TABLES

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Table 2-1
FFOR SVE System - Active Extraction Wells
April - June 2012

Extraction Well ID	Depth of Screened Interval (ft bgs)	Active Extraction Wells During April - June 2012 Operation Period
SVEW-01	245 - 260	Yes
SVEW-02	45 - 60	No
SVEW-03	145 - 160	No
SVEW-04	298 - 313	No
SVEW-05	445 - 460	Yes
SVEW-06	45 - 60	No
SVEW-07	145 - 160	No
SVEW-08	245 - 260	No
SVEW-09	435 - 450	No

bgs - Below ground surface

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Table 2-2
Field Measurements for Soil Vapor Extraction Units
April - June 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 (cu.ft.)	Purge Rate (cfm)
ST106-IN	6/13/2012	VA9057	REG	0.00	0.00	2.20	15.24	6920.00	NA	NA	NA	NA
ST106-POSTC1	6/13/2012	VA9058	REG	3.40	0.00	12.52	0.67	76.00	NA	NA	NA	NA
ST106-POSTC2	6/14/2012	VA9059	REG	0.60	0.00	11.78	1.54	82.00	NA	NA	NA	NA
KAFB106149-IN	6/14/2012	VA9060	REG	-1.60	0.00	2.40	15.46	11650.00	NA	NA	NA	NA
KAFB106149-POSTC1	6/14/2012	VA9061	REG	0.30	0.00	6.82	9.01	2110.00	NA	NA	NA	NA
KAFB106149-POSTC2	6/14/2012	VA9062	REG	1.00	0.00	9.20	7.69	442.00	NA	NA	NA	NA
KAFB106160-IN	6/14/2012	VA9063	REG	-1.20	0.00	0.78	17.42	4190.00	NA	NA	NA	NA
KAFB106160-POSTC2	6/14/2012	VA9065	REG	0.90	0.00	9.10	3.96	91.00	NA	NA	NA	NA
KAFB106161-IN	6/14/2012	VA9066	REG	-1.40	0.00	1.62	15.94	13290.00	NA	NA	NA	NA
KAFB106161-POSTC1	6/14/2012	VA9068	REG	1.60	0.00	9.40	4.11	83.00	NA	NA	NA	NA

NA - Not applicable

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Table 2-3
SVE Units Laboratory and Field Analytical Data
April - June 2012

Laboratory Analytical Results[a]													
	Date	6/13/12	6/13/12	6/14/12	6/14/12	10/3/11	10/3/11	10/3/11	10/3/11	10/3/11	10/4/11	10/4/11	10/4/11
Parameter	Conc. Units	ST106 Unit 249 Influent	ST106 E1 Unit 249 Effluent	ST106 E2 Unit 249 Effluent	KAFB-106149 Unit 335 Influent	KAFB-106149 E1 Unit 335 Effluent	KAFB-106149 E2 Unit 335 Effluent	KAFB-106160 Unit 345 Influent	KAFB-106160 E1 Unit 345 Effluent[b]	KAFB-106160 E2 Unit 345 Effluent	KAFB-106161 Unit 344 Influent	KAFB-106161 E1 Unit 344 Effluent	KAFB-106161 E2 Unit 344 Effluent[b]
Benzene	ppm_v	2.73	0.97	0.90	120.0	11.0	34.0	36.0	NA	20.00	180.0	7.1	NA
Toluene	ppm_v	17.8	1.4	1.1	27.0	13	18.00	37.0	NA	14.00	230.0	2.30	NA
Ethylbenzene	ppm_v	2.13	ND (0.8)	0.05	ND (16)	0.59	0.92	ND (16)	NA	0.90	8.60	0.14	NA
Xylenes	ppm_v	7.6	0.42	0.14	ND (24)	1.3	1.50	ND (24)	NA	3.10	23.00	0.21	NA
Hexane	ppm_v	10.86	5.0	1.1	310.00	27.0	40	210.00	NA	7.1	530.0	9.5	NA
1,3,5-Trimethylbenzene	ppm_v	ND (0.4)	ND (0.4)	ND (0.04)	ND (8)	ND (0.4)	ND (0.8)	ND (8)	NA	ND (0.4)	ND (8)	ND (0.04)	NA
1,2,4-Trimethylbenzene	ppm_v	0.56	0.74	ND (0.04)	ND (8)	ND (0.4)	ND (0.8)	ND (8)	NA	ND (0.4)	ND (8)	ND (0.04)	NA
Acetone	ppm_v	2.34	4.0	ND (0.04)	ND (8)	2.0	2.9	ND (8)	NA	0.8	9.20	0.13	NA
1,2 Dibromoethane (EDB)	ppm_v	ND (0.4)	ND (0.4)	ND (0.04)	ND (8)	ND (0.4)	ND (0.8)	ND (8)	NA	ND (0.4)	ND (8)	ND (0.04)	NA
1,2-Dichlorethane (EDC)	ppm_v	ND (0.4)	ND (0.4)	ND (0.04)	ND (8)	ND (0.4)	ND (0.8)	ND (8)	NA	ND (0.4)	ND (8)	ND (0.04)	NA
Other organic compounds	ppm_v	0.47	5.42	ND (0.04)	519.00	2.63	329.00	ND (8)	NA	142.0	ND (8)	15.695	NA
Heptane	ppm_v	9.4	3.2	0.53	88.0	11	11	55.0	NA	2.6	250.0	2.4	NA
Total Lab VOC (no C8-C12 GRO) [c]	ppm_v	53.89	21.2	3.8	1,064.0	68.5	437.3	338	NA	190.5	1,231	37.5	NA
Total Lab VOC [c] (with C5-C12 GRO)	ppm_v	391	142	22	3,779	490	954	2,761	NA	386	8,326	166	NA
Destruction Removal Efficiency (DRE)[d]	%		63.6	94.4		87.0	74.7		NA	86.0		98.0	NA

Operational Field VOC DRE Results [e]													
Location	Conc. Units	ST106 Unit 249 (4/2012)	ST106 Unit 249 (5/2012)	ST106 Unit 249 (6/2012)	KAFB-106149 Unit 335 (4/2012)	KAFB-106149 Unit 335 (5/2012)	KAFB-106149 Unit 335 (6/2012)	KAFB-106160 Unit 345 (4/2012)	KAFB-106160 Unit 345 (5/2012)	KAFB-106160 Unit 345 (6/2012)	KAFB-106161 Unit 344 (4/2012)	KAFB-106161 Unit 344 (5/2012)	KAFB-106161 Unit 344 (6/2012)
Influent Concentration	ppm_v	N/A	N/A	337	N/A	N/A	2,715	N/A	N/A	2,423	N/A	N/A	7,095
E1 Effluent Concentration	ppm_v	N/A	N/A	121	N/A	N/A	421	N/A	N/A	N/A	N/A	N/A	129
E2 Effluent Concentration	ppm_v	N/A	N/A	18	N/A	N/A	517	N/A	N/A	196	N/A	N/A	N/A
DRE[d]-E1	%	N/A	N/A	64	N/A	N/A	84	N/A	N/A	N/A	N/A	N/A	98
DRE[d]-E2	%	N/A	N/A	95	N/A	N/A	81	N/A	N/A	92	N/A	N/A	N/A

Notes:

a. ND - Not-detected. The compound was analyzed for but not detected, number indicates the detection limit.

b. NA - Not available. Engine 1 from SVE Unit 345 and Engine 2 from SVE Unit 344 were not tested during 2nd Quarter of 2012

c. Gasoline Range Organics (GRO) including butane, pentane, hexane, heptane, and other higher carbon compounds for other sampling periods.
A 0.25 factor of the detection limits was used for the non-detect C9-C12 aromatic and aliphatic hydrocarbon compounds.
Data are specified the same as in note b with the exception that the GRO data for ST106 Unit in June 2012 were extrapolated from the average concentrations of extraction wells (SVEW-01 and 05).

d. DRE - Destruction removal efficiency

e. Data are based on Horiba field measurements on site for inlet and post catalytic converters E1 and E2.

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Table 2-4
Summary of Vapor Operating Data Collected from
SVE Unit 249
January 2011 - June 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								
Apr 2012 - Jun 2012	2,010	54	6,226	1,004	11,275	6,920	F	2,562.1	2.6
Total or *Average* 4/2012 - 6/2012	**2,010**	**54**	**6,226**	**1,004**	**11,275**			**2,562**	**2.55**
Total 7/2003 - 3/2012			**1,382,351**	**222,960**					
Cumulative Total			**1,388,577**	**223,964**					
Calculated Quarterly Biodegradation 4/2012 - 6/2012				**1,191.60**					

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

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Table 2-5
Summary of Vapor Operating Data Collected from
SVE Unit 335
January 2011 - June 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								
Apr 2012 - Jun 2012	3,107	68	39,988	6,450	10,167	11,650	F	1,495	0.232
Total or *Average* 4/2012 - 6/2012	**3107**	**68**	**39988**	**6450**	**10167**			**1495**	**0.232**
Total 10/2008 - 3/2012			**529,314**	**85,373**					
Cumulative Total			**569,302**	**91,823**					
Calculated Quarterly Biodegradation 4/2012 - 6/2012				**2,231**					

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

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Table 2-6
Summary of Vapor Operating Data Collected from
SVE Unit 345
January 2011 - June 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								
Apr 2012 - Jun 2012 [(g)]	1,482	57	15192	2450	9278	4190	F	865	0.35
Total or *Average* 4/2012 - 6/2012	**1,482**	**57**	**15,192**	**2,450**	**9,278**			**865**	**0.35**
Total 3/2009 - 3/2012			**396,044**	**63,878**					
Cumulative Total			**411,236**	**66,328**					
Calculated Quarterly Biodegradation 4/2012 - 6/2012				**576.40**					

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.

g. Engine E1 was not in operation for this period

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

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Table 2-7
Summary of Vapor Operating Data Collected from SVE Unit 344
January 2011 - June 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								
Apr 2012 - Jun 2012 [(g)]	1,369	75	6,955	1,122	9,793	13,290	F	632	0.56
Total or *Average* 4/2012 - 6/2012	**1,369**	**75**	**6,955**	**1,122**	**9,793**			**632**	**0.56**
Total 3/2009 - 3/2012			**353,552**	**57,024**					
Cumulative Total			**360,507**	**58,146**					
Calculated Quarterly Biodegradation 4/2012 - 6/2012				**990.20**					

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.
g. Engine E2 was shut down for a majority of this period

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

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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

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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	4/01/11	Poorly graded SAND (SP)
KAFB-106059	10659-GEO2	304 - 306	4/03/11	Well Graded SAND/Well Graded GRAVEL (SW/GW)
KAFB-106080	10680-GEO2	427 - 428	4/05/11	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

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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

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SVM Well Construction Details
January - September 2011

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

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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 Survey Data
January 2011 - June 2012

Well ID	Well Type	Survey Date	Easting[a]	Northing[a]	Elevation[b]
2nd Quarter 2012[c]					
KAFB-0510	GWMW	5/14/2012	1545111.00	1472790.42	5370.0
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

Table 3-6
Well Survey Data
January 2011 - June 2012

Well ID	Well Type	Survey Date	Easting[a]	Northing[a]	Elevation[b]
KAFB-106122	SVMW	8/8/2011	1542096.08	1472866.99	5343.9
KAFB-106124	SVMW	8/8/2011	1542370.28	1472802.90	5345.8
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

Table 3-6
Well Survey Data
January 2011 - June 2012

Well ID	Well Type	Survey Date	Easting[a]	Northing[a]	Elevation[b]
KAFB-106093	GWMW	6/14/2011	1543042.38	1476828.18	5314.5
KAFB-106097	GWMW	5/23/2011	1541706.30	1474734.32	5347.9
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

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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
DP054	6/27/2011	1541315.11	1473519.86	0 - 20

Table 3-7
FFOR Sample Collection Summary

Borehole ID	Completion Date	X	Y	Depth (ft bgs)
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	4/12/2012	1541418.72	1473470.27	0 - 20
DP106	7/14/2011	1541428.90	1473460.21	0 - 20
DP107	4/12/2012	1541423.88	1473460.21	0 - 20
DP108	4/12/2012	1541418.89	1473460.05	0 - 20

Table 3-7
FFOR Sample Collection Summary

Borehole ID	Completion Date	X	Y	Depth (ft bgs)
DP109	7/14/2011	1541429.02	1473450.25	0 - 20
DP110	7/14/2011	1541424.05	1473450.16	0 - 20
DP111	4/12/2012	1541418.96	1473450.14	0 - 20
DP112	7/18/2011	1541429.13	1473440.24	0 - 20
DP113	7/18/2011	1541424.17	1473440.18	0 - 20
DP114	4/12/2012	1541419.11	1473440.18	0 - 20
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
DP132	4/9/2012	1541434.56	1473404.89	0 - 20
DP133	4/9/2012	1541434.42	1473398.12	0 - 20
DP134	4/9/2012	1541434.02	1473391.38	0 - 20
DP135	4/9/2012	1541434.51	1473383.79	0 - 20
DP136	4/9/2012	1541434.44	1473376.78	0 - 20
DP137	4/10/2012	1541444.48	1473418.99	0 - 20
DP138	4/10/2012	1541444.57	1473367.07	0 - 20
DP139	4/11/2012	1541454.37	1473418.58	0 - 20
DP140	4/10/2012	1541454.52	1473366.89	0 - 20
DP141	4/11/2012	1541464.47	1473415.66	0 - 20
DP142	4/10/2012	1541464.70	1473366.78	0 - 20
DP143	4/11/2012	1541474.21	1473415.70	0 - 20
DP144	4/10/2012	1541474.42	1473367.04	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

Table 3-7
FFOR Sample Collection Summary

Borehole ID	Completion Date	X	Y	Depth (ft bgs)
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
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

Table 3-7
FFOR Sample Collection Summary

Borehole ID	Completion Date	X	Y	Depth (ft bgs)
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
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

Table 3-7
FFOR Sample Collection Summary

Borehole ID	Completion Date	X	Y	Depth (ft bgs)
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
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
DP320	4/2/2012	1541194.97	1473509.62	0 - 1
DP321*	4/2/2012	1541215.04	1473509.69	15 - 16
DP322*	4/2/2012	1541225.00	1473528.75	19 - 20
DP323*	4/2/2012	1541225.09	1473509.75	0 - 1
DP324*	4/2/2012	1541235.03	1473509.67	19 - 20
DP325*	4/2/2012	1541335.12	1473509.90	10 - 11
DP326*	4/2/2012	1541355.05	1473510.00	19 - 20
DP327*	4/5/2012	1541360.07	1473515.03	10 – 11, 19 - 20
DP328*	4/5/2012	1541360.12	1473524.91	10 – 11, 19 - 20
DP329*	4/5/2012	1541375.03	1473509.92	5 - 6
DP330*	4/5/2012	1541384.86	1473533.01	15 - 16
DP331*	4/5/2012	1541395.06	1473510.07	19 - 20
DP332*	4/5/2012	1541405.06	1473510.06	15 – 16, 19 - 20
DP333*	4/5/2012	1541413.46	1473500.20	19 - 20
DP334*	4/5/2012	1541434.40	1473410.30	0 - 1

* Represents a step-out location. See Table 3-8 for specific analytes and depths.

