N/A	N/A	ND	U	10	ND	U	10	3210	N/A	1000	ND	U	10	ND	U	10	ND	U	10	571	J	2000	ND	U	100
	2-CHLOROTOLUENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	200	ND	U	10
	2-HEXANONE	N/A	N/A	N/A	ND	U	5	ND	U	5	1310	N/A	500	ND	U	5	ND	U	5	ND	U	5	ND	U	1000	ND	U	50
	4-CHLOROTOLUENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	200	ND	U	10
	4-METHYL-2-PENTANONE	N/A	N/A	N/A	ND	U	5	ND	U	5	785	N/A	500	ND	U	5	ND	U	5	ND	U	5	ND	U	1000	23.3	J	50
	ACETONE	N/A	N/A	N/A	ND	UJ	10	ND	U	10	25500	J-	1000	ND	UJ	10	ND	UJ	10	ND	UJ	10	1520	J	2000	81.7	J	100
	BENZENE	10	N/A	5	ND	U	1	ND	U	1	5680	N/A	100	ND	U	1	ND	U	1	ND	U	1	13000	N/A	200	2730	N/A	20
	BROMOBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	200	ND	U	10
	BROMOCHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	200	ND	U	10
	BROMODICHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	200	ND	U	10
	BROMOFORM	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	200	ND	U	10
	BROMOMETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	200	ND	U	2	ND	U	2	ND	U	2	ND	U	400	ND	U	20
	CARBON DISULFIDE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	200	ND	U	10
	CARBON TETRACHLORIDE	10	N/A	5	ND	U	1	ND	U	1	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	200	ND	U	10
	CHLOROBENZENE	N/A	N/A	100	ND	U	1	ND	U	1	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	200	ND	U	10
	CHLOROETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	200	ND	U	2	ND	U	2	ND	U	2	ND	U	400	ND	U	20
	CHLOROFORM	100	N/A	100	ND	U	1	ND	U	1	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	200	ND	U	10
	CHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	200	ND	U	10
	CIS-1,2-DICHLOROETHENE	N/A	N/A	70	ND	U	1	ND	U	1	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	200	ND	U	10
	CIS-1,3-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	200	ND	U	10
	DIBROMOCHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	200	ND	U	10
	DIBROMOMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	200	ND	U	10
	DICHLORODIFLUOROMETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	200	0.56	J+	2	0.52	J+	2	ND	U	2	ND	U	400	ND	U	20
	ETHYLBENZENE	750	N/A	700	ND	U	1	ND	U	1	664	N/A	100	ND	U	1	ND	U	1	ND	U	1	1270	N/A	200	1080	N/A	10
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	1	ND	UJ	1	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	UJ	200	ND	UJ	10
	ISOPROPYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	57	J	100	ND	U	1	ND	U	1	ND	U	1	96.8	J	200	81.1	N/A	10
	METHYL TERT-BUTYL ETHER	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	200	ND	U	10
	METHYLENE CHLORIDE	100	N/A	5	ND	U	2	ND	U	2	ND	U	200	ND	U	2	ND	U	2	ND	U	2	ND	U	400	ND	U	20
	NAPHTHALENE	N/A	N/A	30	ND	U	1	ND	UJ	1	197	N/A	100	ND	U	1	ND	U	1	ND	U	1	233	J-	200	80.8	J-	10
	N-BUTYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	200	6.24	J	10
	N-PROPYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	69	J	100	ND	U	1	ND	U	1	ND	U	1	101	J	200	75.8	N/A	10
	P-ISOPROPYLTOLUENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	200	7.56	J	10
	SEC-BUTYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	200	8.61	J	10
	STYRENE	N/A	N/A	100	ND	U	1	ND	U	1	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	200	ND	U	10
	TERT-BUTYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	200	ND	U	10
	TETRACHLOROETHENE	N/A	N/A	5	ND	U	1	ND	U	1	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	200	ND	U	10
	TOLUENE	750	N/A	750	ND	U	1	ND	U	1	7580	N/A	100	ND	U	1	ND	U	1	1	N/A	1	3510	N/A	200	713	N/A	10
	TRANS-1,2-DICHLOROETHENE	N/A	N/A	100	ND	U	1	ND	U	1	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	200	ND	U	10
	TRANS-1,3-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	200	ND	U	10
	TRICHLOROETHENE	N/A	N/A	5	ND	U	1	ND	U	1	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	200	ND	U	10
	TRICHLOROFLUOROMETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	200	ND	U	2	ND	U	2	ND	U	2	ND	U	400	ND	U	20
	VINYL CHLORIDE	1	N/A	1	ND	U	1	ND	U	1	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	200	ND	U	10
	XYLENES	620	N/A	10000	ND	U	3	ND	U	3	2620	N/A	300	0.9	J	3	0.92	J	3	0.87	J	3	1030	N/A	600	353	N/A	30

Table 5-1
Groundwater Analytical Results
January - March 2012

			LOCATION CODE		KAFB-106074			KAFB-106075			KAFB-106076			KAFB-106077			KAFB-106077			KAFB-106078			KAFB-106079			KAFB-106080		
			SAMPLE NO		GW0456			GW0457			GW0458			GW0459			GW0460			GW0461			GW0462			GW0463		
			SAMPLE DATE		23-Feb-12			22-Feb-12			27-Mar-12			28-Feb-12			28-Feb-12			27-Feb-12			21-Feb-12			22-Feb-12		
			SAMPLE PURPOSE		REG			REG			REG			REG			FD			REG			REG			REG		
			SAMPLE DEPTH		570-585 FT			480-500 FT			480-500 FT			504-519 FT			504-519 FT			574-589 FT			484-504 FT			504-519 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[b]	NMED Approved Background[c]	EPA MCLs[b,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
SVOCs (µg/L) Method 8270C	1,1-BIPHENYL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	490	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	4.81	ND	U	4.9
	1,2-DIPHENYLHYDRAZINE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	490	ND	U	4.81	ND	U	5	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	UJ	4.9	ND	U	490	ND	U	4.81	ND	U	5	ND	U	4.72	ND	UJ	4.81	ND	UJ	4.9
	2,4,6-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	UJ	4.9	ND	U	490	ND	U	4.81	ND	U	5	ND	U	4.72	ND	UJ	4.81	ND	UJ	4.9
	2,4-DICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	490	ND	U	4.81	ND	U	5	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	1960	ND	U	19.2	ND	U	20	ND	U	18.9	ND	U	19.2	ND	U	19.6
	2,4-DINITROPHENOL	N/A	N/A	N/A	ND	U	47.2	ND	UJ	49	ND	U	4900	ND	U	48.1	ND	U	50	ND	U	47.2	ND	UJ	48.1	ND	UJ	49
	2,4-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.72	ND	UJ	4.9	ND	U	490	ND	U	4.81	ND	U	5	ND	U	4.72	ND	UJ	4.81	ND	UJ	4.9
	2,6-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.72	ND	UJ	4.9	ND	U	490	ND	U	4.81	ND	U	5	ND	U	4.72	ND	UJ	4.81	ND	UJ	4.9
	2-CHLORONAPHTHALENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	490	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	4.81	ND	U	4.9
	2-CHLOROPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	490	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	4.81	ND	U	4.9
	2-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	343	J	490	ND	U	4.81	ND	U	5	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	UJ	19.6	ND	U	1960	ND	U	19.2	ND	U	20	ND	U	18.9	ND	UJ	19.2	ND	UJ	19.6
	2-NITROPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	490	ND	U	4.81	ND	U	5	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	490	ND	U	4.81	ND	U	5	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	ND	U	4.9	ND	U	490	ND	U	4.81	ND	U	5	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	1960	ND	U	19.2	ND	U	20	ND	U	18.9	ND	U	19.2	ND	U	19.6
	4,6-DINITRO-2-METHYLPHENOL	N/A	N/A	N/A	ND	U	18.9	ND	U	19.6	ND	U	1960	ND	U	19.2	ND	U	20	ND	U	18.9	ND	U	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	490	ND	U	4.81	ND	U	5	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	490	ND	U	4.81	ND	U	5	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	490	ND	U	4.81	ND	U	5	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	490	ND	U	4.81	ND	U	5	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	UJ	19.6	ND	U	1960	ND	U	19.2	ND	U	20	ND	U	18.9	ND	UJ	19.2	ND	UJ	19.6
	4-NITROPHENOL	N/A	N/A	N/A	ND	U	18.9	ND	UJ	19.6	ND	U	1960	ND	UJ	19.2	ND	UJ	20	ND	UJ	18.9	ND	UJ	19.2	ND	UJ	19.6
	ACETOPHENONE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	32800	N/A	2450	ND	U	4.81	ND	U	5	ND	U	4.72	2650	N/A	240	51.3	N/A	4.9
	ATRAZINE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	490	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	4.81	ND	U	4.9
	BENZALDEHYDE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	490	ND	U	4.81	ND	U	5	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	4900	ND	U	48.1	ND	U	50	ND	U	47.2	ND	U	48.1	ND	U	49
	BENZOIC ACID	N/A	N/A	N/A	ND	U	47.2	ND	UJ	49	ND	U	4900	ND	U	48.1	ND	U	50	ND	U	47.2	ND	UJ	48.1	ND	UJ	49
	BIS(2-CHLOROETHOXY)METHANE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	490	ND	U	4.81	ND	U	5	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	490	ND	U	4.81	ND	U	5	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	UJ	4.9	ND	U	490	ND	U	4.81	ND	U	5	ND	U	4.72	ND	UJ	4.81	ND	UJ	4.9
	BIS(2-ETHYLHEXYL)PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	490	ND	U	4.81	ND	U	5	9.6	N/A	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	490	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	4.81	ND	U	4.9
	CAPROLACTAM	N/A	N/A	N/A	ND	UJ	4.72	ND	UJ	4.9	ND	UJ	490	ND	UJ	4.81	ND	UJ	5	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	490	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	4.81	ND	U	4.9
	DIBENZOFURAN	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	490	ND	U	4.81	ND	U	5	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	490	ND	U	4.81	ND	U	5	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	490	ND	U	4.81	ND	U	5	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	490	ND	U	4.81	ND	U	5	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	490	ND	U	4.81	ND	U	5	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	490	ND	U	4.81	ND	U	5	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	490	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	4.81	ND	U	4.9
	HEXACHLOROCYCLOPENTADIENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	490	ND	U	4.81	ND	U	5	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	U	490	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	4.81	ND	U	4.9
	ISOPHORONE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	490	ND	U	4.81	ND	U	5	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	490	ND	U	4.81	ND	U	5	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	490	ND	U	4.81	ND	U	5	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	UJ	4.9	ND	U	490	ND	U	4.81	ND	U	5	ND	U	4.72	ND	UJ	4.81	ND	UJ	4.9
	PENTACHLOROPHENOL	N/A	N/A	N/A	ND	U	18.9	ND	U	19.6	ND	U	1960	ND	U	19.2	ND	U	20	ND	U	18.9	ND	U	19.2	ND	U	19.6
	PHENOL	N/A	N/A	5	ND	U	4.72	ND	U	4.9	ND	U	490	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	4.81	ND	U	4.9
PAHs (µg/L) Method	1-METHYL NAPHTHALENE	N/A	N/A	30	ND	U	4.72	ND	U	4.9	ND	U	490	ND	U	4.81	ND	U	5	ND	U	4.72	25.6	N/A	4.81	19.5	N/A	4.9
	2-METHYL NAPHTHALENE	N/A	N/A	30	ND	U	4.72	ND	U	4.9	ND	U	490	ND	U	4.81	ND	U	5	ND	U	4.72	35.8	N/A	4.81	14.9	N/A	4.9
	ACENAPHTHENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	490	ND	U	4.81	ND	U	5	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	490	ND	U	4.81	ND	U	5	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	490	ND	U	4.81	ND	U	5	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	490	ND	U	4.81	ND	U	5	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	490	ND	U	4.81	ND	U	5	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	490	ND	U	4.81	ND	U	5	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	490	ND	U	4.81	ND	U	5	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	490	ND	U	4.81	ND	U	5	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	490	ND	U	4.81	ND	U	5	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	490	ND	U	4.81	ND	U	5	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	490	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	4.81	ND	U	4.9

Table 5-1
Groundwater Analytical Results
January - March 2012

			LOCATION CODE		KAFB-106074			KAFB-106075			KAFB-106076			KAFB-106077			KAFB-106077			KAFB-106078			KAFB-106079			KAFB-106080		
			SAMPLE NO		GW0456			GW0457			GW0458			GW0459			GW0460			GW0461			GW0462			GW0463		
			SAMPLE DATE		23-Feb-12			22-Feb-12			27-Mar-12			28-Feb-12			28-Feb-12			27-Feb-12			21-Feb-12			22-Feb-12		
			SAMPLE PURPOSE		REG			REG			REG			REG			FD			REG			REG			REG		
			SAMPLE DEPTH		570-585 FT			480-500 FT			480-500 FT			504-519 FT			504-519 FT			574-589 FT			484-504 FT			504-519 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[b]	NMED Approved Background[c]	EPA MCLs[b,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
PAHs (µg/L) Method 8270C (continued)	FLUORENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	490	ND	U	4.81	ND	U	5	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	490	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	4.81	ND	U	4.9
	NAPHTHALENE	N/A	N/A	30	ND	U	4.72	ND	U	4.9	162	J	490	ND	U	4.81	ND	U	5	ND	U	4.72	96.1	N/A	4.81	39	N/A	4.9
	PHENANTHRENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.9	ND	U	490	ND	U	4.81	ND	U	5	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	490	ND	U	4.81	ND	U	5	ND	U	4.72	ND	U	4.81	ND	U	4.9
PAHs (µg/L) Method 8270C Low Detection Limit	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
Metals (mg/L) Method 6010B	CALCIUM	N/A	N/A	N/A	34.1		5	51.2		5	106		5	34.9		5	33.9		5	30.1		5	172		5	149		5
	IRON, DISSOLVED	1	N/A	0.3	ND	U	0.1	ND	U	0.1	5.33		0.1	ND	U	0.1	ND	U	0.1	ND	U	0.1	5.05		0.1	2.51		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
	MAGNESIUM	N/A	N/A	N/A	4.68	J	5	7.28		5	17.8		5	4.92	J	5	4.77	J	5	3.7	J	5	25		5	22.6		5
	MANGANESE, DISSOLVED	0.2	N/A	0.05	ND	U	0.015	0.0537		0.015	2.52		0.015	ND	U	0.015	ND	U	0.015	0.00532	J	0.015	4.5		0.015	4.53		0.015
	POTASSIUM	N/A	N/A	N/A	2.1	J	5	2.62	J	5	3.55	J	5	2.1	J	5	2.01	J	5	2.02	J	5	4.35	J	5	3.95	J	5
	SODIUM	N/A	N/A	N/A	23.1		5	25.4		5	61.2		5	21.6		5	20.8		5	18.7		5	46.2		5	41.6		5
Anions (mg/L) Method E300.0	CHLORIDE	250	N/A	250	7.35		0.5	12.9		0.5	38.9		1	8.07		0.5	8.05		0.5	6.78		0.5	134		0.5	127		0.5
	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
	NITROGEN, NITRATE-NITRITE (Method E353.2)	N/A	4	N/A	ND	U	1.5	ND	U	1.5	ND	U	1.5	0.254	J	1.5	ND	U	1.5	ND	U	1.5	ND	U	1.5	ND	U	1.5
	SULFATE	600	N/A	250	28		2	30.9		2	75.1		4	28.2		2	28.1		2	22.8		2	ND	U	2	23.2		2
	SULFIDE, TOTAL (Method 4500S2CF)	N/A	N/A	N/A	ND	U	3.7	ND	U	3.39	ND	U	3.7	ND	U	3.7	ND	U	3.7	ND	U	3.45	ND	U	3.7	ND	U	3.7
Alkalinity (mg/L) Method SM2320B	ALKALINITY, BICARBONATE (AS CACO3)	N/A	N/A	N/A	106		1	140		1	276		1	104		1	102		1	85.7		1	381		1	348		1
	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
Field Parameters	Temperature (°C)	N/A	N/A	N/A	18.28			18.54			19.06			17.99			17.99			18.86			18.58			18.27		
	pH (S.U.)	N/A	N/A	N/A	7.84			7.55			6.99			7.97			7.97			7.89			6.79			6.83		
	Spec Cond (µS/cm2)	N/A	N/A	N/A	267.0			366.9			818.6			270.5			270.5			233.3			1097.0			1006.0		
	DO (mg/L)	N/A	N/A	N/A	3.82			1.71			0.38			9.86			9.86			9.03			0.04			0.07		
	ORP (mV)	N/A	N/A	N/A	124			149			-178			158			158			162			-148			-155		
	Turbidity (NTU)	N/A	N/A	N/A	0.78			0.79			1.46			1.67			1.67			6.25			1.36			1.45		
	Alkalinity (mg/L as CaCO3)	N/A	N/A	N/A	118			142			344			105			105			108			242			248		

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

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

d. 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 "*". Concentration exceeding standards are **BOLD.**

e. KAFB-10612 not measured during Quarter 1, 2012 due to a non-operational corroded pump.

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 low.

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 or Not available

ND = Not detected

NM = not measured due to equipment malfunction.

NR = Not recorded or reported due to operational error

R = sample data rejected due to site contamination

THIS PAGE INTENTIONALLY LEFT BLANK

Table 5-1
Groundwater Analytical Results
January - March 2012

				LOCATION CODE	KAFB-106081			KAFB-106082			KAFB-106083			KAFB-106083			KAFB-106084			KAFB-106085			KAFB-106086			KAFB-106087		
				SAMPLE NO	GW0464			GW0465			GW0466			GW0467			GW0468			GW0469			GW0470			GW0471		
				SAMPLE DATE	21-Feb-12			26-Jan-12			26-Jan-12			26-Jan-12			26-Jan-12			16-Feb-12			16-Feb-12			14-Feb-12		
				SAMPLE PURPOSE	REG			REG			REG			FD			REG			REG			REG			REG		
				SAMPLE DEPTH	576-589 FT			472-492 FT			495-510 FT			495-510 FT			566-581 FT			447-477 FT			476-491 FT			452-482 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[b]	NMED Approved Background[c]	EPA MCLs[b,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
TPH (µg/L) Method 8015B	DIESEL RANGE ORGANICS	N/A	N/A	N/A	ND	U	94.3	5130	N/A	472	4160	N/A	96.2	4280	N/A	96.2	ND	U	94.3	1510	N/A	99	490	N/A	99	ND	U	96.2
	GASOLINE RANGE ORGANICS	N/A	N/A	N/A	ND	U	150	1290	N/A	150	1380	N/A	150	1380	N/A	150	ND	U	150	536	N/A	150	232	N/A	150	ND	U	150
VOCs (µg/L) Method 8260B	1,1,1,2-TETRACHLOROETHANE	N/A	N/A	N/A	ND	U	1	ND	U	2.5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,1,1-TRICHLOROETHANE	60	N/A	60	ND	U	1	ND	U	2.5	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	2.5	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	2.5	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	2.5	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	2.5	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	2.5	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	UJ	1	ND	UJ	2.5	ND	U	1	ND	U	1	ND	U	1	ND	UJ	1	ND	UJ	1	ND	U	1
	1,2,3-TRICHLOROPROPANE	N/A	N/A	N/A	ND	U	2	ND	U	5	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	2.5	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	36	N/A	2.5	46.6	N/A	1	49.8	N/A	1	ND	U	1	ND	U	1	0.798	J	1	ND	U	1
	1,2-DIBROMO-3-CHLOROPROPANE	N/A	N/A	0.2	ND	U	2	ND	U	5	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	2.5	0.251	J	1	0.271	J	1	ND	U	1	ND	U	1	0.735	J	1	ND	U	1
	1,2-DIBROMOETHANE (Method 8011)	0.1	N/A	0.05	ND	U	0.0283	0.558	N/A	0.028	0.166	N/A	0.0281	0.175	N/A	0.0281	ND	U	0.0285	0.0668	N/A	0.0283	0.713	N/A	0.0283	ND	U	0.0278
	1,2-DICHLOROBENZENE	N/A	N/A	600	ND	U	1	ND	U	2.5	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	2.41	J	2.5	1.98	N/A	1	1.95	N/A	1	ND	U	1	2.63	N/A	1	1.13	N/A	1	ND	U	1
	1,2-DICHLOROPROPANE	N/A	N/A	5	ND	U	1	ND	U	2.5	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	10.5	N/A	2.5	16	N/A	1	17.1	N/A	1	ND	U	1	2.33	N/A	1	1.45	N/A	1	ND	U	1
	1,3-DICHLOROBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	2.5	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	2.5	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	2.5	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	2.5	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	25	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	2.5	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	12.5	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	2.5	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	12.5	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	U	10	25.7	J+	25	9.81	J+	10	9.73	J	10	ND	U	10	92.2	N/A	10	5.96	J	10	ND	U	10
	BENZENE	10	N/A	5	ND	U	1	2.5	N/A	2.5	3.55	N/A	1	3.76	N/A	1	ND	U	1	0.31	J	1	0.333	J	1	ND	U	1
	BROMOBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	2.5	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	2.5	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	2.5	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	2.5	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	5	ND	U	2	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	2.49	J	2.5	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	2.5	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	2.5	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	5	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	2.5	0.576	J	1	0.75	J	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	2.5	ND	U	1	ND	UJ	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	2.5	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	2.5	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	2.5	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	2.5	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	5	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	3.03	N/A	2.5	2.49	N/A	1	2.72	N/A	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	UJ	1	ND	U	2.5	ND	U	1	ND	U	1	ND	U	1	ND	UJ	1	ND	UJ	1	ND	U	1
	ISOPROPYLBENZENE	N/A	N/A	N/A	ND	U	1	9.85	N/A	2.5	16.8	N/A	1	18.7	N/A	1	ND	U	1	0.697	J	1	3.79	N/A	1	ND	U	1
	METHYL TERT-BUTYL ETHER	N/A	N/A	N/A	ND	U	1	ND	U	2.5	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	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	2.5	1.38	N/A	1	1.59	N/A	1	0.35	J	1	ND	UJ	1	ND	UJ	1	ND	U	1
	N-BUTYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	2.5	0.843	J	1	0.948	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	2.33	J	2.5	7.72	N/A	1	8.85	N/A	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	P-ISOPROPYLTOLUENE	N/A	N/A	N/A	ND	U	1	1.72	J	2.5	2.56	N/A	1	2.99	N/A	1	ND	U	1	1.14	N/A	1	ND	U	1	ND	U	1
	SEC-BUTYLBENZENE	N/A	N/A	N/A	ND	U	1	0.884	J	2.5	1.14	N/A	1	1.38	N/A	1	ND	U	1	ND	U	1	0.314	J	1	ND	U	1
	STYRENE	N/A	N/A	100	ND	U	1	ND	U	2.5	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	2.5	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	2.5	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	2.5	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	2.5	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	2.5	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	2.5	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	5	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	2.5	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	108	N/A	7.5	116	N/A	3	124	N/A	3	ND	U	3	ND	U	3	2.51	J	3	ND	U	3