Table 3-8
FFOR Step-Out Sampling Locations (April 2012)
Locations with Concentrations Exceeding NMED Residential Soil Screening Levels

Location	X	Y	Depth	Units	1,2,3-Trichloro propane	Benzo(A) Anthracene	Benzo(A) Pyrene	Benzo(B) Fluoranthene	Dibenzo(A,H) Anthracene	Ethylbenzene	Indeno(1,2,3-Cd) Pyrene	Naphthalene
DP-016	1,541,195.0	1,473,519.6	0	mg/kg			4.45		0.68			
DP-017	1,541,195.0	1,473,514.6	0	mg/kg			0.85					
DP-019	1,541,205.0	1,473,519.6	0	mg/kg			0.89					
DP-022	1,541,215.1	1,473,519.7	0	mg/kg			1.19					
DP-023	1,541,215.0	1,473,514.7	15	mg/kg								56
DP-024	1,541,225.0	1,473,523.7	20	mg/kg								52
DP-025	1,541,225.0	1,473,519.7	20	mg/kg								50
DP-025	1,541,225.0	1,473,519.7	5	mg/kg								45
DP-026	1,541,225.1	1,473,514.8	0	mg/kg			0.69					
DP-028	1,541,235.0	1,473,519.8	20	mg/kg								49
DP-029	1,541,235.0	1,473,514.7	20	mg/kg								45
DP-037	1,541,265.1	1,473,519.9	0	mg/kg			3.44					
DP-061	1,541,335.1	1,473,514.9	10	mg/kg			1.37					
DP-067	1,541,355.0	1,473,519.9	20	mg/kg						94		
DP-068	1,541,355.1	1,473,515.0	20	mg/kg						194		
DP-069	1,541,360.1	1,473,520.0	10	mg/kg		9.78	3.11	7.63				
DP-069	1,541,360.1	1,473,520.0	20	mg/kg	1.90							
DP-075	1,541,375.0	1,473,514.9	5	mg/kg			2.07		0.84			
DP-076	1,541,385.1	1,473,525.0	15	mg/kg								60
DP-081	1,541,395.0	1,473,515.1	20	mg/kg						81		91
DP-084	1,541,405.1	1,473,515.0	15	mg/kg								50
DP-084	1,541,405.1	1,473,515.0	20	mg/kg								65
DP-096	1,541,418.5	1,473,500.2	20	mg/kg								50
DP-116	1,541,424.2	1,473,429.2	10	mg/kg			1.34					
DP-121	1,541,429.3	1,473,410.2	0	mg/kg			0.90					
DP-177	1,541,505.0	1,473,151.1	5	mg/kg		9.00	9.04	9.85	0.77		6.71	

Compound	SSL Conc. (mg/kg)
1,2,3-Trichloropropane	0.9
Benzo(A)Anthracene	6.2
Benzo(A)Pyrene	0.6
Benzo(B)Fluoranthene	6.2
Dibenzo(A,H)Anthracene	0.6
Ethylbenzene	69.7
Indeno(1,2,3-Cd)Pyrene	6.2
Naphthalene	45.0

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Table 3-9
PneuLog® Test Results
April 2012

	KAFB-106148		
Statistic	**Permeability**	**Equivalent Hydraulic Conductivity**	
	Darcies	cm/sec	ft/d
Geomean	2.880	0.0029	8.3
Min	0.090	0.0001	0.3
Max	69.000	0.0704	199.5
Median	3.800	0.0039	11.0

	KAFB-106149		
Statistic	**Permeability**	**Equivalent Hydraulic Conductivity**	
	Darcies	cm/sec	ft/d
Geomean	2.434	0.0025	7.0
Min	0.070	0.0001	0.2
Max	120.000	0.1224	347.0
Median	3.300	0.0034	9.5

	KAFB-106150		
Statistic	**Permeability**	**Equivalent Hydraulic Conductivity**	
	Darcies	cm/sec	ft/d
Geomean	2.228	0.0023	6.4
Min	0.080	0.0001	0.2
Max	49.000	0.0500	141.7
Median	2.950	0.0030	8.5

cm/sec - centimeters per second
ft/d - feet per day
Geomean - geometric mean

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Table 3-10
Installation of Bennett Pump Sampling Systems
January 2011 – April 2012

Monitoring Well	New Bennett Pump Sampling System Installed
Quarter 02 Report 2012	
KAFB-106094	April 17, 2012
KAFB-106095	April 17, 2012
KAFB-106096	April 17, 2012
KAFB-106105	April 20, 2012
KAFB-106106	April 20, 2012
KAFB-106107	April 20, 2012
KAFB-106029	April 26, 2012
KAFB-106030	April 26, 2012
KAFB-106031	April 26, 2012
KAFB-106055	April 27, 2012
KAFB-106057	April 27, 2012
KAFB-106058	April 27, 2012
Quarter 04 Report 2011	
KAFB-106035	October 24, 2011
KAFB-106036	October 24, 2011
KAFB-106037	October 24, 2011
KAFB-106091	October 25, 2011
KAFB-106092	October 25, 2011
KAFB-106093	October 25, 2011
KAFB-106085	October 26, 2011
KAFB-106086	October 26, 2011
KAFB-106087	October 26, 2011
KAFB-106038	October 28, 2011
KAFB-106039	October 28, 2011
KAFB-106040	October 28, 2011
KAFB-106103	December 20, 2011
KAFB-106104	December 20, 2011
KAFB-106088	December 21, 2011
KAFB-106089	December 21, 2011
KAFB-106090	December 21, 2011
KAFB-106052	December 22, 2011
KAFB-106053	December 22, 2011
KAFB-106054	December 22, 2011
Quarter 03 Report 2011	
KAFB-106076	July 25, 2011
KAFB-106083	July 25, 2011
KAFB-106084	July 25, 2011
KAFB-106082	July 26, 2011
KAFB-106042	August 17, 2011
KAFB-106067	August 17, 2011
KAFB-106069	August 17, 2011
KAFB-106068	August 18, 2011
KAFB-106099	August 18, 2011
KAFB-106100	August 18, 2011
KAFB-106073	August 19, 2011
KAFB-106074	August 19, 2011
KAFB-106075	August 19, 2011
KAFB-106049	August 22, 2011
KAFB-106050	August 22, 2011

Table 3-10
Installation of Bennett Pump Sampling Systems
January 2011 – April 2012

Monitoring Well	New Bennett Pump Sampling System Installed
Quarter 03 Report 2011 (continued)	
KAFB-106051	August 22, 2011
KAFB-106070	August 23, 2011
KAFB-106071	August 23, 2011
KAFB-106072	August 23, 2011
KAFB-106097	August 24, 2011
KAFB-106098	August 24, 2011
KAFB-106043	August 29, 2011
KAFB-106065	August 29, 2011
KAFB-106066	August 29, 2011
Quarter 02 Report 2011	
KAFB-10621	April 20, 2011
KAFB-10628	April 20, 2011
KAFB-10625	April 21, 2011
KAFB-10626	April 21, 2011
KAFB-106044	April 28, 2011
KAFB-106045	April 28, 2011
KAFB-10610	May 24, 2011
KAFB-10622	May 24, 2011
KAFB-10623	May 24, 2011
KAFB-10624	May 25, 2011
KAFB-106077	June 23, 2011
KAFB-106078	June 23, 2011
KAFB-106101	June 24, 2011
KAFB-106102	June 24, 2011
KAFB-106059	June 27, 2011
KAFB-106060	June 27, 2011
KAFB-106061	June 27, 2011
Quarter 01 Report 2011	
KAFB-1061	January 18, 2011
KAFB-1062	January 22, 2011
KAFB-1063	January 22, 2011
KAFB-1064	January 22, 2011
KAFB-1067	January 21, 2011
KAFB-10611	January 20, 2011
KAFB-10612	January 21, 2011
KAFB-10615	January 21, 2011
KAFB-10616	January 19, 2011
KAFB-3411	January 19, 2011

Table 3-11
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

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Table 3-12
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

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Table 3-13
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

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Table 3-14
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

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Table 3-15
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	-	-	-	-	20%
SVEW-09	183	x	-	-	x	x	60%
KAFB-106119-450	203	-	x	x	-	x	60%

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

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Table 3-16
SVE Monitoring Well Network

Monitoring Well ID	Distance (ft) from extraction well					Minimum distance to an extraction well (ft)
	KAFB 106149	KAFB 106160	KAFB 106161	SVEW 01	SVEW 05	
KAFB 106148-484	280	132	426	126	96	96
KAFB 106148-349	280	138	428	84	136	84
KAFB 106148-194	322	236	469	98	269	98
KAFB 106149-349	5	251	153	364	387	5
KAFB 106149-194	205	316	245	368	451	205
KAFB 106150-484	182	68	261	397	394	68
KAFB 106150-350	182	79	264	385	405	79
KAFB 106150-200	238	202	323	388	464	202
KAFB 106151-484	375	205	466	349	343	205
KAFB 106151-350	375	209	468	336	356	209
KAFB 106151-200	405	280	503	339	422	280
KAFB 106152-484	356	406	339	568	570	339
KAFB 106152-350	356	408	341	560	578	341
KAFB 106152-194	390	451	392	562	623	390
KAFB 106153-484	429	631	308	763	768	308
KAFB 106153-350	429	632	311	757	774	311
KAFB 106153-200	456	659	362	758	806	362
KAFB 106154-484	176	275	181	456	458	176
KAFB 106154-350	176	278	185	446	468	176
KAFB 106154-197	236	336	265	449	521	236
KAFB 106155-484	413	570	271	783	788	271
KAFB 106155-350	413	571	274	777	794	274
KAFB 106155-200	441	601	331	778	825	331
KAFB 106156-484	464	404	599	272	255	255
KAFB 106156-341	464	406	601	258	275	258
KAFB 106156-178	496	456	635	267	369	267

ft - foot/feet

ID - identification

KAFB - Kirtland Air Force Base

SVE - Soil Vapor Extraction

SVEW - Soil Vapor Extraction Well

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Table 3-17
Summary of Data for SVE Monitoring

	Well ID	Monitoring Round 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	Proportion of Monitoring Rounds/Days with a Greater than Average Difference in Pressures
484 ft bgs wells	KAFB 106148-484	x	x	x	x	x	-	-	x	-	-	x	x	x	x	x	x	x	x	x	-	-	71%
	KAFB 106150-484	-	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	95%
	KAFB 106151-484	x	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5%
	KAFB 106152-484	x	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5%
	KAFB 106153-484	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	x	5%
	KAFB 106154-484	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	100%
	KAFB 106155-484	-	-	-	-	-	-	-	-	x	-	-	-	-	-	-	-	-	-	-	-	x	10%
	KAFB 106156-484	x	x	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10%
350 ft bgs wells	KAFB 106148-349	x	x	x	x	x	-	-	x	-	-	x	x	x	x	x	x	x	x	x	-	-	71%
	KAFB 106149-349	x	x	x	x	x	x	x	x	-	-	x	-	x	x	x	x	x	x	x	-	-	76%
	KAFB 106150-350	-	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	95%
	KAFB 106151-350	x	-	-	-	-	-	-	-	x	x	-	x	-	-	-	-	-	-	-	x	-	24%
	KAFB 106152-350	-	-	-	-	-	-	-	-	x	x	-	-	-	-	-	-	x	-	x	x	x	29%
	KAFB 106153-350	-	-	-	-	-	-	-	x	-	-	-	-	-	-	-	-	-	-	-	x	x	14%
	KAFB 106154-350	-	-	x	-	x	x	-	x	-	x	x	x	x	x	x	-	x	x	-	x	x	67%
	KAFB 106155-351	-	-	-	-	-	-	x	-	x	x	-	x	-	x	x	x	-	-	-	x	x	43%
	KAFB 106156-341	x	x	-	x	-	-	x	-	-	-	-	x	-	-	-	x	x	-	-	-	-	33%
200 ft bgs wells	KAFB 106148-194	x	x	x	x	x	x	x	-	x	x	-	x	-	x	-	x	x	x	x	x	x	81%
	KAFB 106149-194	x	x	x	x	-	-	x	x	-	-	x	-	x	x	x	-	-	x	-	-	-	52%
	KAFB 106150-200	-	-	x	-	-	-	-	x	-	-	x	-	x	-	x	-	-	-	-	-	-	24%
	KAFB 106151-200	x	x	x	x	x	-	x	-	x	x	x	x	-	-	-	-	x	-	x	x	x	67%
	KAFB 106152-194	x	-	-	-	-	-	-	-	-	x	-	-	-	-	-	-	-	-	-	-	-	10%
	KAFB 106153-200	-	-	-	-	-	-	-	x	x	-	-	x	-	x	-	-	-	x	-	x	x	33%
	KAFB 106154-197	-	-	-	-	x	x	-	x	-	-	x	-	x	-	x	-	-	x	-	-	-	33%
	KAFB 106155-200	-	-	-	-	x	x	x	-	x	x	-	x	-	x	x	x	-	x	-	x	x	57%
	KAFB 106156-178	x	x	x	x	-	-	-	-	-	-	x	-	x	-	-	-	x	-	x	-	-	38%
200 ft bgs wells without outliers	KAFB 106148-194	x	x	x	x	x	x	x	-	x	x	-	x	-	x	-	x	x	x	x	x	x	81%
	KAFB 106149-194	x	x	x	x	x	x	x	x	-	-	x	-	x	x	x	x	x	x	-	-	-	71%
	KAFB 106150-200	-	-	x	x	-	-	-	x	-	-	x	-	x	-	x	-	-	-	x	-	-	33%
	KAFB 106151-200	x	x	x	x	x	-	x	-	x	x	x	x	-	x	-	-	x	-	x	x	x	71%
	KAFB 106152-194	x	-	x	-	-	-	-	-	-	x	-	-	-	-	-	-	x	-	x	-	-	24%
	KAFB 106153-200	-	-	-	-	x	x	x	x	x	-	-	x	-	x	-	x	x	x	-	x	x	57%
	KAFB 106154-197	-	-	x	-	x	x	-	x	-	-	x	-	x	-	x	-	x	x	x	-	-	48%
	KAFB 106155-200	-	x	-	-	x	x	x	-	x	x	-	x	-	x	x	x	x	x	-	x	x	67%
	KAFB 106156-178	x	x	x	x	-	-	-	-	-	-	x	-	x	-	-	-	x	-	x	-	-	38%

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

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Table 4-1
Field Measurements for Soil-Vapor Monitoring Wells, April - June 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	5/17/2012	VA1316	REG	0.00	0.00	0.70	20.61	0	NA	NA	6.0	1.0
SVMW-01-100	5/17/2012	VA1317	REG	0.00	0.00	1.04	20.04	598	NA	NA	6.0	1.0
SVMW-01-250	5/17/2012	VA1318	REG	0.28	0.00	0.08	21.15	8	NA	NA	8.0	1.0
SVMW-01-300	5/17/2012	VA1319	REG	0.14	0.00	0.08	21.02	35	NA	NA	9.0	1.0
SVMW-02-050	6/4/2012	VA1320	REG	-0.04	0.00	0.58	20.26	5	NA	NA	6.0	1.0
SVMW-02-100	6/4/2012	VA1321	REG	-0.14	0.00	10.52	7.13	10314	14480	10314	6.0	1.0
SVMW-02-150	6/4/2012	VA1322	REG	-1.00	0.00	1.50	17.22	1604	NA	NA	6.0	1.0
SVMW-03-050	5/17/2012	VA1323	REG	0.00	0.00	11.32	3.96	17	NA	NA	6.0	1.0
SVMW-03-100	5/17/2012	VA1324	REG	0.00	0.00	14.36	0.71	7560	10960	7560	6.0	1.0
SVMW-03-250	5/17/2012	VA1325	REG	0.00	0.00	4.92	11.15	6580	NA	NA	8.0	1.0
SVMW-03-300	5/17/2012	VA1327	REG	0.00	0.00	9.56	5.86	9378	13110	9378	9.0	1.0
SVMW-04-050	5/29/2012	VA1328	REG	-0.32	0.00	10.12	6.57	1011	NA	NA	6.0	1.0
SVMW-04-100	5/29/2012	VA1329	REG	-0.40	0.00	11.20	5.58	11331	15620	11331	6.0	1.0
SVMW-04-250	5/29/2012	VA1330	REG	-1.40	0.00	1.16	18.69	5680	NA	NA	8.0	1.0
SVMW-04-300	5/29/2012	VA1331	REG	-1.80	0.00	0.90	18.49	186	NA	NA	10.0	1.0
SVMW-05-050	5/30/2012	VA1332	REG	0.12	0.00	5.52	14.08	139	NA	NA	6.0	1.0
SVMW-05-100	5/30/2012	VA1333	REG	0.22	0.00	7.98	10.83	263	NA	NA	6.0	1.0
SVMW-05-230	5/30/2012	VA1335	REG	-0.22	0.00	0.74	19.86	62	NA	NA	8.0	1.0
SVMW-05-290	5/30/2012	VA1336	REG	-0.45	0.00	0.98	18.99	148	NA	NA	8.0	1.0
SVMW-06-050	6/5/2012	VA1337	REG	0.22	0.00	2.84	17.44	11	NA	NA	6.0	1.0
SVMW-06-100	6/5/2012	VA1338	REG	0.34	0.00	4.18	14.01	9	NA	NA	6.0	1.0
SVMW-06-250	6/5/2012	VA1339	REG	0.18	0.00	1.96	13.45	6520	NA	NA	8.0	1.0
SVMW-06-302	6/6/2012	VA1340	REG	-0.56	0.00	1.20	16.15	2960	NA	NA	10.0	1.0
SVMW-07-050	6/5/2012	VA1341	REG	-1.00	0.00	0.70	18.45	19	NA	NA	6.0	1.0
SVMW-07-100	6/5/2012	VA1342	REG	0.00	0.00	5.34	14.34	1102	NA	NA	6.0	1.0
SVMW-07-150	6/5/2012	VA1344	REG	0.00	0.00	5.50	13.82	10	NA	NA	6.0	1.0
SVMW-08-050	5/15/2012	VA1345	REG	-0.84	0.00	10.62	5.81	9820	NA	NA	6.0	1.5
SVMW-08-100	5/15/2012	VA1346	REG	-0.98	0.00	10.10	6.70	29	NA	NA	6.0	1.5
SVMW-08-250	5/15/2012	VA1347	REG	-1.12	0.00	0.56	19.21	1250	NA	NA	9.0	1.5
*SVMW-08-266	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SVMW-09-050	6/12/2012	VA1349	REG	-0.28	0.00	13.10	2.39	2050	NA	NA	6.0	1.0
SVMW-09-100	6/12/2012	VA1350	REG	-0.47	0.00	14.24	1.66	17343	25140	17343	6.0	1.0
SVMW-09-250	6/12/2012	VA1351	REG	-2.10	0.00	1.78	16.84	4530	NA	NA	8.0	1.0
SVMW-09-266	6/12/2012	VA1352	REG	-2.30	0.00	2.76	14.32	13041	16770	13041	8.0	1.0
SVMW-10-050	6/13/2012	VA1353	REG	-0.14	0.00	0.78	20.13	1808	NA	NA	5.0	1.0
SVMW-10-100	6/13/2012	VA1354	REG	-0.26	0.00	0.96	19.86	2760	NA	NA	6.0	1.0
SVMW-10-150	6/13/2012	VA1355	REG	-1.10	0.00	0.52	20.36	1814	NA	NA	7.0	1.0
SVMW-10-250	6/13/2012	VA1357	REG	-1.40	0.00	0.18	20.63	851	NA	NA	8.0	1.0
SVMW-11-050	5/30/2012	VA1358	REG	-0.12	0.00	14.48	0.80	8370	12110	8370	6.0	1.0
SVMW-11-100	5/30/2012	VA1359	REG	-0.22	0.00	14.04	1.13	29070	32760	29070	6.0	1.0

Table 4-1
Field Measurements for Soil-Vapor Monitoring Wells, April - June 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-11-250	5/30/2012	VA1360	REG	-1.00	0.00	7.58	8.15	19350	27460	19350	8.0	1.0
SVMW-11-260	5/30/2012	VA1361	REG	-1.00	0.00	2.08	17.25	9054	10940	9054	8.0	1.0
SVMW-12-150	6/14/2012	VA1362	REG	-0.42	0.00	0.00	20.87	2	NA	NA	7.0	1.0
SVMW-12-250	6/14/2012	VA1363	REG	-0.52	0.00	0.02	20.62	6	NA	NA	8.0	1.0
SVMW-12-350	6/14/2012	VA1364	REG	-0.44	0.00	0.06	20.86	5	NA	NA	9.0	1.0
SVMW-12-450	6/14/2012	VA1365	REG	-0.46	0.00	0.02	21.89	12	NA	NA	10.0	1.0
SVMW-13-150	6/21/2012	VA1366	REG	-3.00	0.00	0.12	20.40	106	NA	NA	6.0	1.0
SVMW-13-250	6/21/2012	VA1367	REG	-2.10	0.00	0.06	20.88	0	NA	NA	8.0	1.0
SVMW-13-350	6/21/2012	VA1369	REG	-2.50	0.00	0.12	20.89	1	NA	NA	9.0	1.0
SVMW-13-450	6/21/2012	VA1370	REG	-2.90	0.00	0.02	20.83	22	NA	NA	11.0	1.0
SVMW-14-150	6/21/2012	VA1371	REG	-2.10	0.00	0.02	20.67	0	NA	NA	7.0	1.0
SVMW-14-250	6/21/2012	VA1372	REG	-2.00	0.00	0.00	20.83	1	NA	NA	8.0	1.0
SVMW-14-350	6/21/2012	VA1373	REG	-2.30	0.00	0.00	20.94	4	NA	NA	9.0	1.0
SVMW-14-450	6/21/2012	VA1374	REG	-2.10	0.00	0.14	20.04	14	NA	NA	11.0	1.0
SVMW-15-150	6/6/2012	VA1375	REG	-0.32	0.00	0.50	17.55	10	NA	NA	6.0	1.0
SVMW-15-250	6/6/2012	VA1376	REG	-0.34	0.00	0.76	16.88	147	NA	NA	8.0	1.0
SVMW-15-350	6/6/2012	VA1377	REG	-0.60	0.00	0.98	15.26	6680	NA	NA	10.0	1.0
SVMW-15-450	6/6/2012	VA1379	REG	-0.62	0.00	1.64	16.25	7434	13640	7434	10.0	1.0
KAFB-106028-150	5/22/2012	VA1380	REG	-0.64	0.00	0.16	19.72	11	NA	NA	12.0	1.0
KAFB-106028-250	5/22/2012	VA1381	REG	-0.74	0.00	0.20	20.55	13	NA	NA	12.0	1.0
KAFB-106028-350	5/22/2012	VA1382	REG	-0.92	0.00	0.40	19.63	108	NA	NA	15.0	1.0
KAFB-106028-450	5/22/2012	VA1383	REG	-0.96	0.00	0.82	19.04	733	NA	NA	18.0	1.5
SVEW-01-260	6/13/2012	VA1384	REG	-1.80	0.00	5.26	12.54	15840	19400	15840	NA	NA
SVEW-02-060	6/13/2012	VA1385	REG	-0.15	0.00	14.50	0.71	13437	19280	13437	NA	NA
SVEW-03-160	6/13/2012	VA1386	REG	-1.00	0.00	12.28	3.08	13815	18060	13815	NA	NA
SVEW-04-313	6/13/2012	VA1388	REG	-1.20	0.00	1.68	18.19	5730	NA	NA	NA	NA
SVEW-05-460	6/13/2012	VA1389	REG	-1.20	0.00	1.80	18.26	1435	NA	NA	NA	NA
SVEW-06-060	6/13/2012	VA1390	REG	0.00	0.00	7.78	7.67	2300	NA	NA	NA	NA
SVEW-07-160	6/13/2012	VA1391	REG	-0.85	0.00	1.12	18.52	3640	NA	NA	NA	NA
SVEW-08-260	6/13/2012	VA1392	REG	-1.00	0.00	2.30	15.40	1647	NA	NA	NA	NA
SVEW-09-460	6/13/2012	VA1393	REG	-1.00	0.00	2.22	15.42	1644	NA	NA	NA	NA
SVEW-11-410	6/21/2012	VA1395	REG	-1.12	0.00	0.06	20.60	16	NA	NA	132.0	12.0
SVEW-13-410	6/6/2012	VA1397	REG	NR	0.00	1.00	16.44	3550	NA	NA	108.0	12.0
KAFB-106108-025	5/15/2012	VA1398	REG	0.00	0.00	0.68	19.87	2	NA	NA	18.0	1.5
KAFB-106108-050	5/15/2012	VA1399	REG	0.10	0.00	3.54	16.91	1	NA	NA	18.0	1.5
KAFB-106108-150	5/16/2012	VA1401	REG	-1.00	0.00	3.64	16.09	91	NA	NA	22.5	1.5
KAFB-106108-250	5/16/2012	VA1402	REG	-1.50	0.00	0.52	19.38	219	NA	NA	27.0	1.5
KAFB-106108-350	5/16/2012	VA1403	REG	-2.80	0.00	0.32	19.46	763	NA	NA	27.0	1.5
KAFB-106108-450	5/16/2012	VA1404	REG	-1.50	0.00	0.22	20.10	184	NA	NA	240.0	12.0
KAFB-106109-025	5/15/2012	VA1405	REG	0.00	0.00	0.58	19.89	0	NA	NA	18.0	1.5