Table 5-1
Groundwater Analytical Results
January - March 2012

			LOCATION CODE		KAFB-106081			KAFB-106082			KAFB-106083			KAFB-106083			KAFB-106084			KAFB-106085			KAFB-106086			KAFB-106087		
			SAMPLE NO		GW0464			GW0465			GW0466			GW0467			GW0468			GW0469			GW0470			GW0471		
			SAMPLE DATE		21-Feb-12			26-Jan-12			26-Jan-12			26-Jan-12			26-Jan-12			16-Feb-12			16-Feb-12			14-Feb-12		
			SAMPLE PURPOSE		REG			REG			REG			FD			REG			REG			REG			REG		
			SAMPLE DEPTH		576-589 FT			472-492 FT			495-510 FT			495-510 FT			566-581 FT			447-477 FT			476-491 FT			452-482 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[b]	NMED Approved Background[c]	EPA MCLs[b,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
SVOCs (µg/L) Method 8270C	1,1-BIPHENYL	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.67
	1,2-DIPHENYLHYDRAZINE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.67
	2,4,5-TRICHLOROPHENOL	N/A	N/A	N/A	ND	UJ	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	UJ	4.9	ND	U	4.67
	2,4,6-TRICHLOROPHENOL	N/A	N/A	N/A	ND	UJ	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	UJ	4.9	ND	U	4.67
	2,4-DICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	UJ	4.9	ND	U	4.67
	2,4-DIMETHYLPHENOL	N/A	N/A	N/A	ND	U	19.2	ND	U	18.9	ND	U	19.2	ND	U	19.2	ND	U	18.9	ND	U	18.9	ND	UJ	19.6	ND	U	18.7
	2,4-DINITROPHENOL	N/A	N/A	N/A	ND	UJ	48.1	ND	U	47.2	ND	U	48.1	ND	U	48.1	ND	U	47.2	ND	U	47.2	ND	UJ	49	ND	U	46.7
	2,4-DINITROTOLUENE	N/A	N/A	N/A	ND	UJ	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.67
	2,6-DINITROTOLUENE	N/A	N/A	N/A	ND	UJ	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.67
	2-CHLORONAPHTHALENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.67
	2-CHLOROPHENOL	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	UJ	4.9	ND	U	4.67
	2-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	UJ	4.9	ND	U	4.67
	2-NITROANILINE	N/A	N/A	N/A	ND	UJ	19.2	ND	U	18.9	ND	U	19.2	ND	U	19.2	ND	U	18.9	ND	U	18.9	ND	UJ	19.6	ND	U	18.7
	2-NITROPHENOL	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	UJ	4.9	ND	U	4.67
	3,3'-DICHLOROBENZIDINE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.67
	3-METHYLPHENOL AND 4-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	3.29	J	4.81	4.07	J	4.81	ND	U	4.72	13.8	J-	4.72	ND	UJ	4.9	ND	UJ	4.67
	3-NITROANILINE	N/A	N/A	N/A	ND	U	19.2	ND	U	18.9	ND	U	19.2	ND	U	19.2	ND	U	18.9	ND	U	18.9	ND	U	19.6	ND	U	18.7
	4,6-DINITRO-2-METHYLPHENOL	N/A	N/A	N/A	ND	U	19.2	ND	U	18.9	ND	U	19.2	ND	U	19.2	ND	U	18.9	ND	U	18.9	ND	UJ	19.6	ND	U	18.7
	4-BROMOPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.67
	4-CHLORO-3-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	UJ	4.9	ND	U	4.67
	4-CHLOROANILINE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.67
	4-CHLOROPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.67
	4-NITROANILINE	N/A	N/A	N/A	ND	UJ	19.2	ND	U	18.9	ND	U	19.2	ND	U	19.2	ND	U	18.9	ND	U	18.9	ND	UJ	19.6	ND	U	18.7
	4-NITROPHENOL	N/A	N/A	N/A	ND	UJ	19.2	ND	U	18.9	ND	U	19.2	ND	U	19.2	ND	U	18.9	ND	U	18.9	ND	UJ	19.6	ND	U	18.7
	ACETOPHENONE	N/A	N/A	N/A	ND	U	4.81	5.4	N/A	4.72	2.37	J	4.81	2.78	J	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.67
	ATRAZINE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	UJ	4.81	ND	UJ	4.81	ND	UJ	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.67
	BENZALDEHYDE	N/A	N/A	N/A	ND	U	4.81	ND	UJ	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.67
	BENZIDINE	N/A	N/A	N/A	ND	U	48.1	ND	U	47.2	ND	U	48.1	ND	U	48.1	ND	U	47.2	ND	U	47.2	ND	U	49	ND	U	46.7
	BENZOIC ACID	N/A	N/A	N/A	ND	UJ	48.1	ND	U	47.2	ND	U	48.1	ND	U	48.1	ND	U	47.2	ND	U	47.2	ND	UJ	49	ND	U	46.7
	BIS(2-CHLOROETHOXY)METHANE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.67
	BIS(2-CHLOROETHYL)ETHER	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.67
	BIS(2-CHLOROISOPROPYL)ETHER	N/A	N/A	N/A	ND	UJ	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.67
	BIS(2-ETHYLHEXYL)PHTHALATE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.67
	BUTYL BENZYL PHTHALATE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.67
	CAPROLACTAM	N/A	N/A	N/A	ND	UJ	4.81	ND	UJ	4.72	ND	UJ	4.81	ND	UJ	4.81	ND	UJ	4.72	ND	UJ	4.72	ND	UJ	4.9	ND	UJ	4.67
	CARBAZOLE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.67
	DIBENZOFURAN	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.67
	DIETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.67
	DIMETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.67
	DI-N-BUTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.67
	DI-N-OCTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.67
	HEXACHLOROBENZENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.67
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.67
	HEXACHLOROCYCLOPENTADIENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.67
	HEXACHLOROETHANE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.67
	ISOPHORONE	N/A	N/A	N/A	ND	U	4.81	1.87	J	4.72	1.42	J	4.81	1.65	J	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.67
	NITROBENZENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.67
	N-NITROSO-DI-N-PROPYLAMINE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.67
	N-NITROSODIPHENYLAMINE	N/A	N/A	N/A	ND	UJ	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.67
	PENTACHLOROPHENOL	N/A	N/A	N/A	ND	U	19.2	ND	U	18.9	ND	U	19.2	ND	U	19.2	ND	U	18.9	ND	U	18.9	ND	UJ	19.6	ND	U	18.7
	PHENOL	N/A	N/A	5	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	UJ	4.9	ND	U	4.67
PAHs (µg/L) Method	1-METHYL NAPHTHALENE	N/A	N/A	30	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.67
	2-METHYL NAPHTHALENE	N/A	N/A	30	ND	U	4.81	1.74	J	4.72	ND	U	4.81	1.57	J	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.67
	ACENAPHTHENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.67
	ACENAPHTHYLENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.67
	ANTHRACENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.67
	BENZO(A)ANTHRACENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.67
	BENZO(A)PYRENE	0.7	N/A	0.2	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.67
	BENZO(B)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.67
	BENZO(GHI)PERYLENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	UJ	4.72	ND	U	4.9	ND	UJ	4.67
	BENZO(K)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.67
	CHRYSENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.67
	DIBENZO(A,H)ANTHRACENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	UJ	4.72	ND	U	4.9	ND	UJ	4.67
	FLUORANTHENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.67

Table 5-1
Groundwater Analytical Results
January - March 2012

			LOCATION CODE		KAFB-106081			KAFB-106082			KAFB-106083			KAFB-106083			KAFB-106084			KAFB-106085			KAFB-106086			KAFB-106087		
			SAMPLE NO		GW0464			GW0465			GW0466			GW0467			GW0468			GW0469			GW0470			GW0471		
			SAMPLE DATE		21-Feb-12			26-Jan-12			26-Jan-12			26-Jan-12			26-Jan-12			16-Feb-12			16-Feb-12			14-Feb-12		
			SAMPLE PURPOSE		REG			REG			REG			FD			REG			REG			REG			REG		
			SAMPLE DEPTH		576-589 FT			472-492 FT			495-510 FT			495-510 FT			566-581 FT			447-477 FT			476-491 FT			452-482 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[b]	NMED Approved Background[c]	EPA MCLs[b,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
PAHs (µg/L) Method 8270C (continued)	FLUORENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.67
	INDENO(1,2,3-CD)PYRENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.67
	NAPHTHALENE	N/A	N/A	30	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.67
	PHENANTHRENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.67
	PYRENE	N/A	N/A	N/A	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.9	ND	U	4.67
PAHs (µg/L) Method 8270C Low Detection Limit	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
Metals (mg/L) Method 6010B	CALCIUM	N/A	N/A	N/A	33.6		5	55.4		5	72.7		5	77		5	33.2		5	78.6		5	54.4		5	37.7		5
	IRON, DISSOLVED	1	N/A	0.3	ND	U	0.1	0.482		0.1	0.0707	J	0.1	0.0706	J	0.1	ND	U	0.1	0.0903	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
	MAGNESIUM	N/A	N/A	N/A	4.65	J	5	7.5		5	9.68		5	10.3		5	4.47	J	5	10.3		5	7		5	4.87	J	5
	MANGANESE, DISSOLVED	0.2	N/A	0.05	ND	U	0.015	1.06		0.015	0.171		0.015	0.171		0.015	ND	U	0.015	0.407		0.015	0.056	J	0.015	ND	U	0.015
	POTASSIUM	N/A	N/A	N/A	1.9	J	5	2.67	J	5	2.9	J	5	3.1	J	5	2	J	5	3.22	J	5	2.7	J	5	2.15	J	5
	SODIUM	N/A	N/A	N/A	21.8		5	30		5	30.5		5	32.5		5	22.1		5	29.4		5	25.3		5	22.2		5
Anions (mg/L) Method E300.0	CHLORIDE	250	N/A	250	7.54		0.5	31.6		0.5	65.8		0.5	65.8		0.5	7.22		0.5	58.6		0.5	32.7		0.5	7.14		0.5
	AMMONIA (AS N) (Method 4500NH3BG)	N/A	N/A	N/A	ND	U	0.3	0.147	J	0.3	ND	U	0.3	0.11	J	0.3	ND	U	0.3	ND	U	0.3	0.191	J	0.3	ND	U	0.3
	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
	SULFATE	600	N/A	250	28.1		2	53.2		2	66.7		2	66.8		2	27.8		2	46.3		2	37.1		2	27.4		2
	SULFIDE, TOTAL (Method 4500S2CF)	N/A	N/A	N/A	ND	U	3.57	0.741	J	3.7	ND	U	3.7	ND	U	3.7	0.69	J	3.45	ND	U	3.7	ND	U	3.7	ND	U	3.7
Alkalinity (mg/L) Method SM2320B	ALKALINITY, BICARBONATE (AS CACO3)	N/A	N/A	N/A	107		1	135		1	102		1	102		1	98.8		1	146		1	112		1	105		1
	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
Field Parameters	Temperature (°C)	N/A	N/A	N/A	18.12			18.06			18.37			18.37			18.66			18.68			18.33			18.67		
	pH (S.U.)	N/A	N/A	N/A	7.84			7.62			7.43			7.43			7.78			7.38			7.54			7.78		
	Spec Cond (µS/cm2)	N/A	N/A	N/A	274.1			483.3			590.9			590.9			287.6			540.0			386.1			271.7		
	DO (mg/L)	N/A	N/A	N/A	4.21			0.09			3.22			3.22			7.68			0.11			5.88			11.83		
	ORP (mV)	N/A	N/A	N/A	136			-178			-25			-25			172			-56			106			185		
	Turbidity (NTU)	N/A	N/A	N/A	0.27			1.23			0.74			0.74			0.24			0.48			0.47			0.67		
	Alkalinity (mg/L as CaCO3)	N/A	N/A	N/A	112			128			86			86			116			145			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. The WQCC regulation for PAHs of 30 ug/L is a total of the concentrations of naphthalene, 1-methylnaphthalene, and 2-methylnapthalene.

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

d. 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 "*". Concentration exceeding standards are **BOLD.**

e. KAFB-10612 not measured during Quarter 1, 2012 due to a non-operational corroded pump.

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 low.

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 or Not available

ND = Not detected

NM = not measured due to equipment malfunction.

NR = Not recorded or reported due to operational error

R = sample data rejected due to site contamination

THIS PAGE INTENTIONALLY LEFT BLANK

Table 5-1
Groundwater Analytical Results
January - March 2012

				LOCATION CODE	KAFB-106088			KAFB-106089			KAFB-106089			KAFB-106090			KAFB-106091			KAFB-106092			KAFB-106093			KAFB-106094		
				SAMPLE NO	GW0472			GW0473			GW0474			GW0475			GW0476			GW0477			GW0478			GW0479		
				SAMPLE DATE	26-Jan-12			26-Jan-12			26-Jan-12			26-Jan-12			20-Feb-12			21-Feb-12			20-Feb-12			7-Feb-12		
				SAMPLE PURPOSE	REG			REG			FD			REG			REG			REG			REG			REG		
				SAMPLE DEPTH	460-480 FT			482-497 FT			482-497 FT			555-570 FT			454-474 FT			474-487 FT			544-557 FT			484-504 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[b]	NMED Approved Background[c]	EPA MCLs[b,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
TPH (µg/L) Method 8015B	DIESEL RANGE ORGANICS	N/A	N/A	N/A	ND	U	96.2	ND	U	96.2	ND	U	96.2	ND	U	98	879	N/A	93.5	2170	N/A	100	ND	U	96.2	2010	N/A	100
	GASOLINE RANGE ORGANICS	N/A	N/A	N/A	ND	U	150	ND	U	150	ND	U	150	ND	U	150	467	N/A	150	1420	N/A	150	ND	U	150	533	N/A	150
VOCs (µg/L) Method 8260B	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	2	ND	U	1	ND	U	2
	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	2	ND	U	1	ND	U	2
	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	2	ND	U	1	ND	U	2
	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	2	ND	U	1	ND	U	2
	1,1-DICHLOROETHANE	25	N/A	25	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2	ND	U	1	ND	U	2
	1,1-DICHLOROETHENE	5	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2	ND	U	1	ND	U	2
	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	2	ND	U	1	ND	U	2
	1,2,3-TRICHLOROBENZENE	N/A	N/A	N/A	ND	U	1	ND	UJ	1	ND	U	1	ND	U	1	ND	UJ	1	ND	UJ	2	ND	UJ	1	ND	U	2
	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	4	ND	U	2	ND	U	4
	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	2	ND	U	1	ND	U	2
	1,2,4-TRIMETHYLBENZENE	N/A	N/A	N/A	0.631	J	1	ND	U	1	ND	U	1	ND	U	1	1.45	N/A	1	ND	U	2	ND	U	1	ND	U	2
	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	4	ND	U	2	ND	U	4
	1,2-DIBROMOETHANE	0.1	N/A	0.05	0.55	J	1	0.466	J	1	0.456	J	1	ND	U	1	ND	U	1	ND	U	2	ND	U	1	ND	U	2
	1,2-DIBROMOETHANE (Method 8011)	0.1	N/A	0.05	0.476	N/A	0.0282	0.432	N/A	0.0284	0.434	N/A	0.0285	ND	U	0.0286	0.124	N/A	0.0283	0.121	N/A	0.0286	ND	U	0.0281	0.628	N/A	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	2	ND	U	1	ND	U	2
	1,2-DICHLOROETHANE	10	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	1.46	N/A	1	3.05	N/A	2	ND	U	1	1.56	J	2
	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	2	ND	U	1	ND	U	2
	1,3,5-TRIMETHYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	0.895	J	1	1.73	J	2	ND	U	1	0.563	J	2
	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	2	ND	U	1	ND	U	2
	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	2	ND	U	1	ND	U	2
	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	2	ND	U	1	ND	U	2
	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	2	ND	U	1	ND	U	2
	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	20	ND	U	10	ND	U	20
	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	2	ND	U	1	ND	U	2
	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	10	ND	U	5	ND	U	10
	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	2	ND	U	1	ND	U	2
	4-METHYL-2-PENTANONE	N/A	N/A	N/A	3.73	J	5	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	10	ND	U	5	ND	U	10
	ACETONE	N/A	N/A	N/A	10.3	N/A	10	ND	U	10	ND	U	10	ND	U	10	4.54	J	10	7.6	J	20	ND	U	10	34.4	J-	20
	BENZENE	10	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	0.943	J	2	ND	U	1	50.5	N/A	2
	BROMOBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2	ND	U	1	ND	U	2
	BROMOCHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2	ND	U	1	ND	U	2
	BROMODICHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2	ND	U	1	ND	U	2
	BROMOFORM	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2	ND	U	1	ND	U	2
	BROMOMETHANE	N/A	N/A	N/A	ND	UJ	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	4	ND	U	2	ND	U	4
	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	2	ND	U	1	5.45	N/A	2
	CARBON TETRACHLORIDE	10	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2	ND	U	1	ND	U	2
	CHLOROBENZENE	N/A	N/A	100	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2	ND	U	1	ND	U	2
	CHLOROETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	4	ND	U	2	ND	U	4
	CHLOROFORM	100	N/A	100	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2	ND	U	1	ND	U	2
	CHLOROMETHANE	N/A	N/A	N/A	ND	UJ	1	ND	UJ	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2	ND	U	1	ND	UJ	2
	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	2	ND	U	1	ND	U	2
	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	2	ND	U	1	ND	U	2
	DIBROMOCHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2	ND	U	1	ND	U	2
	DIBROMOMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2	ND	U	1	ND	U	2
	DICHLORODIFLUOROMETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	4	ND	U	2	ND	U	4
	ETHYLBENZENE	750	N/A	700	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	0.815	J	2	ND	U	1	1.35	J	2
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	1	ND	UJ	1	ND	U	1	ND	U	1	ND	UJ	1	ND	UJ	2	ND	UJ	1	ND	U	2
	ISOPROPYLBENZENE	N/A	N/A	N/A	0.513	J	1	ND	U	1	ND	U	1	ND	U	1	2.06	N/A	1	5.25	N/A	2	ND	U	1	1.12	J	2
	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	2	ND	U	1	ND	U	2
	METHYLENE CHLORIDE	100	N/A	5	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	4	ND	U	2	ND	U	4
	NAPHTHALENE	N/A	N/A	30	ND	U	1	ND	U	1	ND	U	1	ND	U	1	6.57	J-	1	2.94	J-	2	ND	U	1	0.879	J	2
	N-BUTYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	0.324	J	1	ND	U	2	ND	U	1	ND	U	2
	N-PROPYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	0.297	J	1	ND	U	2	ND	U	1	ND	U	2
	P-ISOPROPYLTOLUENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	0.629	J	1	1.12	J	2	ND	U	1	ND	U	2
	SEC-BUTYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	0.297	J	1	ND	U	2	ND	U	1	ND	U	2
	STYRENE	N/A	N/A	100	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2	ND	U	1	ND	U	2
	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	2	ND	U	1	ND	U	2
	TETRACHLOROETHENE	N/A	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2	ND	U	1	ND	U	2
	TOLUENE	750	N/A	750	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2	ND	U	1	2.23	N/A	2
	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	2	ND	U	1	ND	U	2
	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	2	ND	U	1	ND	U	2
	TRICHLOROETHENE	N/A	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2	ND	U	1	ND	U	2
	TRICHLOROFLUOROMETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	4	ND	U	2	ND	U	4
	VINYL CHLORIDE	1	N/A	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2	ND	U	1	ND	U	2
	XYLENES	620	N/A	10000	2.08	J	3	ND	U	3	ND	U	3	ND	U	3	0.835	J	3	ND	U	6	ND	U	3	3.53	J	6