Table 4-1
Field Measurements for Soil-Vapor Monitoring Wells, April - June 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-106109-050	5/15/2012	VA1406	REG	0.00	0.00	0.96	18.99	3	NA	NA	18.0	1.5
KAFB-106109-150	5/15/2012	VA1407	REG	-1.60	0.00	0.18	19.90	3	NA	NA	22.5	1.5
KAFB-106109-250	5/15/2012	VA1408	REG	-1.90	0.00	0.46	19.51	9	NA	NA	27.0	1.5
KAFB-106109-350	5/15/2012	VA1409	REG	-2.00	0.00	0.24	19.89	118	NA	NA	27.0	1.5
KAFB-106109-450	5/15/2012	VA1411	REG	-2.00	0.00	1.74	13.10	129	NA	NA	240.0	12.0
KAFB-106110-025	5/15/2012	VA1412	REG	-0.10	0.00	0.62	19.70	0	NA	NA	18.0	1.5
KAFB-106110-050	5/15/2012	VA1413	REG	-0.10	0.00	0.90	19.64	6	NA	NA	18.0	1.5
KAFB-106110-150	5/15/2012	VA1414	REG	-2.00	0.00	1.14	18.19	77	NA	NA	21.0	1.5
KAFB-106110-250	5/15/2012	VA1415	REG	-2.00	0.00	0.44	19.45	9	NA	NA	24.0	1.5
KAFB-106110-350	5/15/2012	VA1416	REG	-0.50	0.00	0.22	20.03	124	NA	NA	28.5	1.5
KAFB-106110-450	5/15/2012	VA1417	REG	-3.00	0.00	0.48	18.03	1614	NA	NA	240.0	12.0
KAFB-106111-025	6/13/2012	VA1418	REG	0.02	0.00	0.04	20.66	22	NA	NA	18.0	1.5
KAFB-106111-050	6/13/2012	VA1419	REG	0.04	0.00	0.22	20.97	11	NA	NA	18.0	1.5
KAFB-106111-150	6/13/2012	VA1421	REG	-0.12	0.00	0.10	20.50	6	NA	NA	22.5	1.5
KAFB-106111-250	6/13/2012	VA1422	REG	-0.16	0.00	0.02	20.90	3	NA	NA	24.0	1.5
KAFB-106111-350	6/14/2012	VA1423	REG	-1.60	0.00	0.00	20.92	6	NA	NA	28.5	1.5
KAFB-106111-450	6/14/2012	VA1424	REG	-1.10	0.00	0.04	21.20	96	NA	NA	240.0	12.0
KAFB-106112-025	6/6/2012	VA1425	REG	0.00	0.00	0.48	18.18	14	NA	NA	18.0	1.5
KAFB-106112-050	6/6/2012	VA1426	REG	0.02	0.00	1.00	17.18	14	NA	NA	18.0	1.5
KAFB-106112-150	6/6/2012	VA1427	REG	0.06	0.00	0.94	16.13	26	NA	NA	22.5	1.5
KAFB-106112-250	6/7/2012	VA1428	REG	-1.00	0.00	1.50	16.43	138	NA	NA	27.0	1.5
KAFB-106112-350	6/7/2012	VA1429	REG	-1.00	0.00	1.32	15.27	7680	NA	NA	27.0	1.5
KAFB-106112-450	6/7/2012	VA1430	REG	-1.00	0.00	1.50	16.09	8200	NA	NA	240.0	12.0
KAFB-106113-020	6/4/2012	VA1431	REG	0.00	0.00	0.46	20.43	13	NA	NA	18.0	1.5
KAFB-106113-050	6/4/2012	VA1432	REG	0.00	0.00	0.46	18.90	9	NA	NA	18.0	1.5
KAFB-106113-150	6/4/2012	VA1433	REG	-0.84	0.00	0.40	18.30	7	NA	NA	22.5	1.5
KAFB-106113-250	6/4/2012	VA1434	REG	-1.00	0.00	0.88	18.57	4	NA	NA	27.0	1.5
KAFB-106113-350	6/4/2012	VA1436	REG	-1.00	0.00	0.58	18.20	1139	NA	NA	27.0	1.5
KAFB-106113-450	6/4/2012	VA1437	REG	-1.00	0.00	0.60	16.45	4500	NA	NA	240.0	12.0
KAFB-106114-025	5/30/2012	VA1438	REG	0.00	0.00	0.08	19.53	8	NA	NA	18.0	1.5
KAFB-106114-050	5/30/2012	VA1439	REG	0.00	0.00	0.12	20.50	3	NA	NA	18.0	1.5
KAFB-106114-150	5/30/2012	VA1440	REG	-0.62	0.00	0.06	21.40	6	NA	NA	22.5	1.5
KAFB-106114-250	5/30/2012	VA1441	REG	-0.70	0.00	0.12	21.62	1	NA	NA	24.0	1.5
KAFB-106114-350	5/30/2012	VA1442	REG	-1.40	0.00	0.02	21.57	23	NA	NA	28.5	1.5
KAFB-106114-450	5/30/2012	VA1443	REG	NR	0.00	0.06	20.14	1053	NA	NA	240.0	12.0
KAFB-106115-025	6/4/2012	VA1444	REG	-0.02	0.00	0.08	20.95	7	NA	NA	18.0	1.5
KAFB-106115-050	6/4/2012	VA1445	REG	-0.04	0.00	0.10	21.23	3	NA	NA	18.0	1.5
KAFB-106115-150	6/4/2012	VA1446	REG	-0.98	0.00	0.02	20.77	3	NA	NA	22.5	1.5
KAFB-106115-250	6/4/2012	VA1448	REG	-1.10	0.00	0.04	21.11	0	NA	NA	24.0	1.5
KAFB-106115-350	6/4/2012	VA1449	REG	-1.60	0.00	0.04	20.84	124	NA	NA	28.5	1.5

Table 4-1
Field Measurements for Soil-Vapor Monitoring Wells, April - June 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-106115-450	6/4/2012	VA1450	REG	1.60	0.00	0.24	20.85	560	NA	NA	240.0	12.0
KAFB-106116-025	5/29/2012	VA1451	REG	0.00	0.00	0.46	19.51	13	NA	NA	18.0	1.5
KAFB-106116-050	5/29/2012	VA1452	REG	-0.12	0.00	0.86	17.55	11	NA	NA	18.0	1.5
KAFB-106116-150	5/29/2012	VA1453	REG	-1.10	0.00	0.36	18.57	7	NA	NA	22.5	1.5
KAFB-106116-250	5/29/2012	VA1454	REG	-1.50	0.00	0.08	20.49	26	NA	NA	27.0	1.5
KAFB-106116-350	5/29/2012	VA1455	REG	-2.50	0.00	0.12	20.13	572	NA	NA	27.0	1.5
KAFB-106116-450	5/30/2012	VA1457	REG	-1.50	0.00	1.26	16.94	9135	12860	9135	240.0	12.0
KAFB-106117-025	5/29/2012	VA1458	REG	0.00	0.00	0.24	20.72	0	NA	NA	18.0	1.5
KAFB-106117-050	5/29/2012	VA1459	REG	-0.10	0.00	0.36	20.61	3	NA	NA	18.0	1.5
KAFB-106117-150	5/29/2012	VA1460	REG	-1.00	0.00	0.26	20.47	0	NA	NA	22.5	1.5
KAFB-106117-250	5/30/2012	VA1461	REG	-1.20	0.00	0.20	20.32	114	NA	NA	24.0	1.5
KAFB-106117-350	5/30/2012	VA1462	REG	-2.00	0.00	0.26	20.62	569	NA	NA	28.5	1.5
KAFB-106117-450	5/30/2012	VA1464	REG	-2.40	0.00	0.58	20.34	2990	NA	NA	240.0	12.0
KAFB-106118-025	6/4/2012	VA1465	REG	0.02	0.00	0.10	20.80	0	NA	NA	18.0	1.5
KAFB-106118-050	6/5/2012	VA1466	REG	0.00	0.00	1.24	19.38	8	NA	NA	18.0	1.5
KAFB-106118-160	6/5/2012	VA1467	REG	-0.65	0.00	1.18	16.27	36	NA	NA	22.5	1.5
KAFB-106118-265	6/5/2012	VA1468	REG	-0.85	0.00	0.40	19.21	109	NA	NA	27.0	1.5
KAFB-106118-350	6/5/2012	VA1469	REG	-1.16	0.00	0.14	20.86	23	NA	NA	27.0	1.5
KAFB-106118-450	6/5/2012	VA1470	REG	-1.10	0.00	0.00	21.02	5	NA	NA	240.0	12.0
KAFB-106119-025	6/6/2012	VA1471	REG	0.00	0.00	0.08	20.88	8	NA	NA	18.0	1.5
KAFB-106119-050	6/6/2012	VA1472	REG	0.12	0.00	0.50	20.16	1	NA	NA	18.0	1.5
KAFB-106119-150	6/6/2012	VA1474	REG	0.00	0.00	0.48	19.96	3	NA	NA	21.0	1.5
KAFB-106119-250	6/6/2012	VA1475	REG	0.10	0.00	0.16	20.43	23	NA	NA	24.0	1.5
KAFB-106119-350	6/6/2012	VA1476	REG	-0.40	0.00	0.06	21.05	139	NA	NA	27.0	1.5
KAFB-106119-450	6/13/2012	VA1477	REG	-1.80	0.00	0.18	20.60	190	NA	NA	240.0	12.0
KAFB-106120-025	6/11/2012	VA1478	REG	0.00	0.00	1.30	19.41	5	NA	NA	18.0	1.5
KAFB-106120-050	6/11/2012	VA1479	REG	0.00	0.00	2.32	17.14	5	NA	NA	18.0	1.5
KAFB-106120-150	6/11/2012	VA1480	REG	-1.60	0.00	0.40	19.35	2	NA	NA	22.5	1.5
KAFB-106120-250	6/11/2012	VA1481	REG	-1.80	0.00	0.34	20.66	3	NA	NA	27.0	1.5
KAFB-106120-350	6/11/2012	VA1482	REG	-2.10	0.00	0.34	18.64	370	NA	NA	27.0	1.5
KAFB-106120-450	6/11/2012	VA1483	REG	-2.10	0.00	0.38	17.80	3030	NA	NA	240.0	12.0
KAFB-106121-025	5/31/2012	VA1484	REG	-0.04	0.00	0.10	20.73	2	NA	NA	18.0	1.5
KAFB-106121-050	5/31/2012	VA1485	REG	-0.12	0.00	0.10	20.66	0	NA	NA	18.0	1.5
KAFB-106121-150	5/31/2012	VA1486	REG	-1.00	0.00	0.00	21.21	0	NA	NA	22.5	1.5
KAFB-106121-250	5/31/2012	VA1488	REG	-1.20	0.00	0.04	20.51	0	NA	NA	27.0	1.5
KAFB-106121-350	5/31/2012	VA1489	REG	-1.40	0.00	0.06	20.80	83	NA	NA	27.0	1.5
KAFB-106121-450	5/31/2012	VA1490	REG	-1.80	0.00	0.08	19.33	249	NA	NA	240.0	12.0
KAFB-106122-025	6/12/2012	VA1491	REG	0.00	0.00	1.36	18.75	23	NA	NA	18.0	1.5
KAFB-106122-050	6/12/2012	VA1492	REG	0.04	0.00	1.58	18.13	20	NA	NA	18.0	1.5
KAFB-106122-150	6/12/2012	VA1493	REG	-1.40	0.00	0.36	19.55	15	NA	NA	22.5	1.5