Table 5-1
Groundwater Analytical Results
January - March 2012

			LOCATION CODE		KAFB-106088			KAFB-106089			KAFB-106089			KAFB-106090			KAFB-106091			KAFB-106092			KAFB-106093			KAFB-106094		
			SAMPLE NO		GW0472			GW0473			GW0474			GW0475			GW0476			GW0477			GW0478			GW0479		
			SAMPLE DATE		26-Jan-12			26-Jan-12			26-Jan-12			26-Jan-12			20-Feb-12			21-Feb-12			20-Feb-12			7-Feb-12		
			SAMPLE PURPOSE		REG			REG			FD			REG			REG			REG			REG			REG		
			SAMPLE DEPTH		460-480 FT			482-497 FT			482-497 FT			555-570 FT			454-474 FT			474-487 FT			544-557 FT			484-504 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[b]	NMED Approved Background[c]	EPA MCLs[b,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
SVOCs (µg/L) Method 8270C	1,1-BIPHENYL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5
	1,2-DIPHENYLHYDRAZINE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.67	ND	U	5	ND	U	4.81	ND	UJ	5
	2,4,5-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	UJ	4.67	ND	UJ	5	ND	UJ	4.81	ND	U	5
	2,4,6-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	UJ	4.67	ND	UJ	5	ND	UJ	4.81	ND	U	5
	2,4-DICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5
	2,4-DIMETHYLPHENOL	N/A	N/A	N/A	ND	U	18.9	ND	U	18.9	ND	U	18.9	ND	U	19.2	ND	U	18.7	ND	U	20	ND	U	19.2	ND	U	20
	2,4-DINITROPHENOL	N/A	N/A	N/A	ND	U	47.2	ND	U	47.2	ND	U	47.2	ND	U	48.1	ND	UJ	46.7	ND	UJ	50	ND	UJ	48.1	ND	U	50
	2,4-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	UJ	4.67	ND	UJ	5	ND	UJ	4.81	ND	U	5
	2,6-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	UJ	4.67	ND	UJ	5	ND	UJ	4.81	ND	U	5
	2-CHLORONAPHTHALENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5
	2-CHLOROPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5
	2-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5
	2-NITROANILINE	N/A	N/A	N/A	ND	U	18.9	ND	U	18.9	ND	U	18.9	ND	U	19.2	ND	UJ	18.7	ND	UJ	20	ND	UJ	19.2	ND	U	20
	2-NITROPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5
	3,3'-DICHLOROBENZIDINE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5
	3-METHYLPHENOL AND 4-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.67	ND	U	5	ND	U	4.81	23.7	N/A	5
	3-NITROANILINE	N/A	N/A	N/A	ND	U	18.9	ND	U	18.9	ND	U	18.9	ND	U	19.2	ND	U	18.7	ND	U	20	ND	U	19.2	ND	U	20
	4,6-DINITRO-2-METHYLPHENOL	N/A	N/A	N/A	ND	U	18.9	ND	U	18.9	ND	U	18.9	ND	U	19.2	ND	U	18.7	ND	U	20	ND	U	19.2	ND	U	20
	4-BROMOPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5
	4-CHLORO-3-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5
	4-CHLOROANILINE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5
	4-CHLOROPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5
	4-NITROANILINE	N/A	N/A	N/A	ND	U	18.9	ND	U	18.9	ND	U	18.9	ND	U	19.2	ND	UJ	18.7	ND	UJ	20	ND	UJ	19.2	ND	U	20
	4-NITROPHENOL	N/A	N/A	N/A	ND	U	18.9	ND	U	18.9	ND	U	18.9	ND	U	19.2	ND	UJ	18.7	ND	UJ	20	ND	UJ	19.2	ND	U	20
	ACETOPHENONE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5
	ATRAZINE	N/A	N/A	N/A	ND	UJ	4.72	ND	U	4.72	ND	U	4.72	ND	UJ	4.81	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5
	BENZALDEHYDE	N/A	N/A	N/A	ND	U	4.72	ND	UJ	4.72	ND	UJ	4.72	ND	U	4.81	ND	U	4.67	ND	U	5	ND	U	4.81	ND	UJ	5
	BENZIDINE	N/A	N/A	N/A	ND	U	47.2	ND	U	47.2	ND	U	47.2	ND	U	48.1	ND	U	46.7	ND	U	50	ND	U	48.1	ND	U	50
	BENZOIC ACID	N/A	N/A	N/A	ND	U	47.2	ND	U	47.2	ND	U	47.2	ND	U	48.1	ND	UJ	46.7	ND	UJ	50	ND	UJ	48.1	ND	U	50
	BIS(2-CHLOROETHOXY)METHANE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5
	BIS(2-CHLOROETHYL)ETHER	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5
	BIS(2-CHLOROISOPROPYL)ETHER	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	UJ	4.67	ND	UJ	5	ND	UJ	4.81	ND	U	5
	BIS(2-ETHYLHEXYL)PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5
	BUTYL BENZYL PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5
	CAPROLACTAM	N/A	N/A	N/A	ND	UJ	4.72	ND	UJ	4.72	ND	UJ	4.72	ND	UJ	4.81	ND	UJ	4.67	ND	UJ	5	ND	UJ	4.81	ND	UJ	5
	CARBAZOLE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5
	DIBENZOFURAN	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5
	DIETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5
	DIMETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5
	DI-N-BUTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5
	DI-N-OCTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5
	HEXACHLOROBENZENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5
	HEXACHLOROCYCLOPENTADIENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5
	HEXACHLOROETHANE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.67	ND	U	5	ND	U	4.81	ND	UJ	5
	ISOPHORONE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5
	NITROBENZENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.67	ND	U	5	ND	U	4.81	ND	UJ	5
	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	4.81	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5
	N-NITROSODIPHENYLAMINE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	UJ	4.67	ND	UJ	5	ND	UJ	4.81	ND	U	5
	PENTACHLOROPHENOL	N/A	N/A	N/A	ND	U	18.9	ND	U	18.9	ND	U	18.9	ND	U	19.2	ND	U	18.7	ND	U	20	ND	U	19.2	ND	U	20
	PHENOL	N/A	N/A	5	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.67	ND	U	5	ND	U	4.81	ND	UJ	5
PAHs (µg/L) Method	1-METHYL NAPHTHALENE	N/A	N/A	30	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5
	2-METHYL NAPHTHALENE	N/A	N/A	30	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5
	ACENAPHTHENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5
	ACENAPHTHYLENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5
	ANTHRACENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5
	BENZO(A)ANTHRACENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5
	BENZO(A)PYRENE	0.7	N/A	0.2	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5
	BENZO(B)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5
	BENZO(GHI)PERYLENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5
	BENZO(K)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5
	CHRYSENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5
	DIBENZO(A,H)ANTHRACENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5
	FLUORANTHENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5

Table 5-1
Groundwater Analytical Results
January - March 2012

			LOCATION CODE		KAFB-106088			KAFB-106089			KAFB-106089			KAFB-106090			KAFB-106091			KAFB-106092			KAFB-106093			KAFB-106094		
			SAMPLE NO		GW0472			GW0473			GW0474			GW0475			GW0476			GW0477			GW0478			GW0479		
			SAMPLE DATE		26-Jan-12			26-Jan-12			26-Jan-12			26-Jan-12			20-Feb-12			21-Feb-12			20-Feb-12			7-Feb-12		
			SAMPLE PURPOSE		REG			REG			FD			REG			REG			REG			REG			REG		
			SAMPLE DEPTH		460-480 FT			482-497 FT			482-497 FT			555-570 FT			454-474 FT			474-487 FT			544-557 FT			484-504 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[b]	NMED Approved Background[c]	EPA MCLs[b,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
PAHs (µg/L) Method 8270C (continued)	FLUORENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5
	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	4.81	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5
	NAPHTHALENE	N/A	N/A	30	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5
	PHENANTHRENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5
	PYRENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.81	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5
PAHs (µg/L) Method 8270C Low Detection Limit	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
Metals (mg/L) Method 6010B	CALCIUM	N/A	N/A	N/A	49.1		5	39.4		5	40.8		5	37.1		5	52.5		5	61.6		5	35.3		5	57.1		5
	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	0.322		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
	MAGNESIUM	N/A	N/A	N/A	6.49		5	5.06		5	5.31		5	5.02		5	6.94		5	7.84		5	4.65	J	5	8.29		5
	MANGANESE, DISSOLVED	0.2	N/A	0.05	ND	U	0.015	ND	U	0.015	ND	U	0.015	0.0054	J	0.015	0.0094	J	0.015	0.0858		0.015	ND	U	0.015	0.873		0.015
	POTASSIUM	N/A	N/A	N/A	2.47	J	5	2.21	J	5	2.34	J	5	2.18	J	5	2.73	J	5	2.82	J	5	2.13	J	5	2.84	J	5
	SODIUM	N/A	N/A	N/A	26.9		5	25.3		5	26.3		5	24.6		5	26.7		5	27.2		5	22.2		5	26.3		5
Anions (mg/L) Method E300.0	CHLORIDE	250	N/A	250	15.2		0.5	12.7		0.5	12.7		0.5	8.22		0.5	18.6		0.5	34.4		0.5	7.5		0.5	18.5		0.5
	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	0.11	J	0.3
	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
	SULFATE	600	N/A	250	32.8		2	35.1		2	35.2		2	29.2		2	38.3		2	50.8		2	28.8		2	39		2
	SULFIDE, TOTAL (Method 4500S2CF)	N/A	N/A	N/A	ND	U	3.45	ND	U	3.39	ND	U	3.45	0.741	J	3.7	ND	U	3.7	ND	U	3.7	ND	U	3.7	ND	U	3.45
Alkalinity (mg/L) Method SM2320B	ALKALINITY, BICARBONATE (AS CACO3)	N/A	N/A	N/A	123		1	111		1	111		1	105		1	127		1	125		1	111		1	143		1
	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
Field Parameters	Temperature (°C)	N/A	N/A	N/A	18.03			17.80			17.80			17.22			18.16			17.54			16.19			18.56		
	pH (S.U.)	N/A	N/A	N/A	7.68			7.72			7.72			7.78			7.78			7.59			7.74			7.55		
	Spec Cond (µS/cm2)	N/A	N/A	N/A	382.9			350.4			350.4			294.1			370.3			442.2			271.9			397.4		
	DO (mg/L)	N/A	N/A	N/A	2.89			8.88			8.88			10.68			7.71			3.51			11.46			3.68		
	ORP (mV)	N/A	N/A	N/A	49			113			113			138			141			113			152			-175		
	Turbidity (NTU)	N/A	N/A	N/A	0.94			0.73			0.73			0.94			0.47			0.72			0.54			4.48		
	Alkalinity (mg/L as CaCO3)	N/A	N/A	N/A	144			146			146			120			144			124			121			164		

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

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

d. 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 "*". Concentration exceeding standards are **BOLD.**

e. KAFB-10612 not measured during Quarter 1, 2012 due to a non-operational corroded pump.

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 low.

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 or Not available

ND = Not detected

NM = not measured due to equipment malfunction.

NR = Not recorded or reported due to operational error

R = sample data rejected due to site contamination

THIS PAGE INTENTIONALLY LEFT BLANK

Table 5-1
Groundwater Analytical Results
January - March 2012

				LOCATION CODE	KAFB-106095			KAFB-106096			KAFB-106097			KAFB-106098			KAFB-106098			KAFB-106099			KAFB-106100			KAFB-106101		
				SAMPLE NO	GW0480			GW0481			GW0483			GW0484			GW0485			GW0487			GW0488			GW0490		
				SAMPLE DATE	10-Feb-12			14-Feb-12			7-Feb-12			7-Feb-12			7-Feb-12			29-Feb-12			28-Feb-12			7-Feb-12		
				SAMPLE PURPOSE	REG			REG			REG			REG			FD			REG			REG			REG		
				SAMPLE DEPTH	504-519 FT			576-591 FT			506-521 FT			531-546 FT			531-546 FT			501-516 FT			526-541 FT			496-511 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[b]	NMED Approved Background[c]	EPA MCLs[b,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
TPH (µg/L) Method 8015B	DIESEL RANGE ORGANICS	N/A	N/A	N/A	ND	U	96.2	ND	U	98	ND	U	96.2	ND	U	95.2	ND	U	100	ND	U	98	ND	U	98	ND	U	98
	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
VOCs (µg/L) Method 8260B	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	1,2,4-TRIMETHYLBENZENE	N/A	N/A	N/A	ND	U	1	0.26	J	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
	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
	1,2-DIBROMOETHANE (Method 8011)	0.1	N/A	0.05	0.0162	J	0.0281	ND	U	0.0286	ND	U	0.0282	ND	U	0.0282	ND	U	0.0283	ND	U	0.0282	ND	U	0.0282	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
	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
	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
	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
	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
	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
	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
	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	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
	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
	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
	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
	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
	ACETONE	N/A	N/A	N/A	ND	U	10	ND	U	10	ND	U	10	ND	UJ	10	ND	UJ	10	ND	UJ	10	ND	UJ	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	CHLOROMETHANE	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	UJ	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
	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
	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
	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
	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
	ETHYLBENZENE	750	N/A	700	0.388	J	1	0.257	J	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
	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
	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	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
	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
	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
	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
	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
	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
	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
	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
	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
	TOLUENE	750	N/A	750	1.84	N/A	1	1.78	N/A	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
	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
	TRICHLOROETHENE	N/A	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	0.4	J	1	0.34	J	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
	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
	XYLENES	620	N/A	10000	2.21	J	3	1.65	J	3	ND	U	3	ND	U	3	ND	U	3	ND	U	3	ND	U	3	ND	U	3

Table 5-1
Groundwater Analytical Results
January - March 2012

			LOCATION CODE		KAFB-106095			KAFB-106096			KAFB-106097			KAFB-106098			KAFB-106098			KAFB-106099			KAFB-106100			KAFB-106101		
			SAMPLE NO		GW0480			GW0481			GW0483			GW0484			GW0485			GW0487			GW0488			GW0490		
			SAMPLE DATE		10-Feb-12			14-Feb-12			7-Feb-12			7-Feb-12			7-Feb-12			29-Feb-12			28-Feb-12			7-Feb-12		
			SAMPLE PURPOSE		REG			REG			REG			REG			FD			REG			REG			REG		
			SAMPLE DEPTH		504-519 FT			576-591 FT			506-521 FT			531-546 FT			531-546 FT			501-516 FT			526-541 FT			496-511 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[b]	NMED Approved Background[c]	EPA MCLs[b,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
SVOCs (µg/L) Method 8270C	1,1-BIPHENYL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	5
	1,2-DIPHENYLHYDRAZINE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.72	ND	U	5	ND	UJ	5
	2,4,5-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	5
	2,4,6-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	5
	2,4-DICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	5
	2,4-DIMETHYLPHENOL	N/A	N/A	N/A	ND	U	19.6	ND	U	18.9	ND	U	19.6	ND	U	19.6	ND	U	19.6	ND	U	18.9	ND	U	20	ND	U	20
	2,4-DINITROPHENOL	N/A	N/A	N/A	ND	U	49	ND	U	47.2	ND	U	49	ND	U	49	ND	U	49	ND	U	47.2	ND	U	50	ND	U	50
	2,4-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	5
	2,6-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	5
	2-CHLORONAPHTHALENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	5
	2-CHLOROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	5
	2-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	5
	2-NITROANILINE	N/A	N/A	N/A	ND	U	19.6	ND	U	18.9	ND	U	19.6	ND	U	19.6	ND	U	19.6	ND	U	18.9	ND	U	20	ND	U	20
	2-NITROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	5
	3,3'-DICHLOROBENZIDINE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	5
	3-METHYLPHENOL AND 4-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	UJ	4.72	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	5
	3-NITROANILINE	N/A	N/A	N/A	ND	U	19.6	ND	U	18.9	ND	U	19.6	ND	U	19.6	ND	U	19.6	ND	U	18.9	ND	U	20	ND	U	20
	4,6-DINITRO-2-METHYLPHENOL	N/A	N/A	N/A	ND	U	19.6	ND	U	18.9	ND	U	19.6	ND	U	19.6	ND	U	19.6	ND	U	18.9	ND	U	20	ND	U	20
	4-BROMOPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	5
	4-CHLORO-3-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	5
	4-CHLOROANILINE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	5
	4-CHLOROPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	5
	4-NITROANILINE	N/A	N/A	N/A	ND	U	19.6	ND	U	18.9	ND	U	19.6	ND	U	19.6	ND	U	19.6	ND	U	18.9	ND	U	20	ND	U	20
	4-NITROPHENOL	N/A	N/A	N/A	ND	U	19.6	ND	U	18.9	ND	U	19.6	ND	U	19.6	ND	U	19.6	ND	UJ	18.9	ND	UJ	20	ND	U	20
	ACETOPHENONE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	5
	ATRAZINE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	5
	BENZALDEHYDE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	UJ	4.9	ND	UJ	4.9	ND	U	4.9	ND	U	4.72	ND	U	5	ND	UJ	5
	BENZIDINE	N/A	N/A	N/A	ND	U	49	ND	U	47.2	ND	U	49	ND	U	49	ND	U	49	ND	U	47.2	ND	U	50	ND	U	50
	BENZOIC ACID	N/A	N/A	N/A	ND	U	49	ND	U	47.2	ND	U	49	ND	U	49	ND	U	49	ND	U	47.2	ND	U	50	ND	U	50
	BIS(2-CHLOROETHOXY)METHANE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	5
	BIS(2-CHLOROETHYL)ETHER	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	5
	BIS(2-CHLOROISOPROPYL)ETHER	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	UJ	4.9	ND	UJ	4.9	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	5
	BIS(2-ETHYLHEXYL)PHTHALATE	N/A	N/A	N/A	1.58	J	4.9	2.97	J	4.72	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	5
	BUTYL BENZYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	5
	CAPROLACTAM	N/A	N/A	N/A	ND	UJ	4.9	ND	UJ	4.72	ND	UJ	4.9	ND	UJ	4.9	ND	UJ	4.9	ND	UJ	4.72	ND	UJ	5	ND	UJ	5
	CARBAZOLE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	5
	DIBENZOFURAN	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	5
	DIETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	5
	DIMETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	5
	DI-N-BUTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	5
	DI-N-OCTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	5
	HEXACHLOROBENZENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	5
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	5
	HEXACHLOROCYCLOPENTADIENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	5
	HEXACHLOROETHANE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.72	ND	U	5	ND	UJ	5
	ISOPHORONE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	5
	NITROBENZENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.72	ND	U	5	ND	UJ	5
	N-NITROSO-DI-N-PROPYLAMINE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	5
	N-NITROSODIPHENYLAMINE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	5
	PENTACHLOROPHENOL	N/A	N/A	N/A	ND	U	19.6	ND	U	18.9	ND	U	19.6	ND	U	19.6	ND	U	19.6	ND	U	18.9	ND	U	20	ND	U	20
	PHENOL	N/A	N/A	5	ND	U	4.9	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.72	ND	U	5	ND	UJ	5
PAHs (µg/L) Method	1-METHYL NAPHTHALENE	N/A	N/A	30	ND	U	4.9	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	5
	2-METHYL NAPHTHALENE	N/A	N/A	30	ND	U	4.9	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	5
	ACENAPHTHENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	5
	ACENAPHTHYLENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	5
	ANTHRACENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	5
	BENZO(A)ANTHRACENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	5
	BENZO(A)PYRENE	0.7	N/A	0.2	ND	U	4.9	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	5
	BENZO(B)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	5
	BENZO(GHI)PERYLENE	N/A	N/A	N/A	ND	U	4.9	ND	UJ	4.72	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	5
	BENZO(K)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	5
	CHRYSENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	5
	DIBENZO(A,H)ANTHRACENE	N/A	N/A	N/A	ND	U	4.9	ND	UJ	4.72	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	5
	FLUORANTHENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	5

Table 5-1
Groundwater Analytical Results
January - March 2012

			LOCATION CODE		KAFB-106095			KAFB-106096			KAFB-106097			KAFB-106098			KAFB-106098			KAFB-106099			KAFB-106100			KAFB-106101		
			SAMPLE NO		GW0480			GW0481			GW0483			GW0484			GW0485			GW0487			GW0488			GW0490		
			SAMPLE DATE		10-Feb-12			14-Feb-12			7-Feb-12			7-Feb-12			7-Feb-12			29-Feb-12			28-Feb-12			7-Feb-12		
			SAMPLE PURPOSE		REG			REG			REG			REG			FD			REG			REG			REG		
			SAMPLE DEPTH		504-519 FT			576-591 FT			506-521 FT			531-546 FT			531-546 FT			501-516 FT			526-541 FT			496-511 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[b]	NMED Approved Background[c]	EPA MCLs[b,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
PAHs (µg/L) Method 8270C (continued)	FLUORENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	5
	INDENO(1,2,3-CD)PYRENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	5
	NAPHTHALENE	N/A	N/A	30	ND	U	4.9	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	5
	PHENANTHRENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	5
	PYRENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	5
PAHs (µg/L) Method 8270C Low Detection Limit	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
Metals (mg/L) Method 6010B	CALCIUM	N/A	N/A	N/A	41.1		5	35		5	38.6		5	35.3		5	34.4		5	50		5	39.3		5	100		5
	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
	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
	MAGNESIUM	N/A	N/A	N/A	5.53		5	4.54	J	5	5.47		5	4.91	J	5	4.71	J	5	7.25		5	5.55		5	14.5		5
	MANGANESE, DISSOLVED	0.2	N/A	0.05	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	ND	U	0.015
	POTASSIUM	N/A	N/A	N/A	2.39	J	5	2.01	J	5	2.24	J	5	2.22	J	5	2.14	J	5	2.6	J	5	2.35	J	5	3.85	J	5
	SODIUM	N/A	N/A	N/A	22.8		5	21.4		5	22.6		5	21.8		5	20.6		5	23.6		5	21.1		5	43.1		5
Anions (mg/L) Method E300.0	CHLORIDE	250	N/A	250	10.2		0.5	7.68		0.5	11.4		0.5	7.26		0.5	7.22		0.5	26.7		0.5	14.1		0.5	86.9		0.5
	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
	NITROGEN, NITRATE-NITRITE (Method E353.2)	N/A	4	N/A	0.281	J	1.5	ND	U	1.5	ND	U	1.5	ND	U	1.5	ND	U	1.5	1.56		1.5	0.702	J	1.5	2.83		1.5
	SULFATE	600	N/A	250	30.4		2	28.2		2	35.6		2	27.9		2	27.8		2	56		2	34.4		2	151		2
	SULFIDE, TOTAL (Method 4500S2CF)	N/A	N/A	N/A	ND	U	3.39	ND	U	3.7	ND	U	3.45	ND	U	3.45	ND	U	3.45	ND	U	3.7	0.714	J	3.57	0.741	J	3.7
Alkalinity (mg/L) Method SM2320B	ALKALINITY, BICARBONATE (AS CACO3)	N/A	N/A	N/A	98.8		1	94.4		1	97.7		1	93.3		1	92.1		1	94.4		1	148		1	91		1
	ALKALINITY, CARBONATE (AS CACO3)	N/A	N/A	N/A	1.58		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	18.70			18.41			18.50			18.20			18.20			18.36			18.13			18.12		
	pH (S.U.)	N/A	N/A	N/A	7.67			7.88			7.82			7.87			7.87			7.77			7.81			7.73		
	Spec Cond (µS/cm2)	N/A	N/A	N/A	297.9			273.0			303.0			260.5			260.5			411.3			331.3			722.1		
	DO (mg/L)	N/A	N/A	N/A	10.86			12.67			7.12			NR			NR			8.00			NR			8.34		
	ORP (mV)	N/A	N/A	N/A	159			162			110			181			181			163			138			151		
	Turbidity (NTU)	N/A	N/A	N/A	1.61			1.05			0.81			0.46			0.46			0.62			1.39			0.54		
	Alkalinity (mg/L as CaCO3)	N/A	N/A	N/A	129			111			116			108			108			118			124			104		

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

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

d. 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 "*". Concentration exceeding standards are **BOLD.**

e. KAFB-10612 not measured during Quarter 1, 2012 due to a non-operational corroded pump.