Table 4-1
Field Measurements for Soil-Vapor Monitoring Wells, April - June 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-106122-250	6/12/2012	VA1494	REG	-2.00	0.00	0.36	19.82	8	NA	NA	27.0	1.5
KAFB-106122-350	6/12/2012	VA1495	REG	-2.80	0.00	0.66	19.85	34	NA	NA	27.0	1.5
KAFB-106122-450	6/12/2012	VA1496	REG	-0.88	0.00	0.68	17.78	2900	NA	NA	240.0	12.0
KAFB-106123-025	5/16/2012	VA1497	REG	0.00	0.00	1.36	19.10	19	NA	NA	18.0	1.5
KAFB-106123-050	5/16/2012	VA1498	REG	0.00	0.00	1.26	19.08	3	NA	NA	18.0	1.5
KAFB-106123-150	5/16/2012	VA1500	REG	-1.00	0.00	0.28	19.39	2	NA	NA	22.5	1.5
KAFB-106123-250	5/16/2012	VA1501	REG	-1.00	0.00	0.38	19.46	2	NA	NA	27.0	1.5
KAFB-106123-350	5/16/2012	VA1502	REG	-1.40	0.00	0.36	19.15	3	NA	NA	27.0	1.5
KAFB-106123-450	5/16/2012	VA1503	REG	-1.20	0.00	0.86	18.97	220	NA	NA	264.0	12.0
KAFB-106124-025	5/31/2012	VA1504	REG	-0.14	0.00	1.22	19.12	10	NA	NA	18.0	1.5
KAFB-106124-050	5/31/2012	VA1505	REG	-0.23	0.00	1.42	18.98	10	NA	NA	18.0	1.5
KAFB-106124-150	5/31/2012	VA1506	REG	-1.00	0.00	0.16	20.51	21	NA	NA	22.5	1.5
KAFB-106124-250	5/31/2012	VA1507	REG	-1.00	0.00	0.22	20.24	11	NA	NA	27.0	1.5
KAFB-106124-350	5/31/2012	VA1509	REG	-1.30	0.00	0.26	18.97	938	NA	NA	27.0	1.5
KAFB-106124-450	5/31/2012	VA1510	REG	-1.00	0.00	0.54	18.30	2680	NA	NA	288.0	12.0
KAFB-106125-025	5/14/2012	VA1511	REG	0.00	0.00	2.18	19.47	3	NA	NA	18.0	1.5
KAFB-106125-050	5/14/2012	VA1512	REG	0.00	0.00	3.66	16.55	4	NA	NA	18.0	1.5
KAFB-106125-150	5/14/2012	VA1513	REG	-1.40	0.00	0.50	18.13	5	NA	NA	22.5	1.5
KAFB-106125-250	5/14/2012	VA1514	REG	-2.40	0.00	0.14	18.86	1	NA	NA	27.0	1.5
KAFB-106125-350	5/14/2012	VA1515	REG	-2.40	0.00	0.26	19.83	1016	NA	NA	27.0	1.5
KAFB-106125-450	5/14/2012	VA1516	REG	-2.40	0.00	0.58	17.50	7140	NA	NA	240.0	12.0
KAFB-106126-025	5/14/2012	VA1517	REG	0.00	0.00	1.30	19.28	8	NA	NA	18.0	1.5
KAFB-106126-050	5/14/2012	VA1518	REG	0.00	0.00	1.28	18.55	8	NA	NA	18.0	1.5
KAFB-106126-150	5/14/2012	VA1519	REG	-1.40	0.00	0.26	18.55	4	NA	NA	22.5	1.5
KAFB-106126-250	5/14/2012	VA1520	REG	-1.40	0.00	0.16	19.69	2	NA	NA	27.0	1.5
KAFB-106126-350	5/15/2012	VA1521	REG	-2.80	0.00	0.10	20.29	82	NA	NA	34.0	1.5
KAFB-106126-450	5/15/2012	VA1523	REG	-1.80	0.00	0.24	20.61	621	NA	NA	240.0	12.0
KAFB-106127-025	5/14/2012	VA1524	REG	0.00	0.00	0.60	20.32	11	NA	NA	18.0	1.5
KAFB-106127-050	5/14/2012	VA1525	REG	-0.40	0.00	0.60	19.58	0	NA	NA	18.0	1.5
KAFB-106127-150	5/14/2012	VA1526	REG	-1.40	0.00	0.24	19.37	0	NA	NA	22.5	1.5
KAFB-106127-250	5/14/2012	VA1527	REG	1.70	0.00	0.12	19.95	1	NA	NA	24.0	1.5
KAFB-106127-350	5/14/2012	VA1528	REG	-2.20	0.00	0.22	19.81	575	NA	NA	30.0	1.5
KAFB-106127-450	5/15/2012	VA1529	REG	-2.40	0.00	0.30	15.91	1595	NA	NA	240.0	12.0
KAFB-106128-025	6/5/2012	VA1530	REG	0.10	0.00	0.12	21.02	1	NA	NA	18.0	1.5
KAFB-106128-050	6/5/2012	VA1531	REG	0.26	0.00	0.30	21.24	6	NA	NA	18.0	1.5
KAFB-106128-150	6/6/2012	VA1532	REG	-0.40	0.00	0.00	20.90	0	NA	NA	21.0	1.5
KAFB-106128-250	6/6/2012	VA1534	REG	-0.52	0.00	0.38	20.07	0	NA	NA	24.0	1.5
KAFB-106128-350	6/6/2012	VA1535	REG	-0.74	0.00	0.14	20.30	914	NA	NA	28.5	1.5
KAFB-106128-450	6/6/2012	VA1536	REG	-1.10	0.00	0.16	20.56	2390	NA	NA	240.0	12.0
KAFB-106129-025	6/18/2012	VA1537	REG	-0.02	0.00	0.02	21.04	3	NA	NA	18.0	1.5

Table 4-1
Field Measurements for Soil-Vapor Monitoring Wells, April - June 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-106129-050	6/18/2012	VA1538	REG	-0.10	0.00	0.00	20.74	0	NA	NA	18.0	1.5
KAFB-106129-150	6/18/2012	VA1539	REG	-0.32	0.00	0.00	20.72	0	NA	NA	22.5	1.5
KAFB-106129-250	6/18/2012	VA1540	REG	-0.36	0.00	0.02	20.87	8	NA	NA	24.0	1.5
KAFB-106129-350	6/18/2012	VA1541	REG	-0.58	0.00	0.02	21.10	57	NA	NA	27.0	1.5
KAFB-106129-450	6/18/2012	VA1542	REG	-0.74	0.00	0.02	21.14	148	NA	NA	240.0	12.0
KAFB-106130-025	6/18/2012	VA1543	REG	0.04	0.00	0.02	21.47	2	NA	NA	18.0	1.5
KAFB-106130-050	6/18/2012	VA1544	REG	0.10	0.00	0.02	21.60	2	NA	NA	18.0	1.5
KAFB-106130-150	6/18/2012	VA1546	REG	0.42	0.00	0.00	20.84	1	NA	NA	22.5	1.5
KAFB-106130-250	6/18/2012	VA1547	REG	0.32	0.00	0.06	20.66	0	NA	NA	24.0	1.5
KAFB-106130-350	6/18/2012	VA1548	REG	0.14	0.00	0.04	21.13	0	NA	NA	27.0	1.5
KAFB-106130-450	6/18/2012	VA1549	REG	0.12	0.00	0.00	20.80	50	NA	NA	240.0	12.0
KAFB-106131-025	6/20/2012	VA1550	REG	0.00	0.00	0.06	20.50	1	NA	NA	18.0	1.5
KAFB-106131-055	6/20/2012	VA1551	REG	0.01	0.00	0.02	21.29	1	NA	NA	18.0	1.5
KAFB-106131-150	6/20/2012	VA1552	REG	0.12	0.00	0.00	21.27	3	NA	NA	22.5	1.5
KAFB-106131-245	6/20/2012	VA1553	REG	0.00	0.00	0.04	20.32	1	NA	NA	24.0	1.5
KAFB-106131-350	6/21/2012	VA1555	REG	-2.70	0.00	0.02	20.85	58	NA	NA	27.0	1.5
KAFB-106131-450	6/21/2012	VA1556	REG	-1.12	0.00	0.06	20.87	252	NA	NA	240.0	12.0
KAFB-106132-025	5/21/2012	VA1557	REG	0.00	0.00	0.12	20.61	1	NA	NA	18.0	1.5
KAFB-106132-050	5/21/2012	VA1558	REG	-0.10	0.00	0.06	20.83	4	NA	NA	18.0	1.5
KAFB-106132-175	5/21/2012	VA1559	REG	-2.50	0.00	0.04	21.24	1	NA	NA	22.5	1.5
KAFB-106132-250	5/21/2012	VA1560	REG	-2.80	0.00	0.04	20.87	1	NA	NA	24.0	1.5
KAFB-106132-350	5/21/2012	VA1561	REG	-2.70	0.00	0.12	22.17	4	NA	NA	28.5	1.5
KAFB-106132-450	5/21/2012	VA1562	REG	-1.80	0.00	0.08	20.60	91	NA	NA	240.0	12.0
KAFB-106133-025	5/16/2012	VA1563	REG	0.00	0.00	1.00	19.93	0	NA	NA	18.0	1.5
KAFB-106133-050	5/16/2012	VA1564	REG	-0.04	0.00	0.96	19.39	1	NA	NA	18.0	1.5
KAFB-106133-170	5/16/2012	VA1566	REG	-1.50	0.00	0.38	19.47	2	NA	NA	22.5	1.5
KAFB-106133-250	5/16/2012	VA1567	REG	-1.50	0.00	0.74	18.49	4	NA	NA	24.0	1.5
KAFB-106133-350	5/16/2012	VA1568	REG	-2.00	0.00	0.72	18.01	72	NA	NA	28.5	1.5
KAFB-106133-450	5/16/2012	VA1569	REG	-2.10	0.00	0.48	19.31	242	NA	NA	240.0	12.0
KAFB-106134-025	6/19/2012	VA1570	REG	0.00	0.00	0.02	21.04	0	NA	NA	18.0	1.5
KAFB-106134-050	6/19/2012	VA1571	REG	0.00	0.00	0.00	21.00	1	NA	NA	18.0	1.5
KAFB-106134-170	6/19/2012	VA1572	REG	0.18	0.00	0.04	21.01	0	NA	NA	22.5	1.5
KAFB-106134-250	6/19/2012	VA1573	REG	0.20	0.00	0.04	20.83	1	NA	NA	24.0	1.5
KAFB-106134-350	6/19/2012	VA1574	REG	0.19	0.00	0.06	20.49	0	NA	NA	27.0	1.5
KAFB-106134-450	6/20/2012	VA1575	REG	0.11	0.00	0.04	20.77	75	NA	NA	240.0	12.0
KAFB-106135-025	5/21/2012	VA1577	REG	0.00	0.00	0.04	20.58	1	NA	NA	18.0	1.5
KAFB-106135-050	5/21/2012	VA1578	REG	0.00	0.00	0.02	20.85	0	NA	NA	18.0	1.5
KAFB-106135-150	5/21/2012	VA1579	REG	-0.80	0.00	0.04	21.39	2	NA	NA	22.5	1.5
KAFB-106135-250	5/21/2012	VA1580	REG	-1.70	0.00	0.00	20.76	3	NA	NA	24.0	1.5
KAFB-106135-350	5/22/2012	VA1581	REG	0.72	0.00	0.04	20.93	15	NA	NA	27.0	1.5

Table 4-1
Field Measurements for Soil-Vapor Monitoring Wells, April - June 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-106135-450	5/22/2012	VA1582	REG	1.20	0.00	0.00	21.16	37	NA	NA	240.0	12.0
KAFB-106136-025	5/21/2012	VA1583	REG	0.00	0.00	0.24	20.45	6	NA	NA	18.0	1.5
KAFB-106136-050	5/21/2012	VA1584	REG	0.00	0.00	0.26	20.82	6	NA	NA	18.0	1.5
KAFB-106136-150	5/21/2012	VA1585	REG	-1.00	0.00	0.10	19.50	5	NA	NA	22.5	1.5
KAFB-106136-250	5/21/2012	VA1586	REG	-2.20	0.00	0.12	20.58	5	NA	NA	27.0	1.5
KAFB-106136-350	5/21/2012	VA1588	REG	-2.00	0.00	0.10	20.67	5	NA	NA	27.0	1.5
KAFB-106136-450	5/21/2012	VA1589	REG	-1.80	0.00	0.18	20.41	6	NA	NA	240.0	12.0
KAFB-106137-025	5/16/2012	VA1590	REG	0.00	0.00	0.24	20.77	1	NA	NA	18.0	1.5
KAFB-106137-050	5/16/2012	VA1591	REG	0.10	0.00	0.22	20.11	1	NA	NA	18.0	1.5
KAFB-106137-150	5/16/2012	VA1592	REG	NR	0.00	0.16	19.92	1	NA	NA	22.5	1.5
KAFB-106137-250	5/17/2012	VA1593	REG	0.00	0.00	0.00	20.77	0	NA	NA	24.0	1.5
KAFB-106137-350	5/16/2012	VA1594	REG	-1.50	0.00	0.02	20.71	2	NA	NA	28.5	1.5
KAFB-106137-450	5/17/2012	VA1595	REG	1.80	0.00	0.06	20.70	68	NA	NA	240.0	12.0
KAFB-106138-025	5/23/2012	VA1597	REG	0.00	0.00	3.02	17.65	5	NA	NA	18.0	1.5
KAFB-106138-050	5/23/2012	VA1598	REG	0.00	0.00	2.16	17.97	2	NA	NA	18.0	1.5
KAFB-106138-150	5/23/2012	VA1599	REG	1.10	0.00	0.18	19.78	3	NA	NA	22.5	1.5
KAFB-106138-250	5/23/2012	VA1600	REG	1.80	0.00	0.22	19.56	5	NA	NA	27.0	1.5
KAFB-106138-350	5/23/2012	VA1601	REG	1.40	0.00	0.22	20.55	7	NA	NA	27.0	1.5
KAFB-106138-450	5/23/2012	VA1602	REG	1.40	0.00	0.18	20.64	5	NA	NA	240.0	12.0
KAFB-106139-025	6/7/2012	VA1603	REG	0.00	0.00	0.56	20.22	14	NA	NA	18.0	1.5
KAFB-106139-050	6/7/2012	VA1604	REG	0.00	0.00	0.80	19.19	10	NA	NA	18.0	1.5
KAFB-106139-150	6/7/2012	VA1605	REG	-1.00	0.00	0.54	19.04	9	NA	NA	22.5	1.5
KAFB-106139-250	6/11/2012	VA1606	REG	-2.00	0.00	0.72	19.87	6	NA	NA	27.0	1.5
KAFB-106139-350	6/11/2012	VA1608	REG	-2.00	0.00	0.76	19.74	7	NA	NA	27.0	1.5
KAFB-106139-450	6/11/2012	VA1609	REG	-2.00	0.00	0.88	19.07	7	NA	NA	240.0	12.0
KAFB-106140-025	5/22/2012	VA1610	REG	0.00	0.00	0.04	21.26	6	NA	NA	18.0	1.5
KAFB-106140-050	5/22/2012	VA1611	REG	0.00	0.00	0.02	21.51	0	NA	NA	18.0	1.5
KAFB-106140-150	5/22/2012	VA1612	REG	-0.60	0.00	0.04	21.13	1	NA	NA	22.5	1.5
KAFB-106140-250	5/22/2012	VA1613	REG	-0.70	0.00	0.04	20.68	1	NA	NA	27.0	1.5
KAFB-106140-350	5/22/2012	VA1614	REG	-1.00	0.00	0.02	22.32	78	NA	NA	27.0	1.5
KAFB-106140-450	5/22/2012	VA1615	REG	0.00	0.00	0.12	20.60	476	NA	NA	240.0	12.0
KAFB-106141-025	5/29/2012	VA1616	REG	-0.10	0.00	0.00	20.68	1	NA	NA	18.0	1.5
KAFB-106141-050	5/29/2012	VA1618	REG	-0.24	0.00	0.00	22.44	0	NA	NA	18.0	1.5
KAFB-106141-170	5/29/2012	VA1619	REG	-1.80	0.00	0.00	21.77	0	NA	NA	22.5	1.5
KAFB-106141-250	5/29/2012	VA1620	REG	-1.80	0.00	0.04	20.21	1	NA	NA	24.0	1.5
KAFB-106141-350	5/29/2012	VA1621	REG	-2.00	0.00	0.02	21.38	0	NA	NA	28.5	1.5
KAFB-106141-450	5/29/2012	VA1622	REG	-1.70	0.00	0.08	21.56	0	NA	NA	240.0	12.0
KAFB-106142-030	5/21/2012	VA1623	REG	0.00	0.00	0.24	19.71	2	NA	NA	18.0	1.5
KAFB-106142-050	5/21/2012	VA1624	REG	0.00	0.00	0.28	19.49	5	NA	NA	18.0	1.5
KAFB-106142-170	5/21/2012	VA1625	REG	-1.40	0.00	0.18	19.86	5	NA	NA	22.5	1.5