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 low.

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 or Not available

ND = Not detected

NM = not measured due to equipment malfunction.

NR = Not recorded or reported due to operational error

R = sample data rejected due to site contamination

THIS PAGE INTENTIONALLY LEFT BLANK

Table 5-1
Groundwater Analytical Results
January - March 2012

				LOCATION CODE	KAFB-106102			KAFB-106102			KAFB-106103			KAFB-106104			KAFB-106105			KAFB-106106			KAFB-106107			KAFB3411		
				SAMPLE NO	GW0491			GW0492			GW0494			GW0495			GW0496			GW0497			GW0498			GW0381		
				SAMPLE DATE	6-Feb-12			6-Feb-12			27-Jan-12			27-Jan-12			1-Feb-12			1-Feb-12			3-Feb-12			3-Feb-12		
				SAMPLE PURPOSE	REG			FD			REG			REG			REG			REG			REG			REG		
				SAMPLE DEPTH	521-535 FT			521-535 FT			485-500 FT			510-525 FT			484-499 FT			454-484 FT			510-525 FT			477-502 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[b]	NMED Approved Background[c]	EPA MCLs[b,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
TPH (µg/L) Method 8015B	DIESEL RANGE ORGANICS	N/A	N/A	N/A	ND	U	96.2	ND	U	96.2	ND	U	96.2	ND	U	94.3	ND	U	100	ND	U	105	ND	U	100	ND	U	100
	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
VOCs (µg/L) Method 8260B	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
	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
	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
	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
	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
	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
	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
	1,2,3-TRICHLOROBENZENE	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
	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
	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
	1,2,4-TRIMETHYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	0.293	J	1	0.42	J	1	0.45	J	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
	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
	1,2-DIBROMOETHANE (Method 8011)	0.1	N/A	0.05	ND	U	0.0282	ND	U	0.0284	ND	U	0.0282	ND	U	0.0284	0.0691	N/A	0.0284	0.23	N/A	0.0282	ND	U	0.0281	ND	U	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	CHLOROMETHANE	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
	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
	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
	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
	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
	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
	ETHYLBENZENE	750	N/A	700	ND	U	1	ND	U	1	ND	U	1	ND	U	1	0.388	J	1	0.568	J	1	0.41	J	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
	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
	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	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
	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
	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
	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
	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
	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
	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
	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
	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
	TOLUENE	750	N/A	750	ND	U	1	ND	U	1	ND	U	1	ND	U	1	2.27	N/A	1	2.95	N/A	1	2.51	N/A	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
	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
	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
	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
	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
	XYLENES	620	N/A	10000	ND	U	3	ND	U	3	ND	U	3	ND	U	3	2.1	J	3	3.13	N/A	3	2.4	J	3	ND	U	3

Table 5-1
Groundwater Analytical Results
January - March 2012

			LOCATION CODE		KAFB-106102			KAFB-106102			KAFB-106103			KAFB-106104			KAFB-106105			KAFB-106106			KAFB-106107			KAFB3411		
			SAMPLE NO		GW0491			GW0492			GW0494			GW0495			GW0496			GW0497			GW0498			GW0381		
			SAMPLE DATE		6-Feb-12			6-Feb-12			27-Jan-12			27-Jan-12			1-Feb-12			1-Feb-12			3-Feb-12			3-Feb-12		
			SAMPLE PURPOSE		REG			FD			REG			REG			REG			REG			REG			REG		
			SAMPLE DEPTH		521-535 FT			521-535 FT			485-500 FT			510-525 FT			484-499 FT			454-484 FT			510-525 FT			477-502 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[b]	NMED Approved Background[c]	EPA MCLs[b,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
SVOCs (µg/L) Method 8270C	1,1-BIPHENYL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	5.56
	1,2-DIPHENYLHYDRAZINE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	5.56
	2,4,5-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	5.56
	2,4,6-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	5.56
	2,4-DICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	5.56
	2,4-DIMETHYLPHENOL	N/A	N/A	N/A	ND	U	19.6	ND	U	19.6	ND	U	19.6	ND	U	19.2	ND	U	19.6	ND	U	19.6	ND	U	19.6	ND	U	22.2
	2,4-DINITROPHENOL	N/A	N/A	N/A	ND	U	49	ND	U	49	ND	U	49	ND	U	48.1	ND	U	49	ND	U	49	ND	U	49	ND	U	55.6
	2,4-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	5.56
	2,6-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	5.56
	2-CHLORONAPHTHALENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	5.56
	2-CHLOROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	5.56
	2-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	UJ	4.9	ND	UJ	4.9	ND	U	4.9	ND	U	5.56
	2-NITROANILINE	N/A	N/A	N/A	ND	U	19.6	ND	U	19.6	ND	U	19.6	ND	U	19.2	ND	U	19.6	ND	U	19.6	ND	U	19.6	ND	U	22.2
	2-NITROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	5.56
	3,3'-DICHLOROBENZIDINE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	5.56
	3-METHYLPHENOL AND 4-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	5.56
	3-NITROANILINE	N/A	N/A	N/A	ND	U	19.6	ND	U	19.6	ND	U	19.6	ND	U	19.2	ND	U	19.6	ND	U	19.6	ND	U	19.6	ND	U	22.2
	4,6-DINITRO-2-METHYLPHENOL	N/A	N/A	N/A	ND	U	19.6	ND	U	19.6	ND	U	19.6	ND	U	19.2	ND	U	19.6	ND	U	19.6	ND	U	19.6	ND	U	22.2
	4-BROMOPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	5.56
	4-CHLORO-3-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	5.56
	4-CHLOROANILINE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	5.56
	4-CHLOROPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	5.56
	4-NITROANILINE	N/A	N/A	N/A	ND	U	19.6	ND	U	19.6	ND	U	19.6	ND	U	19.2	ND	U	19.6	ND	U	19.6	ND	U	19.6	ND	U	22.2
	4-NITROPHENOL	N/A	N/A	N/A	ND	U	19.6	ND	U	19.6	ND	U	19.6	ND	U	19.2	ND	U	19.6	ND	U	19.6	ND	U	19.6	ND	U	22.2
	ACETOPHENONE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	5.56
	ATRAZINE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	5.56
	BENZALDEHYDE	N/A	N/A	N/A	ND	UJ	4.9	ND	UJ	4.9	ND	UJ	4.9	ND	UJ	4.81	ND	UJ	4.9	ND	UJ	4.9	ND	U	4.9	ND	U	5.56
	BENZIDINE	N/A	N/A	N/A	ND	U	49	ND	U	49	ND	U	49	ND	U	48.1	ND	U	49	ND	U	49	ND	U	49	ND	U	55.6
	BENZOIC ACID	N/A	N/A	N/A	ND	U	49	ND	U	49	ND	U	49	ND	U	48.1	ND	U	49	ND	U	49	ND	U	49	ND	U	55.6
	BIS(2-CHLOROETHOXY)METHANE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	5.56
	BIS(2-CHLOROETHYL)ETHER	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	5.56
	BIS(2-CHLOROISOPROPYL)ETHER	N/A	N/A	N/A	ND	UJ	4.9	ND	UJ	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	5.56
	BIS(2-ETHYLHEXYL)PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.81	2.01	J	4.9	ND	U	4.9	3.47	J	4.9	ND	U	5.56
	BUTYL BENZYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	5.56
	CAPROLACTAM	N/A	N/A	N/A	ND	UJ	4.9	ND	UJ	4.9	ND	UJ	4.9	ND	UJ	4.81	ND	UJ	4.9	ND	UJ	4.9	1.31	J-	4.9	ND	UJ	5.56
	CARBAZOLE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	5.56
	DIBENZOFURAN	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	5.56
	DIETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	5.56
	DIMETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	5.56
	DI-N-BUTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	5.56
	DI-N-OCTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	5.56
	HEXACHLOROBENZENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	5.56
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	5.56
	HEXACHLOROCYCLOPENTADIENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	5.56
	HEXACHLOROETHANE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	UJ	4.9	ND	UJ	4.9	ND	U	4.9	ND	U	5.56
	ISOPHORONE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	5.56
	NITROBENZENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	5.56
	N-NITROSO-DI-N-PROPYLAMINE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	5.56
	N-NITROSODIPHENYLAMINE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	5.56
	PENTACHLOROPHENOL	N/A	N/A	N/A	ND	U	19.6	ND	U	19.6	ND	U	19.6	ND	U	19.2	ND	U	19.6	ND	U	19.6	ND	U	19.6	ND	U	22.2
	PHENOL	N/A	N/A	5	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	5.56
PAHs (µg/L) Method	1-METHYL NAPHTHALENE	N/A	N/A	30	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	5.56
	2-METHYL NAPHTHALENE	N/A	N/A	30	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	5.56
	ACENAPHTHENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	5.56
	ACENAPHTHYLENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	5.56
	ANTHRACENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	5.56
	BENZO(A)ANTHRACENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	5.56
	BENZO(A)PYRENE	0.7	N/A	0.2	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	5.56
	BENZO(B)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	5.56
	BENZO(GHI)PERYLENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	5.56
	BENZO(K)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	5.56
	CHRYSENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	5.56
	DIBENZO(A,H)ANTHRACENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	5.56
	FLUORANTHENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	5.56

Table 5-1
Groundwater Analytical Results
January - March 2012

			LOCATION CODE		KAFB-106102			KAFB-106102			KAFB-106103			KAFB-106104			KAFB-106105			KAFB-106106			KAFB-106107			KAFB3411		
			SAMPLE NO		GW0491			GW0492			GW0494			GW0495			GW0496			GW0497			GW0498			GW0381		
			SAMPLE DATE		6-Feb-12			6-Feb-12			27-Jan-12			27-Jan-12			1-Feb-12			1-Feb-12			3-Feb-12			3-Feb-12		
			SAMPLE PURPOSE		REG			FD			REG			REG			REG			REG			REG			REG		
			SAMPLE DEPTH		521-535 FT			521-535 FT			485-500 FT			510-525 FT			484-499 FT			454-484 FT			510-525 FT			477-502 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[b]	NMED Approved Background[c]	EPA MCLs[b,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
PAHs (µg/L) Method 8270C (continued)	FLUORENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	5.56
	INDENO(1,2,3-CD)PYRENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	5.56
	NAPHTHALENE	N/A	N/A	30	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	5.56
	PHENANTHRENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	5.56
	PYRENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9	ND	U	5.56
PAHs (µg/L) Method 8270C Low Detection Limit	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
Metals (mg/L) Method 6010B	CALCIUM	N/A	N/A	N/A	35.5		5	36.4		5	34.8		5	34.1		5	42.2		5	45.8		5	39.1		5	54.3		5
	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
	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
	MAGNESIUM	N/A	N/A	N/A	5.28		5	5.33		5	4.5	J	5	4.46	J	5	5.64		5	5.96		5	5.23		5	8.15		5
	MANGANESE, DISSOLVED	0.2	N/A	0.05	ND	U	0.015	ND	U	0.015	ND	U	0.015	ND	U	0.015	ND	U	0.015	ND	U	0.015	0.00428	J	0.015	0.0257		0.015
	POTASSIUM	N/A	N/A	N/A	2.16	J	5	2.19	J	5	2.14	J	5	2.12	J	5	2.45	J	5	2.6	J	5	2.34	J	5	2.72	J	5
	SODIUM	N/A	N/A	N/A	21.5		5	21.3		5	28.1		5	26.5		5	23.5		5	24.1		5	22.9		5	26		5
Anions (mg/L) Method E300.0	CHLORIDE	250	N/A	250	11.7		0.5	11.6		0.5	9.86		0.5	8.1		0.5	12.1		0.5	15.7		0.5	9.66		0.5	10.9		0.5
	AMMONIA (AS N) (Method 4500NH3BG)	N/A	N/A	N/A	ND	U	0.3	ND	U	0.3	ND	U	0.3	0.114	J	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3	ND	U	0.3
	NITROGEN, NITRATE-NITRITE (Method E353.2)	N/A	4	N/A	0.414	J	1.5	0.438	J	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	31.9		2	31.8		2	28.9		2	28.7		2	40.4		2	44.2		2	34.2		2	28.4		2
	SULFIDE, TOTAL (Method 4500S2CF)	N/A	N/A	N/A	ND	U	3.7	ND	U	3.7	ND	U	3.7	0.741	J	3.7	ND	U	3.45	ND	U	3.7	ND	U	3.39	ND	U	3.7
Alkalinity (mg/L) Method SM2320B	ALKALINITY, BICARBONATE (AS CACO3)	N/A	N/A	N/A	87.8		1	92.5		1	107		1	108		1	103		1	106		1	96.9		1	155		1
	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
Field Parameters	Temperature (°C)	N/A	N/A	N/A	18.24			18.24			17.89			18.20			18.49			17.73			17.93			19.12		
	pH (S.U.)	N/A	N/A	N/A	7.86			7.86			7.83			7.72			7.93			7.89			7.92			7.43		
	Spec Cond (µS/cm2)	N/A	N/A	N/A	285.9			285.9			297.5			305.6			337.0			360.2			302.5			411.4		
	DO (mg/L)	N/A	N/A	N/A	4.88			4.88			7.80			10.87			11.58			9.16			14.54			0.79		
	ORP (mV)	N/A	N/A	N/A	173			173			112			126			195			192			159			184		
	Turbidity (NTU)	N/A	N/A	N/A	0.13			0.13			0.75			2.44			1.29			1.93			1.60			0.87		
	Alkalinity (mg/L as CaCO3)	N/A	N/A	N/A	108			108			122			120			113			110			115			172		

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

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

d. 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 "*". Concentration exceeding standards are **BOLD.**

e. KAFB-10612 not measured during Quarter 1, 2012 due to a non-operational corroded pump.

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 low.

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 or Not available

ND = Not detected

NM = not measured due to equipment malfunction.

NR = Not recorded or reported due to operational error

R = sample data rejected due to site contamination

THIS PAGE INTENTIONALLY LEFT BLANK

Table 5-1
Groundwater Analytical Results
January - March 2012

			LOCATION CODE		ST106-VA2			ST106-VA2		
			SAMPLE NO		GW0379			GW0380		
			SAMPLE DATE		24-Jan-12			24-Jan-12		
			SAMPLE PURPOSE		REG			FD		
			SAMPLE DEPTH		0-0 FT			0-0 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[b]	NMED Approved Background[c]	EPA MCLs[b,d]	Result	VAL QUAL	RL	Result	VAL QUAL	RL
TPH (µg/L) Method 8015B	DIESEL RANGE ORGANICS	N/A	N/A	N/A	ND	U	98	ND	U	93.5
	GASOLINE RANGE ORGANICS	N/A	N/A	N/A	ND	U	150	ND	U	150
VOCs (µg/L) Method 8260B	1,1,1,2-TETRACHLOROETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1
	1,1,1-TRICHLOROETHANE	60	N/A	60	ND	U	1	ND	U	1
	1,1,2,2-TETRACHLOROETHANE	10	N/A	10	ND	U	1	ND	U	1
	1,1,2-TRICHLOROETHANE	100	N/A	5	ND	U	1	ND	U	1
	1,1-DICHLOROETHANE	25	N/A	25	ND	U	1	ND	U	1
	1,1-DICHLOROETHENE	5	N/A	5	ND	U	1	ND	U	1
	1,1-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	1	ND	U	1
	1,2,3-TRICHLOROBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1
	1,2,3-TRICHLOROPROPANE	N/A	N/A	N/A	ND	U	2	ND	U	2
	1,2,4-TRICHLOROBENZENE	N/A	N/A	70	ND	U	1	ND	U	1
	1,2,4-TRIMETHYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1
	1,2-DIBROMO-3-CHLOROPROPANE	N/A	N/A	0.2	ND	U	2	ND	U	2
	1,2-DIBROMOETHANE	0.1	N/A	0.05	ND	U	1	ND	U	1
	1,2-DIBROMOETHANE (Method 8011)	0.1	N/A	0.05	ND	U	0.0283	ND	U	0.0281
	1,2-DICHLOROBENZENE	N/A	N/A	600	ND	U	1	ND	U	1
	1,2-DICHLOROETHANE	10	N/A	5	ND	U	1	ND	U	1
	1,2-DICHLOROPROPANE	N/A	N/A	5	ND	U	1	ND	U	1
	1,3,5-TRIMETHYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1
	1,3-DICHLOROBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1
	1,3-DICHLOROPROPANE	N/A	N/A	N/A	ND	U	1	ND	U	1
	1,4-DICHLOROBENZENE	N/A	N/A	75	ND	U	1	ND	U	1
	2,2-DICHLOROPROPANE	N/A	N/A	N/A	ND	U	1	ND	U	1
	2-BUTANONE	N/A	N/A	N/A	ND	U	10	ND	U	10
	2-CHLOROTOLUENE	N/A	N/A	N/A	ND	U	1	ND	U	1
	2-HEXANONE	N/A	N/A	N/A	ND	U	5	ND	U	5
	4-CHLOROTOLUENE	N/A	N/A	N/A	ND	U	1	ND	U	1
	4-METHYL-2-PENTANONE	N/A	N/A	N/A	ND	U	5	ND	U	5
	ACETONE	N/A	N/A	N/A	ND	U	10	ND	U	10
	BENZENE	10	N/A	5	ND	U	1	ND	U	1
	BROMOBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1
	BROMOCHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1
	BROMODICHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1
	BROMOFORM	N/A	N/A	N/A	ND	U	1	ND	U	1
	BROMOMETHANE	N/A	N/A	N/A	ND	UJ	2	ND	UJ	2
	CARBON DISULFIDE	N/A	N/A	N/A	ND	U	1	ND	U	1
	CARBON TETRACHLORIDE	10	N/A	5	ND	U	1	ND	U	1
	CHLOROBENZENE	N/A	N/A	100	ND	U	1	ND	U	1
	CHLOROETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2
	CHLOROFORM	100	N/A	100	ND	U	1	ND	U	1
	CHLOROMETHANE	N/A	N/A	N/A	ND	UJ	1	ND	UJ	1
	CIS-1,2-DICHLOROETHENE	N/A	N/A	70	ND	U	1	ND	U	1
	CIS-1,3-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	1	ND	U	1
	DIBROMOCHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1
	DIBROMOMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1
	DICHLORODIFLUOROMETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2
	ETHYLBENZENE	750	N/A	700	ND	U	1	ND	U	1
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	1	ND	U	1
	ISOPROPYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1
	METHYL TERT-BUTYL ETHER	N/A	N/A	N/A	ND	U	1	ND	U	1
	METHYLENE CHLORIDE	100	N/A	5	ND	U	2	ND	U	2
	NAPHTHALENE	N/A	N/A	30	ND	U	1	ND	U	1
	N-BUTYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1
	N-PROPYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1
	P-ISOPROPYLTOLUENE	N/A	N/A	N/A	ND	U	1	ND	U	1
	SEC-BUTYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1
	STYRENE	N/A	N/A	100	ND	U	1	ND	U	1
	TERT-BUTYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1
	TETRACHLOROETHENE	N/A	N/A	5	ND	U	1	ND	U	1
	TOLUENE	750	N/A	750	ND	U	1	ND	U	1
	TRANS-1,2-DICHLOROETHENE	N/A	N/A	100	ND	U	1	ND	U	1
	TRANS-1,3-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	1	ND	U	1
	TRICHLOROETHENE	N/A	N/A	5	ND	U	1	ND	U	1
	TRICHLOROFLUOROMETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2
	VINYL CHLORIDE	1	N/A	1	ND	U	1	ND	U	1
	XYLENES	620	N/A	10000	ND	U	3	ND	U	3