Table 4-1
Field Measurements for Soil-Vapor Monitoring Wells, April - June 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-106142-250	5/21/2012	VA1627	REG	-1.40	0.00	0.14	20.13	4	NA	NA	27.0	1.5
KAFB-106142-350	5/22/2012	VA1628	REG	1.00	0.00	0.16	20.08	6	NA	NA	27.0	1.5
KAFB-106142-450	5/22/2012	VA1629	REG	1.00	0.00	0.16	20.04	20	NA	NA	240.0	12.0
ST106-IN	6/13/2012	VA9056	REG	0.00	0.00	2.20	15.24	6920	NA	NA	NA	NA
ST106-POSTC1	6/14/2012	VA9058	REG	3.40	0.00	12.52	0.67	76	NA	NA	NA	NA
ST106-POSTC2	6/13/2012	VA9059	REG	0.60	0.00	11.78	1.54	82	NA	NA	NA	NA
KAFB106149-IN	6/14/2012	VA9061	REG	-1.60	0.00	2.40	15.46	11650	NA	NA	NA	NA
KAFB106149-POSTC1	6/14/2012	VA9060	REG	0.30	0.00	6.82	9.01	2110	NA	NA	NA	NA
KAFB106149-POSTC2	6/14/2012	VA9062	REG	1.00	0.00	9.20	7.69	442	NA	NA	NA	NA
KAFB106160-IN	6/14/2012	VA9063	REG	-1.20	0.00	0.78	17.42	4190	NA	NA	NA	NA
KAFB106160-POSTC2	6/14/2012	VA9065	REG	0.90	0.00	9.10	3.96	91	NA	NA	NA	NA
KAFB106161-IN	6/14/2012	VA9066	REG	-1.40	0.00	1.62	15.94	13290	NA	NA	NA	NA
KAFB106161-POSTC1	6/14/2012	VA9068	REG	1.60	0.00	9.40	4.11	83	NA	NA	NA	NA

*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
April - June 2012

	LOCATION CODE	KAFB-10628-150			KAFB-10628-250			KAFB-10628-350			KAFB-10628-450			KAFB-106108-025			KAFB-106108-050			KAFB-106108-050			KAFB-106108-150			KAFB-106108-250			KAFB-106108-350			KAFB-106108-450		
	SAMPLE NO	VA1380			VA1381			VA1382			VA1383			VA1398			VA1399			VA1400			VA1401			VA1402			VA1403			VA1404		
	SAMPLE DATE	22-May-12			22-May-12			22-May-12			22-May-12			15-May-12			15-May-12			15-May-12			16-May-12			16-May-12			16-May-12			16-May-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	130000		47000	150000		47000	310000		94000	1500000		190000	25000		4700	17000		4700	24000		4700	230000		47000	380000		47000	1200000		190000	610000		94000
	C9-C10 AROMATIC HYDROCARBONS	ND	U	53000	ND	U	53000	ND	U	110000	ND	U	210000	ND	U	5300	ND	U	5300	ND	U	5300	ND	U	53000	ND	U	53000	ND	U	210000	ND	U	110000
	C9-C12 ALIPHATIC HYDROCARBONS	ND	U	76000	ND	U	76000	ND	U	150000	ND	U	300000	2700	J	7600	2800	J	7600	3300	J	7600	ND	U	76000	ND	U	76000	ND	U	300000	ND	U	150000
VOCs (ppbv) Method TO15	1,1,1-TRICHLOROETHANE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	4	ND	U	4	ND	U	400	ND	U	800	ND	U	800	ND	U	400
	1,1,2,2-TETRACHLOROETHANE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	4	ND	U	4	ND	U	400	ND	U	800	ND	U	800	ND	U	400
	1,1,2-TRICHLOROETHANE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	4	ND	U	4	ND	U	400	ND	U	800	ND	U	800	ND	U	400
	1,1-DICHLOROETHANE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	4	ND	U	4	ND	U	400	ND	U	800	ND	U	800	ND	U	400
	1,1-DICHLOROETHENE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	4	ND	U	4	ND	U	400	ND	U	800	ND	U	800	ND	U	400
	1,2,4-TRICHLOROBENZENE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	4	ND	U	4	ND	U	400	ND	U	800	ND	U	800	ND	U	400
	1,2,4-TRIMETHYLBENZENE	43		40	60		40	ND	U	800	ND	U	800	ND	U	40	6		4	4.6		4	ND	U	400	ND	U	800	ND	U	800	ND	U	400
	1,2-DIBROMOETHANE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	4	ND	U	4	ND	U	400	ND	U	800	ND	U	800	ND	U	400
	1,2-DICHLOROBENZENE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	4	ND	U	4	ND	U	400	ND	U	800	ND	U	800	ND	U	400
	1,2-DICHLOROETHANE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	4	ND	U	4	ND	U	400	ND	U	800	ND	U	800	ND	U	400
	1,2-DICHLOROPROPANE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	4	ND	U	4	ND	U	400	ND	U	800	ND	U	800	ND	U	400
	1,3,5-TRIMETHYLBENZENE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	4	ND	U	4	ND	U	400	ND	U	800	ND	U	800	ND	U	400
	1,3-DICHLOROBENZENE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	4	ND	U	4	ND	U	400	ND	U	800	ND	U	800	ND	U	400
	1,4-DICHLOROBENZENE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	4	ND	U	4	ND	U	400	ND	U	800	ND	U	800	ND	U	400
	2-BUTANONE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	4	ND	U	4	ND	U	400	ND	U	800	ND	U	800	ND	U	400
	2-HEXANONE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	4	ND	U	4	ND	U	400	ND	U	800	ND	U	800	ND	U	400
	4-METHYL-2-PENTANONE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	4	ND	U	4	ND	U	400	ND	U	800	ND	U	800	ND	U	400
	ACETONE	ND	U	40	ND	U	40	1200		800	ND	U	800	ND	U	40	ND	U	4	ND	U	4	610		400	ND	U	800	ND	U	800	420		400
	BENZENE	700		40	720		40	2800		800	11000		800	52		40	ND	U	4	ND	U	4	1900		400	33000		800	11000		800	2500		400
	BENZENE, (CHLOROMETHYL)-	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	4	ND	U	4	ND	U	400	ND	U	800	ND	U	800	ND	U	400
	BROMODICHLOROMETHANE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	4	ND	U	4	ND	U	400	ND	U	800	ND	U	800	ND	U	400
	BROMOFORM	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	4	ND	U	4	ND	U	400	ND	U	800	ND	U	800	ND	U	400
	BROMOMETHANE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	4	ND	U	4	ND	U	400	ND	U	800	ND	U	800	ND	U	400
	CARBON DISULFIDE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	4	ND	U	4	ND	U	400	ND	U	800	ND	U	800	ND	U	400
	CARBON TETRACHLORIDE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	4	ND	U	4	ND	U	400	ND	U	800	ND	U	800	ND	U	400
	CHLOROBENZENE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	4	ND	U	4	ND	U	400	ND	U	800	ND	U	800	ND	U	400
	CHLOROETHANE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	4	ND	U	4	ND	U	400	ND	U	800	ND	U	800	ND	U	400
	CHLOROFORM	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	4	ND	U	4	ND	U	400	ND	U	800	ND	U	800	ND	U	400
	CHLOROMETHANE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	4	ND	U	4	ND	U	400	ND	U	800	ND	U	800	ND	U	400
	CIS-1,2-DICHLOROETHENE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	4	ND	U	4	ND	U	400	ND	U	800	ND	U	800	ND	U	400
	CIS-1,3-DICHLOROPROPENE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	4	ND	U	4	ND	U	400	ND	U	800	ND	U	800	ND	U	400
	CYCLOHEXANE	3000		1600	2800		1600	6800		1600	31000		1600	260		80	130		8	150		8	6000		800	4800		1600	13000		1600	5000		800
	DIBROMOCHLOROMETHANE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	4	ND	U	4	ND	U	400	ND	U	800	ND	U	800	ND	U	400
	DICHLORODIFLUOROMETHANE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	4	ND	U	4	ND	U	400	ND	U	800	ND	U	800	ND	U	400
	ERYTHRENE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	4	ND	U	4	ND	U	400	ND	U	800	ND	U	800	ND	U	400
	ETHYL ACETATE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	4	ND	U	4	ND	U	400	ND	U	800	ND	U	800	ND	U	400
	ETHYLBENZENE	350		80	420		80	ND	U	1600	930	J	1600	ND	U	80	12		8	11		8	ND	U	800	ND	U	1600	ND	U	1600	ND	U	800
	FREON 113	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	6.7		4	ND	U	4	ND	U	400	ND	U	800	ND	U	800	ND	U	400
	HEPTANE	2900		800	2500		800	3400		800	18000		800	64		40	ND	U	4	ND	U	4	560		400	ND	U	800	1700		800	660		400
	HEXACHLOROBUTADIENE	ND	U	80	ND	U	80	ND	U	1600	ND	U	1600	ND	U	80	ND	U	8	ND	U	8	ND	U	800	ND	U	1600	ND	U	1600	ND	U	800
	HEXANE	660		80	660		80	4400		1600	17000		1600	120		80	ND	U	8	ND	U	8	1900		800	4500		1600	13000		1600	3400		800
	M,P-XYLENES	810		80	990		80	1100	J	1600	2300		1600	ND	U	80	30		8	26		8	ND	U	800	2100		1600	920	J	1600	ND	U	800
	METHYL TERT-BUTYL ETHER	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	4	ND	U	4	ND	U	400	ND	U	800	ND	U	800	ND	U	400
	METHYLENE CHLORIDE	ND	U	200	ND	U	200	ND	U	4000	ND	U	4000	ND	U	200	ND	U	20	ND	U	20	1700	J	2000	ND	U	4000	ND	U	4000	ND	U	2000
	NAPHTHALENE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	4	ND	U	4	ND	U	400	ND	U	800	ND	U	800	ND	U	400
	O-XYLENE	210		40	270		40	ND	U	800	ND	U	800	ND	U	40	13		4	12		4	ND	U	400	1300		800	ND	U	800	ND	U	400
	PROPYLENE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	4.2		4	ND	U	4	ND	U	400	ND	U	800	870		800	ND	U	400
	STYRENE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	4	ND	U	4	ND	U	400	ND	U	800	ND	U	800	ND	U	400
	TETRACHLOROETHENE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	4	ND	U	4	ND	U	400	ND	U	800	ND	U	800	ND	U	400
	THF	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	4	ND	U	4	ND	U	400	ND	U	800	ND	U	800	ND	U	400
	TOLUENE	3400		800	3100		800	3700		800	14000		800	170		40	110		4	110		4	1300		400	69000		8000	25000		800	6200		400
	TRANS-1,2-DICHLOROETHENE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	4	ND	U	4	ND	U	400	ND	U	800	ND	U	800	ND	U	400
	TRANS-1,3-DICHLOROPROPENE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	4	ND	U	4	ND	U	400	ND	U	800	ND	U	800	ND	U	400
	TRICHLOROETHENE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	4	ND	U	4	ND	U	400	ND	U	800	ND	U	800	ND	U	400
	TRICHLOROFLUOROMETHANE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	4	ND	U	4	ND	U	400	ND	U	800	ND	U	800	ND	U	400
	VINYL ACETATE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	4	ND	U	4	ND	U	400	ND	U	800	ND	U	800	ND	U	400
	VINYL CHLORIDE	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	4	ND	U	4	ND	U	400	ND	U	800	ND	U	800	ND	U	400
	XYLENES	1000		120	1300		120	1100	J	2400	2300	J	2400	ND	U	120	43		12	37		12	ND	U	1200	3500		2400	920	J	2400	ND	U	1200
FIXED GASES Method D2504 (Percent)	CARBON DIOXIDE	0.086	J	0.1	0.14		0.1	0.2		0.1	0.5		0.1	0.49		0.1	1.3		0.1	1.9		0.1	2.2		0.1	0.33		0.1	0.19		0.1	0.16		0.1
	CMD	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		0.1	79		0.1	79		0.1	80		0.1	80		0.1	80		0.1	80		0.1	81		0.1	81		0.1	80		0.1	80		0.1
	OXYGEN	20		0.1	20		0.1	20		0.1	20		0.1	20		0.1	19		0.1	18		0.1	18		0.1	20		0.1	20		0.1	20		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
April - June 2012