Table 5-1
Groundwater Analytical Results
January - March 2012

			LOCATION CODE		ST106-VA2			ST106-VA2		
			SAMPLE NO		GW0379			GW0380		
			SAMPLE DATE		24-Jan-12			24-Jan-12		
			SAMPLE PURPOSE		REG			FD		
			SAMPLE DEPTH		0-0 FT			0-0 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[b]	NMED Approved Background[c]	EPA MCLs[b,d]	Result	VAL QUAL	RL	Result	VAL QUAL	RL
SVOCs (µg/L) Method 8270C	1,1-BIPHENYL	N/A	N/A	N/A	ND	U	4.81	ND	U	5
	1,2-DIPHENYLHYDRAZINE	N/A	N/A	N/A	ND	U	4.81	ND	U	5
	2,4,5-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.81	ND	U	5
	2,4,6-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.81	ND	U	5
	2,4-DICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.81	ND	U	5
	2,4-DIMETHYLPHENOL	N/A	N/A	N/A	ND	U	19.2	ND	U	20
	2,4-DINITROPHENOL	N/A	N/A	N/A	ND	U	48.1	ND	U	50
	2,4-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.81	ND	U	5
	2,6-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.81	ND	U	5
	2-CHLORONAPHTHALENE	N/A	N/A	N/A	ND	U	4.81	ND	U	5
	2-CHLOROPHENOL	N/A	N/A	N/A	ND	U	4.81	ND	U	5
	2-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.81	ND	U	5
	2-NITROANILINE	N/A	N/A	N/A	ND	U	19.2	ND	U	20
	2-NITROPHENOL	N/A	N/A	N/A	ND	U	4.81	ND	U	5
	3,3'-DICHLOROBENZIDINE	N/A	N/A	N/A	ND	U	4.81	ND	U	5
	3-METHYLPHENOL AND 4-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.81	ND	U	5
	3-NITROANILINE	N/A	N/A	N/A	ND	U	19.2	ND	U	20
	4,6-DINITRO-2-METHYLPHENOL	N/A	N/A	N/A	ND	U	19.2	ND	U	20
	4-BROMOPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.81	ND	U	5
	4-CHLORO-3-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.81	ND	U	5
	4-CHLOROANILINE	N/A	N/A	N/A	ND	U	4.81	ND	U	5
	4-CHLOROPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.81	ND	U	5
	4-NITROANILINE	N/A	N/A	N/A	ND	U	19.2	ND	U	20
	4-NITROPHENOL	N/A	N/A	N/A	ND	U	19.2	ND	U	20
	ACETOPHENONE	N/A	N/A	N/A	ND	U	4.81	ND	U	5
	ATRAZINE	N/A	N/A	N/A	ND	U	4.81	ND	U	5
	BENZALDEHYDE	N/A	N/A	N/A	ND	U	4.81	ND	U	5
	BENZIDINE	N/A	N/A	N/A	ND	U	48.1	ND	U	50
	BENZOIC ACID	N/A	N/A	N/A	ND	U	48.1	ND	U	50
	BIS(2-CHLOROETHOXY)METHANE	N/A	N/A	N/A	ND	U	4.81	ND	U	5
	BIS(2-CHLOROETHYL)ETHER	N/A	N/A	N/A	ND	U	4.81	ND	U	5
	BIS(2-CHLOROISOPROPYL)ETHER	N/A	N/A	N/A	ND	U	4.81	ND	U	5
	BIS(2-ETHYLHEXYL)PHTHALATE	N/A	N/A	N/A	ND	U	4.81	ND	U	5
	BUTYL BENZYL PHTHALATE	N/A	N/A	N/A	ND	U	4.81	ND	U	5
	CAPROLACTAM	N/A	N/A	N/A	ND	UJ	4.81	ND	UJ	5
	CARBAZOLE	N/A	N/A	N/A	ND	U	4.81	ND	U	5
	DIBENZOFURAN	N/A	N/A	N/A	ND	U	4.81	ND	U	5
	DIETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.81	ND	U	5
	DIMETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.81	ND	U	5
	DI-N-BUTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.81	ND	U	5
	DI-N-OCTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.81	ND	U	5
	HEXACHLOROBENZENE	N/A	N/A	N/A	ND	U	4.81	ND	U	5
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	4.81	ND	U	5
	HEXACHLOROCYCLOPENTADIENE	N/A	N/A	N/A	ND	U	4.81	ND	U	5
	HEXACHLOROETHANE	N/A	N/A	N/A	ND	U	4.81	ND	U	5
	ISOPHORONE	N/A	N/A	N/A	ND	U	4.81	ND	U	5
	NITROBENZENE	N/A	N/A	N/A	ND	U	4.81	ND	U	5
	N-NITROSO-DI-N-PROPYLAMINE	N/A	N/A	N/A	ND	U	4.81	ND	U	5
	N-NITROSODIPHENYLAMINE	N/A	N/A	N/A	ND	U	4.81	ND	U	5
	PENTACHLOROPHENOL	N/A	N/A	N/A	ND	U	19.2	ND	U	20
	PHENOL	N/A	N/A	5	ND	U	4.81	ND	U	5
PAHs (µg/L) Method	1-METHYL NAPHTHALENE	N/A	N/A	30	ND	U	4.81	ND	U	5
	2-METHYL NAPHTHALENE	N/A	N/A	30	ND	U	4.81	ND	U	5
	ACENAPHTHENE	N/A	N/A	N/A	ND	U	4.81	ND	U	5
	ACENAPHTHYLENE	N/A	N/A	N/A	ND	U	4.81	ND	U	5
	ANTHRACENE	N/A	N/A	N/A	ND	U	4.81	ND	U	5
	BENZO(A)ANTHRACENE	N/A	N/A	N/A	ND	U	4.81	ND	U	5
	BENZO(A)PYRENE	0.7	N/A	0.2	ND	U	4.81	ND	U	5
	BENZO(B)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.81	ND	U	5
	BENZO(GHI)PERYLENE	N/A	N/A	N/A	ND	U	4.81	ND	U	5
	BENZO(K)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.81	ND	U	5
	CHRYSENE	N/A	N/A	N/A	ND	U	4.81	ND	U	5
	DIBENZO(A,H)ANTHRACENE	N/A	N/A	N/A	ND	U	4.81	ND	U	5
	FLUORANTHENE	N/A	N/A	N/A	ND	U	4.81	ND	U	5

Table 5-1
Groundwater Analytical Results
January - March 2012

			LOCATION CODE		ST106-VA2			ST106-VA2		
			SAMPLE NO		GW0379			GW0380		
			SAMPLE DATE		24-Jan-12			24-Jan-12		
			SAMPLE PURPOSE		REG			FD		
			SAMPLE DEPTH		0-0 FT			0-0 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[b]	NMED Approved Background[c]	EPA MCLs[b,d]	Result	VAL QUAL	RL	Result	VAL QUAL	RL
PAHs (µg/L) Method 8270C (continued)	FLUORENE	N/A	N/A	N/A	ND	U	4.81	ND	U	5
	INDENO(1,2,3-CD)PYRENE	N/A	N/A	N/A	ND	U	4.81	ND	U	5
	NAPHTHALENE	N/A	N/A	30	ND	U	4.81	ND	U	5
	PHENANTHRENE	N/A	N/A	N/A	ND	U	4.81	ND	U	5
	PYRENE	N/A	N/A	N/A	ND	U	4.81	ND	U	5
PAHs (µg/L) Method 8270C Low Detection Limit	1-METHYL NAPHTHALENE	N/A	N/A	30	ND	U	0.192	ND	U	0.2
	2-METHYLNAPHTHALENE	N/A	N/A	30	ND	U	0.192	ND	U	0.2
	ACENAPHTHENE	N/A	N/A	N/A	ND	U	0.192	ND	U	0.2
	ACENAPHTHYLENE	N/A	N/A	N/A	ND	U	0.192	ND	U	0.2
	ANTHRACENE	N/A	N/A	N/A	ND	U	0.192	ND	U	0.2
	BENZO(A)ANTHRACENE	N/A	N/A	N/A	ND	U	0.192	ND	U	0.2
	BENZO(A)PYRENE	0.7	N/A	0.2	ND	U	0.192	ND	U	0.2
	BENZO(B)FLUORANTHENE	N/A	N/A	N/A	ND	U	0.192	ND	U	0.2
	BENZO(GHI)PERYLENE	N/A	N/A	N/A	ND	U	0.192	ND	U	0.2
	BENZO(K)FLUORANTHENE	N/A	N/A	N/A	ND	U	0.192	ND	U	0.2
	CHRYSENE	N/A	N/A	N/A	ND	U	0.192	ND	U	0.2
	DIBENZO(A,H)ANTHRACENE	N/A	N/A	N/A	ND	U	0.192	ND	U	0.2
	FLUORANTHENE	N/A	N/A	N/A	ND	U	0.192	ND	U	0.2
	FLUORENE	N/A	N/A	N/A	ND	U	0.192	ND	U	0.2
	INDENO(1,2,3-CD)PYRENE	N/A	N/A	N/A	ND	U	0.192	ND	U	0.2
	NAPHTHALENE	N/A	N/A	30	ND	U	0.192	ND	U	0.2
	PHENANTHRENE	N/A	N/A	N/A	ND	U	0.192	ND	U	0.2
	PYRENE	N/A	N/A	N/A	ND	U	0.192	ND	U	0.2
Metals (mg/L) Method 6010B	CALCIUM	N/A	N/A	N/A	40		5	41.7		5
	IRON, DISSOLVED	1	N/A	0.3	ND	U	0.1	ND	U	0.1
	LEAD	0.05	0.01	0.015	ND	U	0.003	ND	U	0.003
	MAGNESIUM	N/A	N/A	N/A	7.63		5	7.84		5
	MANGANESE, DISSOLVED	0.2	N/A	0.05	ND	U	0.015	ND	U	0.015
	POTASSIUM	N/A	N/A	N/A	3.81	J	5	4.17	J	5
	SODIUM	N/A	N/A	N/A	23.2		5	24.9		5
Anions (mg/L) Method E300.0	CHLORIDE	250	N/A	250	31		0.5	30.9		0.5
	AMMONIA (AS N) (Method 4500NH3BG)	N/A	N/A	N/A	ND	U	0.3	0.13	J	0.3
	NITROGEN, NITRATE-NITRITE (Method E353.2)	N/A	4	N/A	ND	U	1.5	ND	U	1.5
	SULFATE	600	N/A	250	25		2	24.8		2
	SULFIDE, TOTAL (Method 4500S2CF)	N/A	N/A	N/A	0.83	J	3.45	0.83	J	3.45
Alkalinity (mg/L) Method SM2320B	ALKALINITY, BICARBONATE (AS CACO3)	N/A	N/A	N/A	98.9		1	98.1		1
	ALKALINITY, CARBONATE (AS CACO3)	N/A	N/A	N/A	ND	U	1	ND	U	1
Field Parameters	Temperature (°C)	N/A	N/A	N/A	20.76			20.76		
	pH (S.U.)	N/A	N/A	N/A	6.69			6.69		
	Spec Cond (µS/cm2)	N/A	N/A	N/A	344.2			344.2		
	DO (mg/L)	N/A	N/A	N/A	5.65			5.65		
	ORP (mV)	N/A	N/A	N/A	182			182		
	Turbidity (NTU)	N/A	N/A	N/A	0.18			0.18		
	Alkalinity (mg/L as CaCO3)	N/A	N/A	N/A	110			110		

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

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

d. 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 "*". Concentration exceeding standards are **BOLD.**

e. KAFB-10612 not measured during Quarter 1, 2012 due to a non-operational corroded pump.

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 low.

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 or Not available

ND = Not detected

NM = not measured due to equipment malfunction.

NR = Not recorded or reported due to operational error

R = sample data rejected due to site contamination

THIS PAGE INTENTIONALLY LEFT BLANK

Table 5-2. Shallow Zone Groundwater COC Screening Analysis, January 2009 - March 2012

Parameter	CAS Number	No. Non-detects	No. Detects	Total Samples	Frequency of Detection	MCL Conc. (µg/L)	Max. Detect Conc. (µg/L)	Max. Detect Conc. > MCL?	COC (FOD > 5%, Max Detect > SSL)
1,1,1,2-tetrachloroethane	630-20-6	430	8	438	1.8%		91		No
1,1,1-trichloroethane	71-55-6	107		107	0.0%	60.00		No	No
1,1,2,2-tetrachloroethane	79-34-5	429	11	440	2.5%	1.80	92	Yes	No
1,1,2-trichloroethane	79-00-5	429	9	438	2.1%	5.00	99	Yes	No
1,1-dichloroethane	75-34-3	425	14	439	3.2%		102		No
1,1-dichloroethene	75-35-4	430	8	438	1.8%	5.00	109	Yes	No
1,1-dichloropropene	563-58-6	430	8	438	1.8%		106		No
1,2,3-trichlorobenzene	87-61-6	430	8	438	1.8%		81		No
1,2,3-trichloropropane	96-18-4	430	8	438	1.8%		95		No
1,2,4-trichlorobenzene	120-82-1	430	8	438	1.8%	70.00	85	Yes	No
1,2,4-trimethylbenzene	95-63-6	308	140	448	31.3%		1,190		No
1,2-dibromo-3-chloropropane	96-12-8	461	10	471	2.1%	0.20	78	Yes	No
1,2-dibromoethane (edb)	106-93-4	479	430	909	47.3%	0.05	503	Yes	**Yes**
1,2-dichlorobenzene	95-50-1	550	13	563	2.3%	600.00	96	No	No
1,2-dichloroethane (edc)	107-06-2	368	76	444	17.1%	5.00	105	Yes	**Yes**
1,2-dichloropropane	78-87-5	430	8	438	1.8%	5.00	104	Yes	No
1,2-diphenylhydrazine	122-66-7	276	4	280	1.4%	0.44	38	Yes	No
1,3,5-trimethylbenzene	108-67-8	307	142	449	31.6%		428		No
1,3-dichlorobenzene	541-73-1	430	8	438	1.8%	469.00	97	No	No
1,3-dichloropropane	142-28-9	430	8	438	1.8%		92		No
1,3-dinitrobenzene	99-65-0	110	4	114	3.5%		40		No
1,4-dichlorobenzene	106-46-7	429	9	438	2.1%	75.00	96	Yes	No
1-methylnaphthalene	90-12-0	241	81	322	25.2%		29,000		No
2,2-dichloropropane	594-20-7	430	8	438	1.8%		94		No
2,2'-oxybis(1-chloro)propane	108-60-1	193		193	0.0%	1400.00		No	No
2,4,5-trichlorophenol	95-95-4	313	4	317	1.3%		43		No
2,4,6-trichlorophenol	88-06-2	313	4	317	1.3%	24.00	44	Yes	No
2,4-dichlorophenol	120-83-2	282	2	284	0.7%	105.00	41	No	No
2,4-dimethylphenol	105-67-9	301	16	317	5.0%	700.00	400	No	No
2,4-dinitrophenol	51-28-5	313	4	317	1.3%	70.00	84	Yes	No
2,4-dinitrotoluene	121-14-2	313	4	317	1.3%	1.10	42	Yes	No
2,6-dinitrotoluene	606-20-2	313	4	317	1.3%		42		No
2-butanone (mek)	78-93-3	369	69	438	15.8%		3,210		No
2-chloronaphthalene	91-58-7	313	4	317	1.3%	1600.00	38	No	No
2-chlorophenol	95-57-8	312	6	318	1.9%	150.00	37	No	No
2-chlorotoluene	95-49-8	430	8	438	1.8%		106		No
2-hexanone	591-78-6	387	53	440	12.0%		1,310		No
2-methylnaphthalene	91-57-6	366	79	445	17.8%		31,700		No
2-methylphenol	95-48-7	292	26	318	8.2%		1,090		No
2-nitroaniline	88-74-4	315	4	319	1.3%		34		No
2-nitrophenol	88-75-5	313	4	317	1.3%		43		No
3,3'-dichlorobenzidine	91-94-1	306	4	310	1.3%	0.28	40	Yes	No
3-methylphenol and 4-methylphenol	65794-96-9	166	28	194	14.4%		311		No
3-nitroaniline	99-09-2	311	4	315	1.3%		36		No

Table 5-2. Shallow Zone Groundwater COC Screening Analysis, January 2009 - March 2012

Parameter	CAS Number	No. Non-detects	No. Detects	Total Samples	Frequency of Detection	MCL Conc. (µg/L)	Max. Detect Conc. (µg/L)	Max. Detect Conc. > MCL?	COC (FOD > 5%, Max Detect > SSL)
4,6-dinitro-2-methylphenol	534-52-1	312	5	317	1.6%	14.00	41	Yes	No
4-bromophenyl phenyl ether	101-55-3	312	4	316	1.3%		47		No
4-chloro-3-methylphenol	59-50-7	313	4	317	1.3%		40		No
4-chloroaniline	106-47-8	313	4	317	1.3%		37		No
4-chlorophenyl phenyl ether	7005-72-3	313	4	317	1.3%		45		No
4-chlorotoluene	106-43-4	429	9	438	2.1%		100		No
4-isopropyltoluene	99-87-6	371	70	441	15.9%		103		No
4-methyl-2-pentanone	108-10-1	378	61	439	13.9%		785		No
4-methylphenol	106-44-5	116	7	123	5.7%		4,840		No
4-nitroaniline	100-01-6	312	4	316	1.3%		41		No
4-nitrophenol	100-02-7	313	4	317	1.3%		21		No
acenaphthene	83-32-9	433	14	447	3.1%	990.00	37	No	No
acenaphthylene	208-96-8	433	14	447	3.1%		38		No
acetone	67-64-1	323	130	453	28.7%		25,500		No
acetophenone	98-86-2	137	57	194	29.4%		32,800		No
alkalinity, bicarbonate	ALK_BICARB		88	88	100.0%		262,000		No
alkalinity, bicarbonate (as CACO3)	10-09-3	1	198	199	99.5%		337,000		No
Alkalinity, Carbonate	47773-0-60-	20	59	79	74.7%		134,000		No
alkalinity, carbonate (as CACO3)	13-01-4	211	7	218	3.2%		8,320		No
alkalinity, total	Alkalinity		88	88	100.0%		262,000		No
ammonia as n	7664-41-7	218	33	251	13.1%		3,370		No
anthracene	120-12-7	426	21	447	4.7%	10500.00	39	No	No
atrazine	1912-24-9	193		193	0.0%	3.00		No	No
Benzaldehyde	100-52-7	191	2	193	1.0%		40		No
benzene	71-43-2	279	166	445	37.3%	5.00	13,400	Yes	**Yes**
benzidine	92-87-5	292		292	0.0%	0.00		No	No
benzo(a)anthracene	56-55-3	432	13	445	2.9%	0.05	38	Yes	No
benzo(a)pyrene	50-32-8	433	12	445	2.7%	0.18	39	Yes	No
benzo(b)fluoranthene	205-99-2	432	13	445	2.9%	0.05	40	Yes	No
benzo(g,h,i)perylene	191-24-2	430	14	444	3.2%		38		No
benzo(k)fluoranthene	207-08-9	432	13	445	2.9%	0.05	37	Yes	No
benzoic acid	65-85-0	290	5	295	1.7%		4,820		No
bicarbonate	71-52-3		25	25	100.0%		457,000		No
biphenyl (diphenyl)	92-52-4	181	12	193	6.2%		68		No
bis (2-chloroethoxy) methane	111-91-1	312	5	317	1.6%		293		No
bis (2-chloroethyl) ether	111-44-4	314	4	318	1.3%	0.30	40	Yes	No
bis (2-ethylhexyl) phthalate	117-81-7	274	45	319	14.1%	6.00	55	Yes	**Yes**
bromobenzene	108-86-1	430	8	438	1.8%		95		No
bromochloromethane	74-97-5	430	8	438	1.8%		106		No
bromodichloromethane	75-27-4	426	12	438	2.7%	5.60	99	Yes	No
bromoform	75-25-2	428	10	438	2.3%	44.00	79	Yes	No
bromomethane	74-83-9	431	8	439	1.8%	49.00	121	Yes	No
butyl benzylphthalate	85-68-7	312	4	316	1.3%	1900.00	49	No	No
calcium	7440-70-2		242	242	100.0%		174,000		No

Table 5-2. Shallow Zone Groundwater COC Screening Analysis, January 2009 - March 2012

Parameter	CAS Number	No. Non-detects	No. Detects	Total Samples	Frequency of Detection	MCL Conc. (µg/L)	Max. Detect Conc. (µg/L)	Max. Detect Conc. > MCL?	COC (FOD > 5%, Max Detect > SSL)
calcium, dissolved	7440-70-2_D		53	53	100.0%		148,000		No
Caprolactam	105-60-2	186	7	193	3.6%		9		No
carbazole	86-74-8	193		193	0.0%				No
carbon disulfide	75-15-0	417	30	447	6.7%		366		No
carbon tetrachloride	56-23-5	430	8	438	1.8%	5.00	99	Yes	No
Chloride	16887-00-6		291	291	100.0%	250000.00	160,000	No	No
chlorobenzene	108-90-7	426	13	439	3.0%	100.00	97	No	No
chloroethane	75-00-3	430	8	438	1.8%		119		No
chloroform	67-66-3	422	18	440	4.1%	57.00	102	Yes	No
chloromethane	74-87-3	423	14	437	3.2%		106		No
chrysene	218-01-9	431	15	446	3.4%	0.05	37	Yes	No
cis-1,2-dichloroethene	156-59-2	429	9	438	2.1%	70.00	106	Yes	No
cis-1,3-dichloropropene	10061-01-5	430	8	438	1.8%		97		No
dibenzo(a,h)anthracene	53-70-3	424	23	447	5.1%	0.05	38	Yes	**Yes**
dibenzofuran	132-64-9	311	7	318	2.2%		37		No
dibromochloromethane	124-48-1	427	11	438	2.5%	4.20	86	Yes	No
dibromomethane	74-95-3	430	8	438	1.8%		102		No
dichlorodifluoromethane	75-71-8	412	30	442	6.8%		89		No
diesel range organics	11-84-7	134	91	225	40.4%		162,000		No
diesel range organics (dro)	TPH-C1028	57	47	104	45.2%		464,000		No
diethyl phthalate	84-66-2	303	13	316	4.1%	28000.00	119	No	No
dimethyl phthalate	131-11-3	314	4	318	1.3%	350000.00	44	No	No
di-n-butylphthalate	84-74-2	310	6	316	1.9%	3500.00	47	No	No
di-n-octylphthalate	117-84-0	307	10	317	3.2%		47		No
ethylbenzene	100-41-4	317	126	443	28.4%	700.00	4,420	Yes	**Yes**
fluoranthene	206-44-0	427	18	445	4.0%	140.00	40	No	No
fluorene	86-73-7	426	22	448	4.9%	1400.00	38	No	No
gasoline range organics	8006-61-9	47	76	123	61.8%		61,600		No
Gasoline Range Organics (GRO)	TPH-C610	32	73	105	69.5%		449,000		No
hexachlorobenzene	118-74-1	312	4	316	1.3%	0.00	41	Yes	No
hexachlorobutadiene	87-68-3	713	13	726	1.8%	4.50	92	Yes	No
hexachlorocyclopentadiene	77-47-4	313	4	317	1.3%	50.00	39	No	No
hexachloroethane	67-72-1	314	4	318	1.3%	25.00	31	Yes	No
indeno(1,2,3-cd)pyrene	193-39-5	432	17	449	3.8%	0.05	37	Yes	No
iron	7439-89-6	254	129	383	33.7%	300.00	50,200	Yes	**Yes**
isophorone	78-59-1	188	5	193	2.6%	368.00	6	No	No
isopropylbenzene	98-82-8	258	196	454	43.2%		341		No
lead, dissolved	7439-92-1_D	19	32	51	62.7%		12		No
lead-210	7439-92-1	222	9	231	3.9%	15.00	6	No	No
m,p-xylene (sum of isomers)	108-38-3/1	152	76	228	33.3%		8,870		No
m,p-xylenes	136777-61-2	76	44	120	36.7%		3,750		No
magnesium	7439-95-4		294	294	100.0%		63,300		No
manganese	7439-96-5	71	318	389	81.7%	50.00	6,860	Yes	**Yes**
methyl tert-butyl ether (mtbe)	1634-04-4	419	19	438	4.3%		90		No