	LOCATION CODE	KAFB-106109-025			KAFB-106109-050			KAFB-106109-150			KAFB-106109-250			KAFB-106109-350			KAFB-106109-350			KAFB-106109-450			KAFB-106110-025			KAFB-106110-050			KAFB-106110-150			KAFB-106110-250		
	SAMPLE NO	VA1405			VA1406			VA1407			VA1408			VA1409			VA1410			VA1411			VA1412			VA1413			VA1414			VA1415		
	SAMPLE DATE	15-May-12			15-May-12			15-May-12			15-May-12			15-May-12			15-May-12			15-May-12			15-May-12			15-May-12			15-May-12			15-May-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			240-250 FT			340-350 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) Method MADEP APH	C5-C8 ALIPHATIC HYDROCARBONS	92000		23000	190000		94000	66000		23000	91000		47000	250000		47000	190000		23000	450000		94000	9200		4700	8300		1900	240000		94000	62000		23000
	C9-C10 AROMATIC HYDROCARBONS	ND	U	27000	ND	U	110000	ND	U	27000	ND	U	53000	ND	U	53000	ND	U	27000	ND	U	110000	ND	U	5300	ND	U	2100	ND	U	110000	ND	U	27000
	C9-C12 ALIPHATIC HYDROCARBONS	ND	U	38000	ND	U	150000	8400	J	38000	ND	U	76000	ND	U	76000	7500	J	38000	ND	U	150000	ND	U	7600	490	J	3000	ND	U	150000	ND	U	38000
VOCs (ppbv) Method TO15	1,1,1-TRICHLOROETHANE	ND	U	200	ND	U	8	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	200	ND	U	4	ND	U	4	ND	U	800	ND	U	400
	1,1,2,2-TETRACHLOROETHANE	ND	U	200	ND	U	8	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	200	ND	U	4	ND	U	4	ND	U	800	ND	U	400
	1,1,2-TRICHLOROETHANE	ND	U	200	ND	U	8	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	200	ND	U	4	ND	U	4	ND	U	800	ND	U	400
	1,1-DICHLOROETHANE	ND	U	200	ND	U	8	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	200	ND	U	4	ND	U	4	ND	U	800	ND	U	400
	1,1-DICHLOROETHENE	ND	U	200	ND	U	8	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	200	ND	U	4	ND	U	4	ND	U	800	ND	U	400
	1,2,4-TRICHLOROBENZENE	ND	U	200	ND	U	8	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	200	ND	U	4	ND	U	4	ND	U	800	ND	U	400
	1,2,4-TRIMETHYLBENZENE	ND	U	200	ND	U	8	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	200	ND	U	4	ND	U	4	ND	U	800	ND	U	400
	1,2-DIBROMOETHANE	ND	U	200	ND	U	8	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	200	ND	U	4	ND	U	4	ND	U	800	ND	U	400
	1,2-DICHLOROBENZENE	ND	U	200	ND	U	8	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	200	ND	U	4	ND	U	4	ND	U	800	ND	U	400
	1,2-DICHLOROETHANE	ND	U	200	ND	U	8	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	200	ND	U	4	ND	U	4	ND	U	800	ND	U	400
	1,2-DICHLOROPROPANE	ND	U	200	ND	U	8	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	200	ND	U	4	ND	U	4	ND	U	800	ND	U	400
	1,3,5-TRIMETHYLBENZENE	ND	U	200	ND	U	8	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	200	ND	U	4	ND	U	4	ND	U	800	ND	U	400
	1,3-DICHLOROBENZENE	ND	U	200	ND	U	8	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	200	ND	U	4	ND	U	4	ND	U	800	ND	U	400
	1,4-DICHLOROBENZENE	ND	U	200	ND	U	8	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	200	ND	U	4	ND	U	4	ND	U	800	ND	U	400
	2-BUTANONE	ND	U	200	ND	U	8	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	200	ND	U	4	ND	U	4	ND	U	800	ND	U	400
	2-HEXANONE	ND	U	200	ND	U	8	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	200	ND	U	4	ND	U	4	ND	U	800	ND	U	400
	4-METHYL-2-PENTANONE	ND	U	200	ND	U	8	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	200	ND	U	4	ND	U	4	ND	U	800	ND	U	400
	ACETONE	ND	U	200	ND	U	8	ND	U	200	ND	U	40	ND	U	40	ND	U	40	300		200	ND	U	4	ND	U	4	ND	U	800	ND	U	400
	BENZENE	ND	U	200	ND	U	8	ND	U	200	150		40	500		40	450		40	410		200	ND	U	4	ND	U	4	1400		800	2200		400
	BENZENE, (CHLOROMETHYL)-	ND	U	200	ND	U	8	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	200	ND	U	4	ND	U	4	ND	U	800	ND	U	400
	BROMODICHLOROMETHANE	ND	U	200	ND	U	8	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	200	ND	U	4	ND	U	4	ND	U	800	ND	U	400
	BROMOFORM	ND	U	200	ND	U	8	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	200	ND	U	4	ND	U	4	ND	U	800	ND	U	400
	BROMOMETHANE	ND	U	200	ND	U	8	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	200	ND	U	4	ND	U	4	ND	U	800	ND	U	400
	CARBON DISULFIDE	ND	U	200	ND	U	8	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	200	ND	U	4	ND	U	4	ND	U	800	ND	U	400
	CARBON TETRACHLORIDE	ND	U	200	ND	U	8	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	200	ND	U	4	ND	U	4	ND	U	800	ND	U	400
	CHLOROBENZENE	ND	U	200	ND	U	8	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	200	ND	U	4	ND	U	4	ND	U	800	ND	U	400
	CHLOROETHANE	ND	U	200	ND	U	8	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	200	ND	U	4	ND	U	4	ND	U	800	ND	U	400
	CHLOROFORM	ND	U	200	ND	U	8	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	200	ND	U	4	ND	U	4	ND	U	800	ND	U	400
	CHLOROMETHANE	ND	U	200	ND	U	8	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	200	ND	U	4	ND	U	4	ND	U	800	ND	U	400
	CIS-1,2-DICHLOROETHENE	ND	U	200	ND	U	8	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	200	ND	U	4	ND	U	4	ND	U	800	ND	U	400
	CIS-1,3-DICHLOROPROPENE	ND	U	200	ND	U	8	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	200	ND	U	4	ND	U	4	ND	U	800	ND	U	400
	CYCLOHEXANE	ND	U	400	ND	U	16	ND	U	400	240		80	1300		80	1000		80	3500		400	ND	U	8	ND	U	8	6000		1600	ND	U	800
	DIBROMOCHLOROMETHANE	ND	U	200	ND	U	8	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	200	ND	U	4	ND	U	4	ND	U	800	ND	U	400
	DICHLORODIFLUOROMETHANE	ND	U	200	ND	U	8	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	200	ND	U	4	ND	U	4	ND	U	800	ND	U	400
	ERYTHRENE	ND	U	200	ND	U	8	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	200	ND	U	4	ND	U	4	ND	U	800	ND	U	400
	ETHYL ACETATE	ND	U	200	ND	U	8	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	200	ND	U	4	ND	U	4	ND	U	800	ND	U	400
	ETHYLBENZENE	ND	U	400	ND	U	16	ND	U	400	ND	U	80	ND	U	80	ND	U	80	ND	U	400	ND	U	8	ND	U	8	ND	U	1600	ND	U	800
	FREON 113	ND	U	200	ND	U	8	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	200	ND	U	4	4.1		4	ND	U	800	ND	U	400
	HEPTANE	ND	U	200	ND	U	8	ND	U	200	54		40	190		40	110		40	390		200	ND	U	4	ND	U	4	ND	U	800	ND	U	400
	HEXACHLOROBUTADIENE	ND	U	400	ND	U	16	ND	U	400	ND	U	80	ND	U	80	ND	U	80	ND	U	400	ND	U	8	ND	U	8	ND	U	1600	ND	U	800
	HEXANE	ND	U	400	ND	U	16	ND	U	400	ND	U	80	780		80	760		80	3600		400	ND	U	8	ND	U	8	5200		1600	3000		800
	M,P-XYLENES	ND	U	400	ND	U	16	ND	U	400	ND	U	80	93		80	53	J	80	ND	U	400	ND	U	8	ND	U	8	960	J	1600	860		800
	METHYL TERT-BUTYL ETHER	ND	U	200	ND	U	8	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	200	ND	U	4	ND	U	4	ND	U	800	ND	U	400
	METHYLENE CHLORIDE	3100		1000	ND	U	40	1100		1000	ND	U	200	ND	U	200	ND	U	200	ND	U	1000	ND	U	20	ND	U	20	1700	J	4000	4300		2000
	NAPHTHALENE	ND	U	200	ND	U	8	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	200	ND	U	4	ND	U	4	ND	U	800	ND	U	400
	O-XYLENE	ND	U	200	ND	U	8	ND	U	200	ND	U	40	41		40	ND	U	40	ND	U	200	ND	U	4	ND	U	4	ND	U	800	500		400
	PROPYLENE	ND	U	200	ND	U	8	ND	U	200	ND	U	40	96		40	110		40	270		200	ND	U	4	ND	U	4	ND	U	800	ND	U	400
	STYRENE	ND	U	200	ND	U	8	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	200	ND	U	4	ND	U	4	ND	U	800	ND	U	400
	TETRACHLOROETHENE	ND	U	200	ND	U	8	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	200	ND	U	4	ND	U	4	ND	U	800	ND	U	400
	THF	ND	U	200	ND	U	8	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	200	ND	U	4	ND	U	4	ND	U	800	ND	U	400
	TOLUENE	ND	U	200	ND	U	8	ND	U	200	140		40	810		40	520		40	620		200	ND	U	4	ND	U	4	2000		800	2900		400
	TRANS-1,2-DICHLOROETHENE	ND	U	200	ND	U	8	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	200	ND	U	4	ND	U	4	ND	U	800	ND	U	400
	TRANS-1,3-DICHLOROPROPENE	ND	U	200	ND	U	8	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	200	ND	U	4	ND	U	4	ND	U	800	ND	U	400
	TRICHLOROETHENE	ND	U	200	ND	U	8	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	200	ND	U	4	ND	U	4	ND	U	800	ND	U	400
	TRICHLOROFLUOROMETHANE	ND	U	200	ND	U	8	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	200	ND	U	4	ND	U	4	ND	U	800	ND	U	400
	VINYL ACETATE	ND	U	200	ND	U	8	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	200	ND	U	4	ND	U	4	ND	U	800	ND	U	400
	VINYL CHLORIDE	ND	U	200	ND	U	8	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	200	ND	U	4	ND	U	4	ND	U	800	ND	U	400
	XYLENES	ND	U	600	ND	U	24	ND	U	600	ND	U	120	130		120	53	J	120	ND	U	600	ND	U	12	ND	U	12	960	J	2400	1400		1200
FIXED GASES Method D2504 (Percent)	CARBON DIOXIDE	0.25		0.1	0.23		0.1	0.12		0.1	0.25		0.1	0.16		0.1	ND	U	0.1	0.66		0.1	ND	U	0.1	0.56		0.1	0.92		0.1	0.33		0.1
	CMD	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		0.1	79		0.1	78		0.1	80		0.1	80		0.1	80		0.1	83		0.1	79		0.1	80		0.1	80		0.1	80		0.1
	OXYGEN	21		0.1	21		0.1	20		0.1	20		0.1	20		0.1	21		0.1	17		0.1	21		0.1	20		0.1	18		0.1	20		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
April - June 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	VA1416			VA1417			VA1418			VA1419			VA1420			VA1421			VA1422			VA1423			VA1424			VA1425			VA1426		
	SAMPLE DATE	15-May-12			15-May-12			13-Jun-12			13-Jun-12			13-Jun-12			13-Jun-12			13-Jun-12			14-Jun-12			14-Jun-12			6-Jun-12			6-Jun-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	430000		94000	2600000		940000	1800000	J-	190000	3300000		940000	1800000	J-	940000	1300000	J-	190000	930000		94000	340000		47000	3000000		940000	970000		190000	840000		190000
	C9-C10 AROMATIC HYDROCARBONS	ND	U	110000	ND	U	1100000	ND	UJ	210000	ND	U	1100000	ND	UJ	1100000	ND	UJ	210000	ND	U	110000	ND	U	53000	ND	U	1100000	ND	U	210000	ND	U	210000
	C9-C12 ALIPHATIC HYDROCARBONS	ND	U	150000	ND	U	1500000	200000	J-	300000	450000	J	1500000	ND	UJ	1500000	220000	J-	300000	190000		150000	53000	J	76000	ND	U	1500000	ND	U	300000	ND	U	300000
VOCs (ppbv) Method TO15	1,1,1-TRICHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	800
	1,1,2,2-TETRACHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	800
	1,1,2-TRICHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	800
	1,1-DICHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	800
	1,1-DICHLOROETHENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	800
	1,2,4-TRICHLOROBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	800
	1,2,4-TRIMETHYLBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	800
	1,2-DIBROMOETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	800
	1,2-DICHLOROBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	800
	1,2-DICHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	800
	1,2-DICHLOROPROPANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	800
	1,3,5-TRIMETHYLBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	800
	1,3-DICHLOROBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	800
	1,4-DICHLOROBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	800
	2-BUTANONE	ND	U	800	ND	U	800	2700		800	3200		800	1400		800	1300		800	920		800	ND	U	400	ND	U	8000	ND	U	800	ND	U	800
	2-HEXANONE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	800
	4-METHYL-2-PENTANONE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	800
	ACETONE	ND	U	800	820		800	5300	J	800	7300		800	3600	J	800	3500	J	800	2300		800	970		400	ND	U	8000	ND	U	800	ND	U	800
	BENZENE	1700		800	4100		800	13000		800	16000		800	6700		800	8700		800	6200		800	2100		400	16000		8000	22000		800	19000		800
	BENZENE, (CHLOROMETHYL)-	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	800
	BROMODICHLOROMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	800
	BROMOFORM	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	800
	BROMOMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	800
	CARBON DISULFIDE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	800
	CARBON TETRACHLORIDE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	800
	CHLOROBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	800
	CHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	800
	CHLOROFORM	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	800
	CHLOROMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	800
	CIS-1,2-DICHLOROETHENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	800
	CIS-1,3-DICHLOROPROPENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	800
	CYCLOHEXANE	4000		1600	32000		1600	32000		1600	49000		16000	19000		1600	21000		1600	13000		1600	3200		800	31000		16000	23000		1600	21000		1600
	DIBROMOCHLOROMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	800
	DICHLORODIFLUOROMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	800
	ERYTHRENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	800
	ETHYL ACETATE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	800
	ETHYLBENZENE	ND	U	1600	ND	U	1600	1900		1600	3500		1600	1000	J	1600	2200		1600	1600		1600	ND	U	800	ND	U	16000	2200		1600	2600		1600
	FREON 113	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	800
	HEPTANE	ND	U	800	12000		800	30000		800	38000		800	16000		800	20000		800	13000		800	3000		400	11000		8000	17000		800	16000		800
	HEXACHLOROBUTADIENE	ND	U	1600	ND	U	1600	ND	U	1600	ND	U	1600	ND	U	1600	ND	U	1600	ND	U	1600	ND	U	800	ND	U	16000	ND	U	1600	ND	U	1600
	HEXANE	4700		1600	56000		16000	27000		1600	32000		1600	16000		1600	16000		1600	10000		1600	2900		800	33000		16000	13000		1600	11000		1600
	M,P-XYLENES	ND	U	1600	ND	U	1600	5400		1600	10000		1600	2900		1600	6300		1600	4700		1600	980		800	ND	U	16000	5700		1600	7000		1600
	METHYL TERT-BUTYL ETHER	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	800
	METHYLENE CHLORIDE	3600	J	4000	ND	U	4000	ND	U	4000	3000	J	4000	ND	U	4000	4000		4000	ND	U	4000	4200		2000	ND	U	40000	ND	U	4000	ND	U	4000
	NAPHTHALENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	800
	O-XYLENE	ND	U	800	ND	U	800	1500		800	2800		800	800		800	1700		800	1300		800	ND	U	400	ND	U	8000	1600		800	2000		800
	PROPYLENE	ND	U	800	1800		800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	800
	STYRENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	800
	TETRACHLOROETHENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	800
	THF	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	800
	TOLUENE	2300		800	8000		800	36000		800	78000		8000	19000		800	35000		800	23000		800	5900		400	18000		8000	81000		8000	67000		8000
	TRANS-1,2-DICHLOROETHENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	800
	TRANS-1,3-DICHLOROPROPENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	800
	TRICHLOROETHENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	800
	TRICHLOROFLUOROMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	800
	VINYL ACETATE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	800
	VINYL CHLORIDE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	800
	XYLENES	ND	U	2400	ND	U	2400	6900		2400	13000		2400	3700		2400	8000		2400	6000		2400	980	J	1200	ND	U	24000	7400		2400	9000		2400
FIXED GASES Method D2504 (Percent)	CARBON DIOXIDE	0.17		0.1	0.23		0.1	0.37		0.1	1		0.1	0.72		0.1	0.77		0.1	0.31		0.1	0.28		0.1	0.81		0.1	0.36		0.1	0.66		0.1
	CMD	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		0.1	81		0.1	79		0.1	78		0.1	77		0.1	78		0.1	77		0.1	78		0.1	80		0.1	77		0.1	78		0.1
	OXYGEN	20		0.1	19		0.1	21		0.1	19		0.1	20		0.1	19		0.1	20		0.1	20		0.1	17		0.1	19		0.1	18		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
April - June 2012