Table 5-2. Shallow Zone Groundwater COC Screening Analysis, January 2009 - March 2012

Parameter	CAS Number	No. Non-detects	No. Detects	Total Samples	Frequency of Detection	MCL Conc. (µg/L)	Max. Detect Conc. (µg/L)	Max. Detect Conc. > MCL?	COC (FOD > 5%, Max Detect > SSL)
methylene chloride	75-09-2	416	24	440	5.5%	5.00	449	Yes	**Yes**
naphthalene	91-20-3	610	187	797	23.5%	30.00	9,640	Yes	**Yes**
n-butylbenzene	104-51-8	366	79	445	17.8%		123		No
nitrate	14797-55-8	23	43	66	65.2%		4,920		No
nitrate (as n)	10-28-6	107	61	168	36.3%		4,920		No
nitrobenzene	98-95-3	313	4	317	1.3%	18.00	37	Yes	No
Nitrogen, Nitrate (As N)	7727-37-9	17	64	81	79.0%	10000.00	12500	Yes	**Yes**
n-nitrosodi-n-propylamine	621-64-7	314	4	318	1.3%	0.05	40	Yes	No
n-nitrosodiphenylamine	86-30-6	312	4	316	1.3%	60.00	49	No	No
n-propylbenzene	103-65-1	323	127	450	28.2%		469		No
pentachlorophenol	87-86-5	311	4	315	1.3%	1.00	44	Yes	No
petroleum hydrocarbons c10-c28	PHCC10C28	32	27	59	45.8%		16,700		No
petroleum hydrocarbons c6-c10	PHCC6C10	8	50	58	86.2%		18,000		No
phenanthrene	85-01-8	429	17	446	3.8%		38		No
phenol	108-95-2	295	22	317	6.9%	5.00	605	Yes	**Yes**
potassium	7440-09-7		241	241	100.0%		53,900		No
potassium, dissolved	7440-09-7_D		53	53	100.0%		4,870		No
pyrene	129-00-0	433	12	445	2.7%	1050.00	39	No	No
sec-butylbenzene	135-98-8	335	116	451	25.7%		105		No
sodium	7440-23-5		242	242	100.0%		83,200		No
sodium, dissolved	7440-23-5_D		52	52	100.0%		64,700		No
styrene	100-42-5	429	9	438	2.1%	100.00	96	No	No
sulfate	SULFATE		32	32	100.0%		181,000		No
sulfate (as SO4)	14808-79-8	2	354	356	99.4%	250000.00	379,000	Yes	**Yes**
sulfide, total	18496-25-8	183	40	223	17.9%		6070		No
tert-butylbenzene	98-06-6	417	21	438	4.8%		103		No
tetrachloroethene	127-18-4	409	35	444	7.9%	5.00	98	Yes	**Yes**
toluene	108-88-3	234	223	457	48.8%	750.00	19,900	Yes	**Yes**
total 1,2-dichloroethene	540-59-0	1	2	3	66.7%		20		No
TPH (Gasoline Range Organics)	8006-61-9	56	45	101	44.6%		56,100		No
trans-1,2-dichloroethene	156-60-5	430	8	438	1.8%	100.00	105	Yes	No
trans-1,3-dichloropropene	10061-02-6	429	9	438	2.1%		92		No
trichloroethane	71-55-6	323	8	331	2.4%	60.00	102	Yes	No
trichloroethene	79-01-6	417	23	440	5.2%	5.00	103	Yes	**Yes**
trichlorofluoromethane	75-69-4	421	20	441	4.5%		104		No
vinyl chloride	75-01-4	430	8	438	1.8%	1.00	84	Yes	No
xylene, o-	95-47-6	259	79	338	23.4%		3,180		No
xylenes, total	1330-20-7	211	119	330	36.1%	620.00	12,000	Yes	**Yes**

COC - constituent of concern
FOD - frequency of detection
MCL - maximum contaminant level
µg/L - micrograms per liter
SSL - soil screening level

Table 5-3. Shallow Zone Groundwater COC Summary, January 2009 - March 2012

Parameter	CAS Number	No. Non-detects	No. Detects	Total Samples	Frequency of Detection	MCL Conc. (µg/L)	Max. Detect Conc. (µg/L)	Max. Detect Conc. > MCL?	COC (FOD > 5%, Max Detect > SSL)
1,2-dibromoethane (edb)	106-93-4	479	430	909	47.3%	0.05	503	Yes	**Yes**
1,2-dichloroethane (edc)	107-06-2	368	76	444	17.1%	5.00	105	Yes	**Yes**
benzene	71-43-2	279	166	445	37.3%	5.00	13,400	Yes	**Yes**
bis (2-ethylhexyl) phthalate	117-81-7	274	45	319	14.1%	6.00	55	Yes	**Yes**
dibenzo(a,h)anthracene	53-70-3	424	23	447	5.1%	0.05	38	Yes	**Yes**
ethylbenzene	100-41-4	317	126	443	28.4%	700.00	4,420	Yes	**Yes**
iron	7439-89-6	254	129	383	33.7%	300.00	50,200	Yes	**Yes**
manganese	7439-96-5	71	318	389	81.7%	50.00	6,860	Yes	**Yes**
methylene chloride	75-09-2	416	24	440	5.5%	5.00	449	Yes	**Yes**
naphthalene	91-20-3	610	187	797	23.5%	30.00	9,640	Yes	**Yes**
Nitrogen, Nitrate (As N)	7727-37-9	17	64	81	79.0%	10000.00	12500	Yes	**Yes**
phenol	108-95-2	295	22	317	6.9%	5.00	605	Yes	**Yes**
sulfate (as SO4)	14808-79-8	2	354	356	99.4%	250000.00	379,000	Yes	**Yes**
tetrachloroethene	127-18-4	409	35	444	7.9%	5.00	98	Yes	**Yes**
toluene	108-88-3	234	223	457	48.8%	750.00	19,900	Yes	**Yes**
trichloroethene	79-01-6	417	23	440	5.2%	5.00	103	Yes	**Yes**
xylenes, total	1330-20-7	211	119	330	36.1%	620.00	12,000	Yes	**Yes**

COC - constituent of concern
FOD - frequency of detection
MCL - maximum contaminant level
µg/L - micrograms per liter
SSL - soil screening level

THIS PAGE INTENTIONALLY LEFT BLANK

Table 5-4. Intermediate Zone Groundwater COC Screening Analysis, January 2009 - March 2012

Parameter	CAS Number	No. Non-detects	No. Detects	Total Samples	Frequency of Detection	MCL Conc. (µg/L)	Max. Detect Conc. (µg/L)	Max. Detect Conc. > MCL?	COC (FOD > 5%, Max Detect > SSL)
1,1,1,2-tetrachloroethane	630-20-6	93		93	0.0%				No
1,1,1-trichloroethane	71-55-6	57		57	0.0%	60.00		No	No
1,1,2,2-tetrachloroethane	79-34-5	92	1	93	1.1%	1.80	0.774	No	No
1,1,2-trichloroethane	79-00-5	93		93	0.0%	5.00		No	No
1,1-dichloroethane	75-34-3	89	4	93	4.3%		0.54		No
1,1-dichloroethene	75-35-4	93		93	0.0%	5.00		No	No
1,1-dichloropropene	563-58-6	93		93	0.0%				No
1,2,3-trichlorobenzene	87-61-6	93		93	0.0%				No
1,2,3-trichloropropane	96-18-4	93		93	0.0%				No
1,2,4-trichlorobenzene	120-82-1	93		93	0.0%	70.00		No	No
1,2,4-trimethylbenzene	95-63-6	69	24	93	25.8%		119		No
1,2-dibromo-3-chloropropane	96-12-8	93		93	0.0%	0.20		No	No
1,2-dibromoethane (edb)	106-93-4	121	68	189	36.0%	0.05	2.19	Yes	**Yes**
1,2-dichlorobenzene	95-50-1	93		93	0.0%	600.00		No	No
1,2-dichloroethane (edc)	107-06-2	77	17	94	18.1%	5.00	3.05	No	No
1,2-dichloropropane	78-87-5	93		93	0.0%	5.00		No	No
1,2-diphenylhydrazine	122-66-7	95		95	0.0%	0.44		No	No
1,3,5-trimethylbenzene	108-67-8	68	25	93	26.9%		44.8		No
1,3-dichlorobenzene	541-73-1	93		93	0.0%	469.00		No	No
1,3-dichloropropane	142-28-9	93		93	0.0%				No
1,4-dichlorobenzene	106-46-7	93		93	0.0%	75.00		No	No
1-methylnaphthalene	90-12-0	89	6	95	6.3%		22		No
2,2-dichloropropane	594-20-7	93		93	0.0%				No
2,2'-oxybis(1-chloro)propane	108-60-1	95		95	0.0%	1400.00		No	No
2,4,5-trichlorophenol	95-95-4	95		95	0.0%				No
2,4,6-trichlorophenol	88-06-2	95		95	0.0%	24.00		No	No
2,4-dichlorophenol	120-83-2	95		95	0.0%	105.00		No	No
2,4-dimethylphenol	105-67-9	95		95	0.0%	700.00		No	No
2,4-dinitrophenol	51-28-5	95		95	0.0%	70.00		No	No
2,4-dinitrotoluene	121-14-2	95		95	0.0%	1.10		No	No
2,6-dinitrotoluene	606-20-2	95		95	0.0%				No
2-butanone (mek)	78-93-3	91	2	93	2.2%		160		No
2-chloronaphthalene	91-58-7	95		95	0.0%	1600.00		No	No
2-chlorophenol	95-57-8	95		95	0.0%	150.00		No	No
2-chlorotoluene	95-49-8	93		93	0.0%				No
2-hexanone	591-78-6	92	1	93	1.1%		68.1		No
2-methylnaphthalene	91-57-6	90	5	95	5.3%		25		No
2-methylphenol	95-48-7	93	2	95	2.1%		7.43		No
2-nitroaniline	88-74-4	95		95	0.0%				No
2-nitrophenol	88-75-5	95		95	0.0%				No
3,3'-dichlorobenzidine	91-94-1	95		95	0.0%	0.28		No	No
3-methylphenol and 4-methylphenol	65794-96-9	91	4	95	4.2%		3.48		No
3-nitroaniline	99-09-2	95		95	0.0%				No
4,6-dinitro-2-methylphenol	534-52-1	95		95	0.0%	14.00		No	No

Table 5-4. Intermediate Zone Groundwater COC Screening Analysis, January 2009 - March 2012

Parameter	CAS Number	No. Non-detects	No. Detects	Total Samples	Frequency of Detection	MCL Conc. (µg/L)	Max. Detect Conc. (µg/L)	Max. Detect Conc. > MCL?	COC (FOD > 5%, Max Detect > SSL)
4-bromophenyl phenyl ether	101-55-3	95		95	0.0%				No
4-chloro-3-methylphenol	59-50-7	95		95	0.0%				No
4-chloroaniline	106-47-8	95		95	0.0%				No
4-chlorophenyl phenyl ether	7005-72-3	95		95	0.0%				No
4-chlorotoluene	106-43-4	93		93	0.0%				No
4-isopropyltoluene	99-87-6	81	12	93	12.9%		24.3		No
4-methyl-2-pentanone	108-10-1	89	4	93	4.3%		140		No
4-nitroaniline	100-01-6	95		95	0.0%				No
4-nitrophenol	100-02-7	95		95	0.0%				No
acenaphthene	83-32-9	95		95	0.0%	990.00		No	No
acenaphthylene	208-96-8	95		95	0.0%				No
acetone	67-64-1	66	28	94	29.8%		478		No
acetophenone	98-86-2	85	10	95	10.5%		373		No
alkalinity, bicarbonate (as CACO3)	10-09-3		82	82	100.0%		331000		No
alkalinity, carbonate (as CACO3)	13-01-4	90	3	93	3.2%		4940		No
ammonia as n	7664-41-7	89	4	93	4.3%		191		No
anthracene	120-12-7	95		95	0.0%	10500.00		No	No
atrazine	1912-24-9	95		95	0.0%	3.00		No	No
Benzaldehyde	100-52-7	95		95	0.0%				No
benzene	71-43-2	66	27	93	29.0%	5.00	6800	Yes	**Yes**
benzidine	92-87-5	95		95	0.0%	0.00		No	No
benzo(a)anthracene	56-55-3	95		95	0.0%	0.05		No	No
benzo(a)pyrene	50-32-8	95		95	0.0%	0.18		No	No
benzo(b)fluoranthene	205-99-2	95		95	0.0%	0.05		No	No
benzo(g,h,i)perylene	191-24-2	95		95	0.0%				No
benzo(k)fluoranthene	207-08-9	95		95	0.0%	0.05		No	No
benzoic acid	65-85-0	95		95	0.0%				No
bicarbonate	71-52-3		14	14	100.0%		348000		No
biphenyl (diphenyl)	92-52-4	95		95	0.0%				No
bis (2-chloroethoxy) methane	111-91-1	95		95	0.0%				No
bis (2-chloroethyl) ether	111-44-4	95		95	0.0%	0.30		No	No
bis (2-ethylhexyl) phthalate	117-81-7	83	12	95	12.6%	6.00	4.61	No	No
bromobenzene	108-86-1	93		93	0.0%				No
bromochloromethane	74-97-5	93		93	0.0%				No
bromodichloromethane	75-27-4	91	2	93	2.2%	5.60	5.19	No	No
bromoform	75-25-2	93		93	0.0%	44.00		No	No
bromomethane	74-83-9	93		93	0.0%	49.00		No	No
butyl benzylphthalate	85-68-7	95		95	0.0%	1900.00		No	No
calcium	7440-70-2		96	96	100.0%		158000		No
Caprolactam	105-60-2	94	1	95	1.1%		2.44		No
carbazole	86-74-8	95		95	0.0%				No
carbon disulfide	75-15-0	92	1	93	1.1%		75.6		No
carbon tetrachloride	56-23-5	93		93	0.0%	5.00		No	No
Chloride	16887-00-6		94	94	100.0%	250000.00	127000	No	No

Table 5-4. Intermediate Zone Groundwater COC Screening Analysis, January 2009 - March 2012

Parameter	CAS Number	No. Non-detects	No. Detects	Total Samples	Frequency of Detection	MCL Conc. (µg/L)	Max. Detect Conc. (µg/L)	Max. Detect Conc. > MCL?	COC (FOD > 5%, Max Detect > SSL)
chlorobenzene	108-90-7	92	1	93	1.1%	100.00	1.38	No	No
chloroethane	75-00-3	93		93	0.0%				No
chloroform	67-66-3	91	2	93	2.2%	57.00	0.576	No	No
chloromethane	74-87-3	87	7	94	7.4%		0.452		No
chrysene	218-01-9	95		95	0.0%	0.05		No	No
cis-1,2-dichloroethene	156-59-2	93		93	0.0%	70.00		No	No
cis-1,3-dichloropropene	10061-01-5	93		93	0.0%				No
dibenzo(a,h)anthracene	53-70-3	95		95	0.0%	0.05		No	No
dibenzofuran	132-64-9	95		95	0.0%				No
dibromochloromethane	124-48-1	93	1	94	1.1%	4.20	2.63	No	No
dibromomethane	74-95-3	93		93	0.0%				No
dichlorodifluoromethane	75-71-8	84	9	93	9.7%		1.06		No
diesel range organics	11-84-7	67	28	95	29.5%		21700		No
diethyl phthalate	84-66-2	94	1	95	1.1%	28000.00	10.1	No	No
dimethyl phthalate	131-11-3	95		95	0.0%	350000.00		No	No
di-n-butylphthalate	84-74-2	95		95	0.0%	3500.00		No	No
di-n-octylphthalate	117-84-0	95		95	0.0%				No
ethylbenzene	100-41-4	74	19	93	20.4%	700.00	1080	Yes	**Yes**
fluoranthene	206-44-0	95		95	0.0%	140.00		No	No
fluorene	86-73-7	95		95	0.0%	1400.00		No	No
gasoline range organics	8006-61-9	26	14	40	35.0%		17300		No
hexachlorobenzene	118-74-1	95		95	0.0%	0.00		No	No
hexachlorobutadiene	87-68-3	188		188	0.0%	4.50		No	No
hexachlorocyclopentadiene	77-47-4	95		95	0.0%	50.00		No	No
hexachloroethane	67-72-1	95		95	0.0%	25.00		No	No
indeno(1,2,3-cd)pyrene	193-39-5	95		95	0.0%	0.05		No	No
iron	7439-89-6	82	11	93	11.8%	300.00	3700	Yes	**Yes**
isophorone	78-59-1	92	3	95	3.2%	368.00	2.52	No	No
isopropylbenzene	98-82-8	67	27	94	28.7%		82.4		No
lead-210	7439-92-1	91	2	93	2.2%	15.00	2.15	No	No
m,p-xylenes	136777-61-2	29	10	39	25.6%		193		No
magnesium	7439-95-4		96	96	100.0%		23400		No
manganese	7439-96-5	32	63	95	66.3%	50.00	4530	Yes	**Yes**
methyl tert-butyl ether (mtbe)	1634-04-4	91	2	93	2.2%		1.12		No
methylene chloride	75-09-2	93		93	0.0%	5.00		No	No
naphthalene	91-20-3	132	15	147	10.2%	30.00	116	Yes	**Yes**
n-butylbenzene	104-51-8	88	5	93	5.4%		6.24		No
nitrate	14797-55-8	3	10	13	76.9%		2690		No
nitrate (as n)	10-28-6	49	36	85	42.4%		3390		No
nitrobenzene	98-95-3	95		95	0.0%	18.00		No	No
n-nitrosodi-n-propylamine	621-64-7	95		95	0.0%	0.05		No	No
n-nitrosodiphenylamine	86-30-6	95		95	0.0%	60.00		No	No
n-propylbenzene	103-65-1	80	13	93	14.0%		75.8		No
pentachlorophenol	87-86-5	95		95	0.0%	1.00		No	No

Table 5-4. Intermediate Zone Groundwater COC Screening Analysis, January 2009 - March 2012

Parameter	CAS Number	No. Non-detects	No. Detects	Total Samples	Frequency of Detection	MCL Conc. (µg/L)	Max. Detect Conc. (µg/L)	Max. Detect Conc. > MCL?	COC (FOD > 5%, Max Detect > SSL)
phenanthrene	85-01-8	95		95	0.0%				No
phenol	108-95-2	95		95	0.0%	5.00		No	No
potassium	7440-09-7		96	96	100.0%		4550		No
pyrene	129-00-0	95		95	0.0%	1050.00		No	No
sec-butylbenzene	135-98-8	82	11	93	11.8%		12.7		No
sodium	7440-23-5		96	96	100.0%		50600		No
styrene	100-42-5	93		93	0.0%	100.00		No	No
sulfate (as SO4)	14808-79-8		95	95	100.0%	250000.00	154000	No	No
sulfide, total	18496-25-8	82	12	94	12.8%		1100		No
tert-butylbenzene	98-06-6	93		93	0.0%				No
tetrachloroethene	127-18-4	85	8	93	8.6%	5.00	0.59	No	No
toluene	108-88-3	56	37	93	39.8%	750.00	713	No	No
TPH (Gasoline Range Organics)	8006-61-9	37	17	54	31.5%		12700		No
trans-1,2-dichloroethene	156-60-5	93		93	0.0%	100.00		No	No
trans-1,3-dichloropropene	10061-02-6	93		93	0.0%				No
trichloroethane	71-55-6	36		36	0.0%	60.00		No	No
trichloroethene	79-01-6	84	10	94	10.6%	5.00	0.65	No	No
trichlorofluoromethane	75-69-4	93		93	0.0%				No
vinyl chloride	75-01-4	93		93	0.0%	1.00		No	No
xylene, o-	95-47-6	31	8	39	20.5%		257		No
xylenes, total	1330-20-7	37	17	54	31.5%	620.00	353	No	No

COC - constituent of concern
FOD - frequency of detection
MCL - maximum contaminant level
µg/L - micrograms per liter
SSL - soil screening level

Table 5-5. Intermediate Zone Groundwater COC Summary, January 2009 - March 2012

Parameter	CAS Number	No. Non-detects	No. Detects	Total Samples	Frequency of Detection	MCL Conc. (µg/L)	Max. Detect Conc. (µg/L)	Max. Detect Conc. > MCL?	COC (FOD > 5%, Max Detect > SSL)
1,2-dibromoethane (edb)	106-93-4	121	68	189	36.0%	0.05	2.19	Yes	**Yes**
benzene	71-43-2	66	27	93	29.0%	5.00	6800	Yes	**Yes**
ethylbenzene	100-41-4	74	19	93	20.4%	700.00	1080	Yes	**Yes**
iron	7439-89-6	82	11	93	11.8%	300.00	3700	Yes	**Yes**
manganese	7439-96-5	32	63	95	66.3%	50.00	4530	Yes	**Yes**
naphthalene	91-20-3	132	15	147	10.2%	30.00	116	Yes	**Yes**

COC - constituent of concern
FOD - frequency of detection
MCL - maximum contaminant level
µg/L - micrograms per liter
SSL - soil screening level

THIS PAGE INTENTIONALLY LEFT BLANK

Table 5-6. Deep Zone Groundwater COC Screening Analysis, January 2009 - March 2012

Parameter	CAS Number	No. Non-detects	No. Detects	Total Samples	Frequency of Detection	MCL Conc. (µg/L)	Max. Detect Conc. (µg/L)	Max. Detect Conc. > MCL?	COC (FOD > 5%, Max Detect > SSL)
1,1,1,2-tetrachloroethane	630-20-6	96		96	0.0%				No
1,1,1-trichloroethane	71-55-6	58		58	0.0%	60.00		No	No
1,1,2,2-tetrachloroethane	79-34-5	96		96	0.0%	1.80		No	No
1,1,2-trichloroethane	79-00-5	96		96	0.0%	5.00		No	No
1,1-dichloroethane	75-34-3	96		96	0.0%				No
1,1-dichloroethene	75-35-4	96		96	0.0%	5.00		No	No
1,1-dichloropropene	563-58-6	96		96	0.0%				No
1,2,3-trichlorobenzene	87-61-6	96		96	0.0%				No
1,2,3-trichloropropane	96-18-4	96		96	0.0%				No
1,2,4-trichlorobenzene	120-82-1	96		96	0.0%	70.00		No	No
1,2,4-trimethylbenzene	95-63-6	90	6	96	6.3%		0.842		No
1,2-dibromo-3-chloropropane	96-12-8	96		96	0.0%	0.20		No	No
1,2-dibromoethane (edb)	106-93-4	178	16	194	8.2%	0.05	0.845	Yes	**Yes**
1,2-dichlorobenzene	95-50-1	96		96	0.0%	600.00		No	No
1,2-dichloroethane (edc)	107-06-2	96		96	0.0%	5.00		No	No
1,2-dichloropropane	78-87-5	96		96	0.0%	5.00		No	No
1,2-diphenylhydrazine	122-66-7	98		98	0.0%	0.44		No	No
1,3,5-trimethylbenzene	108-67-8	94	2	96	2.1%		0.346		No
1,3-dichlorobenzene	541-73-1	96		96	0.0%	469.00		No	No
1,3-dichloropropane	142-28-9	96		96	0.0%				No
1,4-dichlorobenzene	106-46-7	96		96	0.0%	75.00		No	No
1-methylnaphthalene	90-12-0	98		98	0.0%				No
2,2-dichloropropane	594-20-7	96		96	0.0%				No
2,2'-oxybis(1-chloro)propane	108-60-1	98		98	0.0%	1400.00		No	No
2,4,5-trichlorophenol	95-95-4	98		98	0.0%				No
2,4,6-trichlorophenol	88-06-2	98		98	0.0%	24.00		No	No
2,4-dichlorophenol	120-83-2	98		98	0.0%	105.00		No	No
2,4-dimethylphenol	105-67-9	98		98	0.0%	700.00		No	No
2,4-dinitrophenol	51-28-5	98		98	0.0%	70.00		No	No
2,4-dinitrotoluene	121-14-2	98		98	0.0%	1.10		No	No
2,6-dinitrotoluene	606-20-2	98		98	0.0%				No
2-butanone (mek)	78-93-3	96		96	0.0%				No
2-chloronaphthalene	91-58-7	98		98	0.0%	1600.00		No	No
2-chlorophenol	95-57-8	98		98	0.0%	150.00		No	No
2-chlorotoluene	95-49-8	96		96	0.0%				No
2-hexanone	591-78-6	96		96	0.0%				No
2-methylnaphthalene	91-57-6	98		98	0.0%				No
2-methylphenol	95-48-7	98		98	0.0%				No
2-nitroaniline	88-74-4	98		98	0.0%				No
2-nitrophenol	88-75-5	98		98	0.0%				No
3,3'-dichlorobenzidine	91-94-1	98		98	0.0%	0.28		No	No
3-methylphenol and 4-methylphenol	65794-96-9	98		98	0.0%				No
3-nitroaniline	99-09-2	98		98	0.0%				No
4,6-dinitro-2-methylphenol	534-52-1	98		98	0.0%	14.00		No	No

Table 5-6. Deep Zone Groundwater COC Screening Analysis, January 2009 - March 2012

Parameter	CAS Number	No. Non-detects	No. Detects	Total Samples	Frequency of Detection	MCL Conc. (µg/L)	Max. Detect Conc. (µg/L)	Max. Detect Conc. > MCL?	COC (FOD > 5%, Max Detect > SSL)
4-bromophenyl phenyl ether	101-55-3	98		98	0.0%				No
4-chloro-3-methylphenol	59-50-7	98		98	0.0%				No
4-chloroaniline	106-47-8	98		98	0.0%				No
4-chlorophenyl phenyl ether	7005-72-3	98		98	0.0%				No
4-chlorotoluene	106-43-4	96		96	0.0%				No
4-isopropyltoluene	99-87-6	96		96	0.0%				No
4-methyl-2-pentanone	108-10-1	96		96	0.0%				No
4-nitroaniline	100-01-6	98		98	0.0%				No
4-nitrophenol	100-02-7	98		98	0.0%				No
acenaphthene	83-32-9	98		98	0.0%	990.00		No	No
acenaphthylene	208-96-8	98		98	0.0%				No
acetone	67-64-1	91	5	96	5.2%		7.71		No
acetophenone	98-86-2	97	1	98	1.0%		3.35		No
alkalinity, bicarbonate (as CACO3)	10-09-3		83	83	100.0%		148000		No
alkalinity, carbonate (as CACO3)	13-01-4	93	2	95	2.1%		8320		No
ammonia as n	7664-41-7	91	6	97	6.2%		234		No
anthracene	120-12-7	98		98	0.0%	10500.00		No	No
atrazine	1912-24-9	98		98	0.0%	3.00		No	No
Benzaldehyde	100-52-7	98		98	0.0%				No
benzene	71-43-2	91	5	96	5.2%	5.00	1.13	No	No
benzidine	92-87-5	98		98	0.0%	0.00		No	No
benzo(a)anthracene	56-55-3	98		98	0.0%	0.05		No	No
benzo(a)pyrene	50-32-8	98		98	0.0%	0.18		No	No
benzo(b)fluoranthene	205-99-2	98		98	0.0%	0.05		No	No
benzo(g,h,i)perylene	191-24-2	98		98	0.0%				No
benzo(k)fluoranthene	207-08-9	98		98	0.0%	0.05		No	No
benzoic acid	65-85-0	98		98	0.0%				No
bicarbonate	71-52-3		13	13	100.0%		148000		No
biphenyl (diphenyl)	92-52-4	98		98	0.0%				No
bis (2-chloroethoxy) methane	111-91-1	98		98	0.0%				No
bis (2-chloroethyl) ether	111-44-4	98		98	0.0%	0.30		No	No
bis (2-ethylhexyl) phthalate	117-81-7	86	12	98	12.2%	6.00	9.6	Yes	**Yes**
bromobenzene	108-86-1	96		96	0.0%				No
bromochloromethane	74-97-5	96		96	0.0%				No
bromodichloromethane	75-27-4	96		96	0.0%	5.60		No	No
bromoform	75-25-2	96		96	0.0%	44.00		No	No
bromomethane	74-83-9	96		96	0.0%	49.00		No	No
butyl benzylphthalate	85-68-7	98		98	0.0%	1900.00		No	No
calcium	7440-70-2		98	98	100.0%		95600		No
Caprolactam	105-60-2	97	1	98	1.0%		1.31		No
carbazole	86-74-8	98		98	0.0%				No
carbon disulfide	75-15-0	96		96	0.0%				No
carbon tetrachloride	56-23-5	96		96	0.0%	5.00		No	No
Chloride	16887-00-6		97	97	100.0%	250000.00	81800	No	No

Table 5-6. Deep Zone Groundwater COC Screening Analysis, January 2009 - March 2012

Parameter	CAS Number	No. Non-detects	No. Detects	Total Samples	Frequency of Detection	MCL Conc. (µg/L)	Max. Detect Conc. (µg/L)	Max. Detect Conc. > MCL?	COC (FOD > 5%, Max Detect > SSL)
chlorobenzene	108-90-7	96		96	0.0%	100.00		No	No
chloroethane	75-00-3	96		96	0.0%				No
chloroform	67-66-3	95	1	96	1.0%	57.00	0.334	No	No
chloromethane	74-87-3	95	1	96	1.0%		0.49		No
chrysene	218-01-9	98		98	0.0%	0.05		No	No
cis-1,2-dichloroethene	156-59-2	96		96	0.0%	70.00		No	No
cis-1,3-dichloropropene	10061-01-5	96		96	0.0%				No
dibenzo(a,h)anthracene	53-70-3	98		98	0.0%	0.05		No	No
dibenzofuran	132-64-9	98		98	0.0%				No
dibromochloromethane	124-48-1	96		96	0.0%	4.20		No	No
dibromomethane	74-95-3	96		96	0.0%				No
dichlorodifluoromethane	75-71-8	96		96	0.0%				No
diesel range organics	11-84-7	92	4	96	4.2%		226		No
diethyl phthalate	84-66-2	98		98	0.0%	28000.00		No	No
dimethyl phthalate	131-11-3	98		98	0.0%	350000.00		No	No
di-n-butylphthalate	84-74-2	98		98	0.0%	3500.00		No	No
di-n-octylphthalate	117-84-0	98		98	0.0%				No
ethylbenzene	100-41-4	88	8	96	8.3%	700.00	1.77	No	No
fluoranthene	206-44-0	98		98	0.0%	140.00		No	No
fluorene	86-73-7	98		98	0.0%	1400.00		No	No
gasoline range organics	8006-61-9	37	4	41	9.8%		89.9		No
hexachlorobenzene	118-74-1	98		98	0.0%	0.00		No	No
hexachlorobutadiene	87-68-3	194		194	0.0%	4.50		No	No
hexachlorocyclopentadiene	77-47-4	98		98	0.0%	50.00		No	No
hexachloroethane	67-72-1	98		98	0.0%	25.00		No	No
indeno(1,2,3-cd)pyrene	193-39-5	98		98	0.0%	0.05		No	No
iron	7439-89-6	95	1	96	1.0%	300.00	36.4	No	No
isophorone	78-59-1	98		98	0.0%	368.00		No	No
isopropylbenzene	98-82-8	96		96	0.0%				No
lead-210	7439-92-1	96		96	0.0%	15.00		No	No
m,p-xylenes	136777-61-2	39	2	41	4.9%		1.24		No
magnesium	7439-95-4		98	98	100.0%		13100		No
manganese	7439-96-5	49	48	97	49.5%	50.00	376	Yes	**Yes**
methyl tert-butyl ether (mtbe)	1634-04-4	96		96	0.0%				No
methylene chloride	75-09-2	96		96	0.0%	5.00		No	No
naphthalene	91-20-3	149	2	151	1.3%	30.00	0.95	No	No
n-butylbenzene	104-51-8	96		96	0.0%				No
nitrate	14797-55-8	2	12	14	85.7%		765		No
nitrate (as n)	10-28-6	61	25	86	29.1%		2560		No
nitrobenzene	98-95-3	98		98	0.0%	18.00		No	No
n-nitrosodi-n-propylamine	621-64-7	98		98	0.0%	0.05		No	No
n-nitrosodiphenylamine	86-30-6	98		98	0.0%	60.00		No	No
n-propylbenzene	103-65-1	96		96	0.0%				No
pentachlorophenol	87-86-5	98		98	0.0%	1.00		No	No

Table 5-6. Deep Zone Groundwater COC Screening Analysis, January 2009 - March 2012

Parameter	CAS Number	No. Non-detects	No. Detects	Total Samples	Frequency of Detection	MCL Conc. (µg/L)	Max. Detect Conc. (µg/L)	Max. Detect Conc. > MCL?	COC (FOD > 5%, Max Detect > SSL)
phenanthrene	85-01-8	98		98	0.0%				No
phenol	108-95-2	98		98	0.0%	5.00		No	No
potassium	7440-09-7		98	98	100.0%		3690		No
pyrene	129-00-0	98		98	0.0%	1050.00		No	No
sec-butylbenzene	135-98-8	96		96	0.0%				No
sodium	7440-23-5		98	98	100.0%		34600		No
styrene	100-42-5	96		96	0.0%	100.00		No	No
sulfate (as SO4)	14808-79-8		96	96	100.0%	250000.00	114000	No	No
sulfide, total	18496-25-8	82	15	97	15.5%		1000		No
tert-butylbenzene	98-06-6	96		96	0.0%				No
tetrachloroethene	127-18-4	95	1	96	1.0%	5.00	0.307	No	No
toluene	108-88-3	65	32	97	33.0%	750.00	28.7	No	No
TPH (Gasoline Range Organics)	8006-61-9	54	1	55	1.8%		317		No
trans-1,2-dichloroethene	156-60-5	96		96	0.0%	100.00		No	No
trans-1,3-dichloropropene	10061-02-6	96		96	0.0%				No
trichloroethane	71-55-6	38		38	0.0%	60.00		No	No
trichloroethene	79-01-6	92	4	96	4.2%	5.00	0.453	No	No
trichlorofluoromethane	75-69-4	96		96	0.0%				No
vinyl chloride	75-01-4	96		96	0.0%	1.00		No	No
xylene, o-	95-47-6	39	2	41	4.9%		0.532		No
xylenes, total	1330-20-7	49	6	55	10.9%	620.00	5.15	No	No

COC - constituent of concern
FOD - frequency of detection
MCL - maximum contaminant level
µg/L - micrograms per liter
SSL - soil screening level

Table 5-7. Deep Zone Groundwater COC Summary, January 2009 - March 2012

Parameter	CAS Number	No. Non-detects	No. Detects	Total Samples	Frequency of Detection	MCL Conc. (µg/L)	Max. Detect Conc. (µg/L)	Max. Detect Conc. > MCL?	COC (FOD > 5%, Max Detect > SSL)
1,2-dibromoethane (edb)	106-93-4	178	16	194	8.2%	0.05	0.845	Yes	**Yes**
bis (2-ethylhexyl) phthalate	117-81-7	86	12	98	12.2%	6.00	9.6	Yes	**Yes**
manganese	7439-96-5	49	48	97	49.5%	50.00	376	Yes	**Yes**

COC - constituent of concern
FOD - frequency of detection
MCL - maximum contaminant level
µg/L - micrograms per liter
SSL - soil screening level

THIS PAGE INTENTIONALLY LEFT BLANK

Table 5-8. Groundwater and NAPL Depths and Elevations
January 2012
(Historical data in Appendix E)

WELL	AQUIFER ZONE	DATE	TIME	DEPTH TO PRODUCT	DEPTH TO WATER	MEASURED NAPL THICKNESS	TOP FLUID ELEV. (ft)	GROUND WATER ELEV. (ft)	GW. ELEV. CORRECTED FOR NAPL (ft)	NAPL ELEV. (ft)	USE
KAFB-0118		1/5/2012	823		463.45		4857.30	4857.30	4857.30		
KAFB-0118		1/10/2012	1047		460.77		4859.98	4859.98	4859.98		
KAFB-0119		1/5/2012	800		481.63		4834.19	4834.19	4834.19		
KAFB-0119		1/10/2012	1054		456.41		4859.41	4859.41	4859.41		
KAFB-0121		1/5/2012	835		448.09		4856.84	4856.84	4856.84		
KAFB-0510-MW		1/5/2012	754		513.41		4748.77	4748.77	4748.77		
KAFB-0524		1/5/2012	814		487.26		4855.68	4855.68	4855.68		
KAFB-1061	Shallow	1/5/2012	1423		488.68		4856.31	4856.31	4856.31		Yes
KAFB-1061	Shallow	1/5/2012	930		490.89		4854.10	4854.10	4854.10		No
KAFB-1062	Shallow	1/5/2012	1222		484.84		4857.41	4857.41	4857.41		Yes
KAFB-1063	Shallow	1/5/2012	1149		482.84		4857.38	4857.38	4857.38		Yes
KAFB-1064	Shallow	1/5/2012	1445		488.85		4856.93	4856.93	4856.93		Yes
KAFB-1065	Shallow	1/5/2012	1458		489.80		4857.23	4857.23	4857.23		Yes
KAFB-1066	Shallow	1/5/2012	1442		494.21		4857.39	4857.39	4857.39		Yes
KAFB-1067	Shallow	1/5/2012	1412		492.16		4857.41	4857.41	4857.41		Yes
KAFB-1068	Shallow	1/5/2012	1450		494.72		4857.18	4857.18	4857.18		Yes
KAFB-1069	Shallow	1/5/2012	1509		487.99		4856.89	4856.89	4856.89		Yes
KAFB-10610	Shallow	1/5/2012	1530		487.23		4856.06	4856.06	4856.06		Yes
KAFB-10611	Shallow	1/5/2012	1316		496.75		4856.44	4856.44	4856.44		Yes
KAFB-10612	Shallow	1/5/2012	1233		489.18		4856.22	4856.22	4856.22		Yes
KAFB-10613	Shallow	1/5/2012	1406		494.22		4856.52	4856.52	4856.52		Yes
KAFB-10614	Shallow	1/5/2012	1308		493.80		4856.49	4856.49	4856.49		Yes
KAFB-10615	Shallow	1/5/2012	1021		488.75		4853.83	4853.83	4853.83		Yes
KAFB-10616	Shallow	1/5/2012	956		484.68		4857.83	4857.83	4857.83		Yes
KAFB-10617	Shallow	1/5/2012	1019		487.24		4855.28	4855.28	4855.28		Yes
KAFB-10618	Shallow	1/5/2012	1103		480.77		4855.51	4855.51	4855.51		Yes
KAFB-10619	Shallow	1/5/2012	1114		499.17		4855.46	4855.46	4855.46		Yes

Table 5-8. Groundwater and NAPL Depths and Elevations
January 2012
(Historical data in Appendix E)

WELL	AQUIFER ZONE	DATE	TIME	DEPTH TO PRODUCT	DEPTH TO WATER	MEASURED NAPL THICKNESS	TOP FLUID ELEV. (ft)	GROUND WATER ELEV. (ft)	GW. ELEV. CORRECTED FOR NAPL (ft)	NAPL ELEV. (ft)	USE
KAFB-10620	Shallow	1/5/2012	1340		485.13		4855.95	4855.95	4855.95		Yes
KAFB-10621	Shallow	1/5/2012	850		459.34		4855.06	4855.06	4855.06		Yes
KAFB-10622	Shallow	1/4/2012	1255		463.81		4854.20	4854.20	4854.20		Yes
KAFB-10623	Shallow	1/4/2012	1350		473.93		4854.88	4854.88	4854.88		Yes
KAFB-10624	Shallow	1/5/2012	1343		486.06		4857.41	4857.41	4857.41		Yes
KAFB-10625	Shallow	1/4/2012	922		463.43		4853.87	4853.87	4853.87		Yes
KAFB-10626	Shallow	1/4/2012	805		469.78		4852.89	4852.89	4852.89		Yes
KAFB-10627	Shallow	1/5/2012	926		490.38		4858.16	4858.16	4858.16		Yes
KAFB-10628-510	Shallow	1/5/2012	1544		492.57		4856.49	4856.49	4856.49		Yes
KAFB-106029	Shallow	1/4/2012	1415		456.53		4854.43	4854.43	4854.43		Yes
KAFB-106030	Intermediate	1/4/2012	1427		456.65		4854.37	4854.37	4854.37		Yes
KAFB-106031	Deep	1/4/2012	1439		456.73		4854.33	4854.33	4854.33		Yes
KAFB-106032	Shallow	1/5/2012	900		462.22		4855.38	4855.38	4855.38		Yes
KAFB-106033	Intermediate	1/5/2012	912		462.41		4855.43	4855.43	4855.43		Yes
KAFB-106034	Deep	1/5/2012	933		463.22		4855.42	4855.42	4855.42		Yes
KAFB-106035	Shallow	1/4/2012	1310		467.18		4854.46	4854.46	4854.46		Yes
KAFB-106036	Intermediate	1/4/2012	1325		467.68		4854.30	4854.30	4854.30		Yes
KAFB-106037	Deep	1/4/2012	1338		467.88		4854.28	4854.28	4854.28		Yes
KAFB-106038	Shallow	1/5/2012	945		496.23		4855.42	4855.42	4855.42		Yes
KAFB-106039	Intermediate	1/5/2012	956		496.16		4855.18	4855.18	4855.18		Yes
KAFB-106040	Deep	1/5/2012	1007		495.06		4855.23	4855.23	4855.23		Yes
KAFB-106040	Deep	1/10/2012	821		494.94		4855.35	4855.35	4855.35		No
KAFB-106042	Shallow	1/4/2012	815		470.72		4853.42	4853.42	4853.42		Yes
KAFB-106043	Deep	1/4/2012	826		471.06		4853.32	4853.32	4853.32		Yes
KAFB-106044	Intermediate	1/5/2012	935		490.91		4857.93	4857.93	4857.93		Yes
KAFB-106044	Intermediate	1/10/2012	904		490.89		4857.95	4857.95	4857.95		No
KAFB-106045	Deep	1/5/2012	944		490.30		4858.18	4858.18	4858.18		Yes

Table 5-8. Groundwater and NAPL Depths and Elevations
January 2012
(Historical data in Appendix E)

WELL	AQUIFER ZONE	DATE	TIME	DEPTH TO PRODUCT	DEPTH TO WATER	MEASURED NAPL THICKNESS	TOP FLUID ELEV. (ft)	GROUND WATER ELEV. (ft)	GW. ELEV. CORRECTED FOR NAPL (ft)	NAPL ELEV. (ft)	USE
KAFB-106046	Shallow	1/5/2012	1033		496.24		4856.68	4856.68	4856.68		Yes
KAFB-106047	Intermediate	1/5/2012	1042		496.49		4856.33	4856.33	4856.33		Yes
KAFB-106048	Deep	1/5/2012	1051		496.09		4856.50	4856.50	4856.50		Yes
KAFB-106049	Shallow	1/4/2012	845		462.32		4853.83	4853.83	4853.83		Yes
KAFB-106050	Intermediate	1/4/2012	857		461.86		4853.72	4853.72	4853.72		Yes
KAFB-106051	Deep	1/4/2012	909		462.11		4853.77	4853.77	4853.77		Yes
KAFB-106052	Shallow	1/4/2012	933		465.18		4853.76	4853.76	4853.76		Yes
KAFB-106053	Intermediate	1/4/2012	947		465.35		4853.36	4853.36	4853.36		Yes
KAFB-106054	Deep	1/4/2012	1002		465.05		4853.38	4853.38	4853.38		Yes
KAFB-106055	Shallow	1/4/2012	1145		471.49		4853.67	4853.67	4853.67		Yes
KAFB-106057	Intermediate	1/4/2012	1157		471.85		4853.68	4853.68	4853.68		Yes
KAFB-106058	Deep	1/4/2012	1210		472.39		4853.71	4853.71	4853.71		Yes
KAFB-106059	Shallow	1/5/2012	1518	487.53	488.25	0.72	4857.27	4856.55	4857.15	4857.27	Yes
KAFB-106060	Intermediate	1/5/2012	1324		488.23		4857.11	4857.11	4857.11		Yes
KAFB-106061	Deep	1/5/2012	1334		487.99		4857.24	4857.24	4857.24		Yes
KAFB-106062	Deep	1/5/2012	1114		495.41		4855.80	4855.80	4855.80		Yes
KAFB-106063	Intermediate	1/5/2012	1126		495.26		4856.62	4856.62	4856.62		Yes
KAFB-106063	Intermediate	1/10/2012	957		496.13		4855.75	4855.75	4855.75		No
KAFB-106064	Shallow	1/5/2012	1139		495.47		4855.61	4855.61	4855.61		Yes
KAFB-106065	Intermediate	1/5/2012	1519		492.04		4856.78	4856.78	4856.78		Yes
KAFB-106066	Deep	1/5/2012	1530		492.17		4856.96	4856.96	4856.96		Yes
KAFB-106067	Shallow	1/5/2012	1220		491.41		4856.12	4856.12	4856.12		No
KAFB-106067	Shallow	1/10/2012	943		491.79		4855.74	4855.74	4855.74		Yes
KAFB-106068	Deep	1/5/2012	1231		491.53		4855.70	4855.70	4855.70		Yes
KAFB-106069	Intermediate	1/5/2012	1243		491.85		4855.43	4855.43	4855.43		Yes
KAFB-106070	Shallow	1/4/2012	1526		463.81		4854.68	4854.68	4854.68		Yes
KAFB-106071	Deep	1/4/2012	1536		466.05		4854.80	4854.80	4854.80		Yes

Table 5-8. Groundwater and NAPL Depths and Elevations
January 2012
(Historical data in Appendix E)

WELL	AQUIFER ZONE	DATE	TIME	DEPTH TO PRODUCT	DEPTH TO WATER	MEASURED NAPL THICKNESS	TOP FLUID ELEV. (ft)	GROUND WATER ELEV. (ft)	GW. ELEV. CORRECTED FOR NAPL (ft)	NAPL ELEV. (ft)	USE
KAFB-106072	Intermediate	1/4/2012	1549		464.45		4854.86	4854.86	4854.86		Yes
KAFB-106072	Intermediate	1/5/2012	1200		464.45		4854.86	4854.86	4854.86		No
KAFB-106072	Intermediate	1/10/2012	808		464.09		4855.22	4855.22	4855.22		No
KAFB-106073	Intermediate	1/5/2012	1352		483.78		4855.99	4855.99	4855.99		Yes
KAFB-106074	Deep	1/10/2012	835		484.66		4855.98	4855.98	4855.98		Yes
KAFB-106075	Shallow	1/10/2012	849		484.51		4856.03	4856.03	4856.03		Yes
KAFB-106076	Shallow	1/5/2012	1434	487.56	488.02	0.46	4857.28	4856.82	4857.21	4857.28	Yes
KAFB-106077	Intermediate	1/5/2012	1354		487.79		4856.94	4856.94	4856.94		Yes
KAFB-106078	Deep	1/5/2012	1403		488.00		4856.62	4856.62	4856.62		Yes
KAFB-106079	Shallow	1/5/2012	1242		493.27		4856.39	4856.39	4856.39		Yes
KAFB-106080	Intermediate	1/5/2012	1251		492.98		4855.47	4855.47	4855.47		Yes
KAFB-106080	Intermediate	1/10/2012	917		492.94		4855.51	4855.51	4855.51		No
KAFB-106081	Deep	1/5/2012	1300		492.86		4856.61	4856.61	4856.61		Yes
KAFB-106082	Shallow	1/5/2012	1030		479.45		4855.48	4855.48	4855.48		Yes
KAFB-106083	Intermediate	1/5/2012	1042		479.36		4855.46	4855.46	4855.46		Yes
KAFB-106084	Deep	1/5/2012	1052		478.61		4855.60	4855.60	4855.60		Yes
KAFB-106085	Shallow	1/4/2012	1600		462.15		4855.19	4855.19	4855.19		Yes
KAFB-106086	Intermediate	1/4/2012	1613		462.67		4855.09	4855.09	4855.09		Yes
KAFB-106087	Deep	1/4/2012	1626		461.88		4855.12	4855.12	4855.12		Yes
KAFB-106088	Shallow	1/4/2012	1452		469.45		4854.82	4854.82	4854.82		Yes
KAFB-106089	Intermediate	1/4/2012	1504		469.32		4854.29	4854.29	4854.29		Yes
KAFB-106090	Deep	1/4/2012	1505		468.15		4854.79	4854.79	4854.79		Yes
KAFB-106091	Shallow	1/4/2012	1022		459.97		4854.38	4854.38	4854.38		Yes
KAFB-106092	Intermediate	1/4/2012	1037		460.30		4854.21	4854.21	4854.21		Yes
KAFB-106093	Deep	1/4/2012	1049		460.34		4854.15	4854.15	4854.15		Yes
KAFB-106094	Shallow	1/5/2012	1130		488.48		4856.70	4856.70	4856.70		Yes
KAFB-106095	Intermediate	1/5/2012	1142		488.04		4856.72	4856.72	4856.72		Yes

Table 5-8. Groundwater and NAPL Depths and Elevations
January 2012
(Historical data in Appendix E)

WELL	AQUIFER ZONE	DATE	TIME	DEPTH TO PRODUCT	DEPTH TO WATER	MEASURED NAPL THICKNESS	TOP FLUID ELEV. (ft)	GROUND WATER ELEV. (ft)	GW. ELEV. CORRECTED FOR NAPL (ft)	NAPL ELEV. (ft)	USE
KAFB-106096	Deep	1/5/2012	1152		488.63		4856.77	4856.77	4856.77		Yes
KAFB-106097	Intermediate	1/5/2012	1417		491.12		4856.75	4856.75	4856.75		Yes
KAFB-106098	Deep	1/5/2012	1429		491.28		4856.65	4856.65	4856.65		Yes
KAFB-106099	Intermediate	1/5/2012	1456		485.51		4857.39	4857.39	4857.39		Yes
KAFB-106100	Deep	1/5/2012	1508		485.45		4857.39	4857.39	4857.39		Yes
KAFB-106101	Intermediate	1/5/2012	1200		482.94		4857.39	4857.39	4857.39		Yes
KAFB-106102	Deep	1/5/2012	1211		483.06		4857.22	4857.22	4857.22		Yes
KAFB-106103	Intermediate	1/4/2012	1400		474.22		4854.37	4854.37	4854.37		Yes
KAFB-106104	Deep	1/4/2012	1411		473.63		4854.51	4854.51	4854.51		Yes
KAFB-106105	Intermediate	1/4/2012	1103		468.77		4853.24	4853.24	4853.24		Yes
KAFB-106106	Shallow	1/4/2012	1115		468.74		4853.15	4853.15	4853.15		Yes
KAFB-106107	Deep	1/4/2012	1129		468.82		4853.39	4853.39	4853.39		Yes
KAFB-3392		1/5/2012	847		540.33		4851.67	4851.67	4851.67		
KAFB-3411	Shallow	1/5/2012	1005		486.26		4857.40	4857.40	4857.40		Yes

ft - foot/feet

NAPL - non-aqueous phase liquid

THIS PAGE INTENTIONALLY LEFT BLANK

Table 5-9. Degradation Indicators

Degradation Indicator	Indicator Group	Conc. Change Indicating Microbial Degradation	Description	Comments
Ammonia	Nutrient	Decrease	Nutrient	Absence of nutrients may limit degradation
Orthophosphate		Decrease	Nutrient	
Dissolved oxygen	Electron acceptors	Decrease	Electron acceptor	Degrades to carbon dioxide (CO_2)
Oxidation-reduction potential		Decrease	Electron acceptor	General indicator parameter
Nitrate		Decrease	Under anaerobic degradation of carbon, nitrate (NO_3^-) is electron acceptor resulting in increase in nitrite (NO_2^-) or nitrogen (N_2)	Complete nitrate/nitrite reduction produces dissolved nitrogen
Iron, Fe^{2+}		Increase	Under anaerobic degradation of carbon, ferric iron (Fe^{3+}) is electron acceptor resulting in increase in ferrous iron (Fe^{2+})	Ferrous iron more stable in natural water than ferric iron
Manganese		Increase	Under anaerobic degradation of carbon, manganese iron (Mn^{4+}) is electron acceptor resulting in increase in manganese (Mn^{2+})	Mn^{2+} more stable in natural water than Mn^{4+}
Sulfate		Decrease	Under anaerobic degradation of carbon, sulfur (S^{6+}) is electron acceptor resulting in increase in sulfide (S^{2-})	Presence of sulfate minerals in soil may mitigate sulfate decreases
Carbon dioxide	By-products	Increase	Degradation by-product	O_2 reduction by-product
Nitrogen, total		Decrease	Degradation by-product	NO_3^- reduction by-product
Sulfide		Increase	Under anaerobic degradation of carbon, sulfur (S^{6+}) is electron acceptor resulting in increase in sulfide (S^{2-})	SO_4^{2-} reduction by-product

Table 5-9. Degradation Indicators

Degradation Indicator	Indicator Group	Conc. Change Indicating Microbial Degradation	Description	Comments
Alkalinity, total	Indirect by-products	Increase	Mineral dissolution resulting from CO_2 increase	Dependant on presence of carbonate minerals in soil
Calcium		Increase	Mineral dissolution resulting from CO_2 increase	Dependant on presence of carbonate minerals in soil
Magnesium		Increase	Mineral dissolution resulting from CO_2 increase	Dependant on presence of carbonate minerals in soil
Benzene	Electron donors	Decrease	Carbon electron donor	
1,2-Dibromomethane (EDB)		Decrease	Carbon electron donor	
Toluene		Decrease	Carbon electron donor	
Xylenes-m,p		Decrease	Carbon electron donor	
Other organic compounds		Decrease	Carbon electron donor	
Total Petroleum Hydrocarbon (TPH) (Diesel Range Oganics)		Decrease	Carbon electron donor	
TPH (Gasoline Range Organics)		Decrease	Carbon electron donor	

Table 5-10
Summary of Aquifer Characteristics Determined by Slug Testing

Results				Field QC Repeat Results			
Well ID No.	**K (ft/day)**	**(S_s ft^{-1})**	**(Kv/Kh)**	**Well ID No.**	**K (ft/day)**	**(S_s ft^{-1})**	**(Kv/Kh)**
KAFB 10610	104	6.3E-04	4.0E-02				
KAFB 10613	92	3.8E-05	1.0E-01				
KAFB 10617	74	1.4E-05	1.0E-01				
KAFB 10618	68	2.8E-05	1.0E-02				
KAFB 10619	41	1.0E-05	1.0E-02				
KAFB 10620	93	1.9E-04	1.0E-01				
KAFB 10621	46	2.7E-04	1.1E-02				
KAFB 10625	46	1.5E-04	1.0E-01				
KAFB 106030	65	7.9E-05	1.0E-01				
KAFB 106032	108	1.7E-04	1.0E-01	**QC KAFB 106032**	108	5.4E-05	1.0E-04
KAFB 106033	76	3.8E-04	1.0E-01				
KAFB 106034	53	1.2E-04	1.0E-01				
KAFB 106036	49	5.8E-05	1.0E-07				
KAFB 106038	113	5.2E-04	1.0E-02	**QC KAFB 106038**	98	1.7E-04	1.0E-03
KAFB 106039	59	2.8E-07	1.0E-09				
KAFB 106040	40	1.5E-04	1.0E-07				
KAFB 106042	66	5.7E-04	1.0E-01				
KAFB 106050	87	1.5E-03	1.E-01				
KAFB 106053	58	4.7E-05	1.0E-01				
KAFB 106057	61	6.5E-05	1.0E-01				
KAFB 106067	54	2.5E-04	2.0E-01				
KAFB 106068	75	5.6E-04	1.0E-01				
KAFB 106071	76	3.5E-05	1.0E-01				
KAFB 106073	72	7.9E-05	1.0E-01				
KAFB 106074	107	7.9E-05	1.0E-01				
KAFB 106075	77	2.5E-05	2.0E-02				
KAFB 106079	121	1.0E-03	3.0E-01				
KAFB 106082	41	1.6E-04	1.0E-01				
KAFB 106083	78	3.1E-04	1.0E-01				
KAFB 106084	102	7.2E-05	1.0E-01				
KAFB 106086	54	7.0E-04	1.0E-01				
KAFB 106089	45	2.0E-04	1.0E-01	**QC KAFB 106089**	72	7.0E-05	1.0E-06
KAFB 106092	80	5.8E-05	1.0E-01				
KAFB 106095	87	1.8E-04	1.0E-01				
KAFB 106096	129	1.0E-05	1.0E-01	**QC KAFB 106096**	199	6.2E-07	1.0E-04
KAFB 106105	72	2.7E-05	1.0E-05				
KAFB 106107	84	5.2E-04	1.0E-06				
Geo. Mean	71	1.E-04	1.E-02	**Geo. Mean**	111	2.5E-05	5.6E-05
Minimum	40	3.E-07	1.E-09	**Minimum**	72	6.2E-07	1.0E-06
Maximum	129	2.E-03	3.E-01	**Maximum**	199	1.7E-04	1.0E-03

THIS PAGE INTENTIONALLY LEFT BLANK

Table 6-1
IDW Roll-Off Bin Sampling and Disposal
January - March 2012

Rolloff #	Date Sampled	Sample ID	Well Location	Disposal
25	12/8/2012	106157IDW1	KAFB-106157	Landfill
26	12/8/2012	106157IDW2	KAFB-106157	Landfill
33	2/1/2012	106157IDW3	KAFB-106157	Landfill
29	2/1/2012	106157IDW5	KAFB-106157	Landfill
30	2/22/2012	106157IDW6	KAFB-106157	Landfill
26	2/22/2012	106161IDW1	KAFB-106161	Landfill
18	2/22/2012	106161IDW2	KAFB-106161	Landfill
25	2/22/2012	106161IDW3	KAFB-106161	Landfill
27	3/1/2012	106160IDW1	KAFB-106160	Landfill
33	3/1/2012	106160IDW2	KAFB-106160	Landfill
29	3/1/2012	106160IDW3	KAFB-106160	Landfill
28	3/6/2012	FFORIDW1	FFOR DPT	Offsite

THIS PAGE INTENTIONALLY LEFT BLANK

Table 6-2
Wastewater Sampling and Disposal
January - March 2012

Tank	Date Sampled	Sample ID	Type of Wastewater	Disposal
106153	2/16/2012	106153WW1	Decon Water	Discharged to Ground Surface at KAFB BFF
106154	2/16/2012	106154WW1	Decon Water	Discharged to Ground Surface at KAFB BFF
106155	2/16/2012	106155WW1	Decon Water	Discharged to Ground Surface at KAFB BFF
106156	2/16/2012	106156WW1	Decon Water	Discharged to Ground Surface at KAFB BFF
106157	3/29/2012	106157WW1	Decon Water	Discharged to Ground Surface at KAFB BFF
106160	3/29/2012	106160WW1	Decon Water	Discharged to Ground Surface at KAFB BFF
106161	3/29/2012	106161WW1	Decon Water	Discharged to Ground Surface at KAFB BFF

THIS PAGE INTENTIONALLY LEFT BLANK

Table 6-3
IDW Groundwater Sampling Storage and Disposal
January - March 2012

Monitoring Well	IDW Purge Water (Gallons)	Storage/Disposal
KAFB3411	32	BFF
KAFB-106001	40	BFF – NOI pending
KAFB-106002	39	BFF
KAFB-106005	33	Offsite
KAFB-106006	28	Offsite
KAFB-106007	35	BFF
KAFB-106008	34	Offsite
KAFB-106009	36	Offsite
KAFB-106010	42	Offsite
KAFB-106011	33	BFF
KAFB-106014	38	Offsite
KAFB-106015	47	BFF
KAFB-106016	34	BFF
KAFB-106017	51	BFF – NOI pending
KAFB-106018	43	BFF – NOI pending
KAFB-106019	40	BFF – NOI pending
KAFB-106020	47	BFF
KAFB-106021	120	BFF – NOI pending
KAFB-106022	49	BFF – NOI pending
KAFB-106024	43	BFF – NOI pending
KAFB-106025	51	BFF
KAFB-106026	40	BFF
KAFB-106029	37	BFF
KAFB-106030	51	BFF
KAFB-106031	75	BFF
KAFB-106032	36	BFF
KAFB-106033	52	BFF
KAFB-106034	77	BFF
KAFB-106035	39	BFF – NOI pending
KAFB-106036	53	BFF – NOI pending
KAFB-106037	76	BFF – NOI pending
KAFB-106038	33	BFF
KAFB-106039	51	BFF
KAFB-106040	75	BFF
KAFB-106042	36	BFF – NOI pending
KAFB-106043	111	BFF
KAFB-106027	25	BFF
KAFB-106044	47	BFF
KAFB-106045	76	BFF
KAFB-106046	37	BFF
KAFB-106047	54	BFF – NOI pending
KAFB-106048	78	BFF
KAFB-106049	42	BFF
KAFB-106050	50	BFF
KAFB-106051	77	BFF
KAFB-106052	39	BFF
KAFB-106053	51	BFF
KAFB-106054	78	BFF
KAFB-106055	37	BFF – NOI pending
KAFB-106057	51	BFF – NOI pending

Table 6-3
IDW Groundwater Sampling Storage and Disposal
January - March 2012

Monitoring Well	IDW Purge Water (Gallons)	Storage/Disposal
KAFB-106058	74	BFF – NOI pending
KAFB-106059	41	Offsite
KAFB-106060	54	BFF
KAFB-106061	125	BFF
KAFB-106062	120	BFF
KAFB-106063	48	BFF
KAFB-106064	30	BFF – NOI pending
KAFB-106028-510	34	Offsite
KAFB-106065	54	Offsite
KAFB-106066	123	BFF
KAFB-106067	35	BFF – NOI pending
KAFB-106068	129	BFF
KAFB-106069	53	BFF – NOI pending
KAFB-106070	41	BFF – NOI pending
KAFB-106071	121	BFF
KAFB-106072	59	BFF – NOI pending
KAFB-106073	54	BFF
KAFB-106074	123	BFF
KAFB-106075	40	BFF – NOI pending
KAFB-106076	33	Offsite
KAFB-106077	54	BFF
KAFB-106078	125	BFF
KAFB-106079	31	Offsite
KAFB-106080	50	Offsite
KAFB-106081	120	BFF
KAFB-106082	34	BFF – NOI pending
KAFB-106083	54	BFF – NOI pending
KAFB-106084	126	BFF
KAFB-106085	39	BFF – NOI pending
KAFB-106086	52	BFF – NOI pending
KAFB-106087	52	BFF
KAFB-106088	29	BFF – NOI pending
KAFB-106089	50	BFF – NOI pending
KAFB-106090	129	BFF
KAFB-106091	39	BFF – NOI pending
KAFB-106092	50	BFF – NOI pending
KAFB-106093	121	BFF
KAFB-106094	40	BFF – NOI pending
KAFB-106095	53	BFF
KAFB-106096	127	BFF
KAFB-106013	36	BFF
KAFB-106097	53	BFF
KAFB-106098	98	BFF
KAFB-106004	41	BFF
KAFB-106099	54	BFF
KAFB-106100	80	BFF
KAFB-106003	37	BFF
KAFB-106101	50	BFF
KAFB-106102	76	BFF
KAFB-106023	49	BFF

Table 6-3
IDW Groundwater Sampling Storage and Disposal
January - March 2012

Monitoring Well	IDW Purge Water (Gallons)	Storage/Disposal
KAFB-106103	49	BFF
KAFB-106104	75	BFF
KAFB-106105	40	BFF – NOI pending
KAFB-106106	39	BFF – NOI pending
KAFB-106107	80	BFF

BFF - Indicates IDW purge water storage proximate to the KAFB Bulk Fuels Facility near Shaw's field office trailer.
NOI - Notice of Intent
Offsite - Indicates the IDW purgewater was manifested as hazardous waste and sent offsite for disposal.

THIS PAGE INTENTIONALLY LEFT BLANK