	LOCATION CODE	KAFB-106112-150			KAFB-106112-250			KAFB-106112-350			KAFB-106112-450			KAFB-106113-020			KAFB-106113-050			KAFB-106113-150			KAFB-106113-250			KAFB-106113-250			KAFB-106113-350			KAFB-106113-450		
	SAMPLE NO	VA1427			VA1428			VA1429			VA1430			VA1431			VA1432			VA1433			VA1434			VA1435			VA1436			VA1437		
	SAMPLE DATE	6-Jun-12			7-Jun-12			7-Jun-12			7-Jun-12			4-Jun-12			4-Jun-12			4-Jun-12			4-Jun-12			4-Jun-12			4-Jun-12			4-Jun-12		
	SAMPLE PURPOSE	REG			REG			REG			REG			REG			REG			REG			REG			FD			REG			REG		
	SAMPLE DEPTH	140-150 FT			240-250 FT			339-349 FT			439-449 FT			10-20 FT			40-50 FT			140-150 FT			240-250 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	660000		190000	550000		94000	1.6E+07		4700000	2.1E+07		4700000	630000		94000	400000		94000	360000		47000	140000		47000	98000		23000	540000		94000	1500000		190000
	C9-C10 AROMATIC HYDROCARBONS	ND	U	210000	ND	U	110000	ND	U	5300000	ND	U	5300000	ND	U	110000	ND	U	110000	ND	U	53000	ND	U	53000	ND	U	27000	ND	U	110000	ND	U	210000
	C9-C12 ALIPHATIC HYDROCARBONS	ND	U	300000	ND	U	150000	ND	U	7600000	ND	U	7600000	38000	J	150000	30000	J	150000	40000	J	76000	ND	U	76000	6400	J	38000	ND	U	150000	ND	U	300000
VOCs (ppbv) Method TO15	1,1,1-TRICHLOROETHANE	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	800
	1,1,2,2-TETRACHLOROETHANE	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	800
	1,1,2-TRICHLOROETHANE	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	800
	1,1-DICHLOROETHANE	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	800
	1,1-DICHLOROETHENE	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	800
	1,2,4-TRICHLOROBENZENE	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	800
	1,2,4-TRIMETHYLBENZENE	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	800	ND	U	800	ND	U	800	72		40	85		40	ND	U	400	ND	U	800
	1,2-DIBROMOETHANE	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	800
	1,2-DICHLOROBENZENE	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	800
	1,2-DICHLOROETHANE	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	800
	1,2-DICHLOROPROPANE	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	800
	1,3,5-TRIMETHYLBENZENE	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	800	ND	U	800	ND	U	800	ND	U	40	44		40	ND	U	400	ND	U	800
	1,3-DICHLOROBENZENE	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	800
	1,4-DICHLOROBENZENE	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	800
	2-BUTANONE	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	800
	2-HEXANONE	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	800
	4-METHYL-2-PENTANONE	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	800
	ACETONE	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	800	ND	U	800	1100		800	ND	U	40	ND	U	40	700		400	1300		800
	BENZENE	11000		800	11000		400	320000		20000	760000		20000	3500		800	1800		800	1400		800	530		40	460		40	3100		400	11000		800
	BENZENE, (CHLOROMETHYL)-	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	800
	BROMODICHLOROMETHANE	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	800
	BROMOFORM	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	800
	BROMOMETHANE	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	800
	CARBON DISULFIDE	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	800
	CARBON TETRACHLORIDE	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	800
	CHLOROBENZENE	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	800
	CHLOROETHANE	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	800
	CHLOROFORM	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	800
	CHLOROMETHANE	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	800
	CIS-1,2-DICHLOROETHENE	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	800
	CIS-1,3-DICHLOROPROPENE	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	800
	CYCLOHEXANE	11000		1600	8100		800	330000		40000	860000		40000	9900		1600	5300		1600	3800		1600	1300		80	1200		80	3700		800	13000		1600
	DIBROMOCHLOROMETHANE	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	800
	DICHLORODIFLUOROMETHANE	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	800
	ERYTHRENE	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	800
	ETHYL ACETATE	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	800
	ETHYLBENZENE	1400	J	1600	560	J	800	ND	U	40000	ND	U	40000	1500	J	1600	940	J	1600	940	J	1600	360		80	380		80	420	J	800	1500	J	1600
	FREON 113	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	800
	HEPTANE	8100		800	3700		400	150000		20000	440000		20000	9800		800	5500		800	4300		800	1800		40	1600		40	1600		400	6200		800
	HEXACHLOROBUTADIENE	ND	U	1600	ND	U	800	ND	U	40000	ND	U	40000	ND	U	1600	ND	U	1600	ND	U	1600	ND	U	80	ND	U	80	ND	U	800	ND	U	1600
	HEXANE	5700		1600	5700		800	340000		40000	830000		40000	2700		1600	1400	J	1600	1600		1600	330		80	290		80	2600		800	12000		1600
	M,P-XYLENES	3800		1600	1400		800	25000	J	40000	38000	J	40000	4000		1600	2600		1600	2600		1600	1100		80	1100		80	1000		800	3600		1600
	METHYL TERT-BUTYL ETHER	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	800
	METHYLENE CHLORIDE	ND	U	4000	5200		2000	ND	U	100000	ND	U	100000	ND	U	4000	ND	U	4000	ND	U	4000	ND	U	200	ND	U	200	850	J	2000	ND	U	4000
	NAPHTHALENE	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	800
	O-XYLENE	1100		800	420		400	ND	U	20000	ND	U	20000	1300		800	840		800	840		800	340		40	360		40	ND	U	400	1000		800
	PROPYLENE	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	800
	STYRENE	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	800
	TETRACHLOROETHENE	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	800
	THF	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	800
	TOLUENE	28000		800	20000		400	570000		20000	890000		20000	22000		800	12000		800	11000		800	3500		800	4000		800	6200		400	29000		800
	TRANS-1,2-DICHLOROETHENE	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	800
	TRANS-1,3-DICHLOROPROPENE	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	800
	TRICHLOROETHENE	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	800
	TRICHLOROFLUOROMETHANE	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	800
	VINYL ACETATE	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	800
	VINYL CHLORIDE	ND	U	800	ND	U	400	ND	U	20000	ND	U	20000	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	400	ND	U	800
	XYLENES	4900		2400	1800		1200	25000	J	60000	38000	J	60000	5300		2400	3400		2400	3400		2400	1400		120	1500		120	1000	J	1200	4700		2400
FIXED GASES Method D2504 (Percent)	CARBON DIOXIDE	0.66		0.1	0.85		0.1	0.65		0.1	0.93		0.1	0.2		0.1	0.29		0.1	0.18		0.1	0.28		0.1	0.23		0.1	0.3		0.1	0.22		0.1
	CMD	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		0.1	79		0.1	79		0.1	79		0.1	79		0.1	80		0.1	80		0.1	79		0.1	79		0.1	80		0.1	80		0.1
	OXYGEN	17		0.1	18		0.1	17		0.1	16		0.1	20		0.1	19		0.1	20		0.1	20		0.1	20		0.1	19		0.1	19		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
April - June 2012

	LOCATION CODE	KAFB-106114-025			KAFB-106114-050			KAFB-106114-150			KAFB-106114-250			KAFB-106114-350			KAFB-106114-450			KAFB-106115-025			KAFB-106115-050			KAFB-106115-150			KAFB-106115-150			KAFB-106115-250		
	SAMPLE NO	VA1438			VA1439			VA1440			VA1441			VA1442			VA1443			VA1444			VA1445			VA1446			VA1447			VA1448		
	SAMPLE DATE	30-May-12			30-May-12			30-May-12			30-May-12			30-May-12			30-May-12			4-Jun-12			4-Jun-12			4-Jun-12			4-Jun-12			4-Jun-12		
	SAMPLE PURPOSE	REG			REG			REG			REG			REG			REG			REG			REG			REG			FD			REG		
	SAMPLE DEPTH	15-25 FT			40-50 FT			140-150 FT			235-245 FT			340-350 FT			440-450 FT			15-25 FT			40-50 FT			145-155 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	1100000		190000	910000		190000	1000000		190000	1100000		190000	1300000		190000	1E+07		2300000	88000		47000	17000		4700	140000		47000	300000		94000	160000		47000
	C9-C10 AROMATIC HYDROCARBONS	ND	U	210000	ND	U	210000	ND	U	210000	ND	U	210000	ND	U	210000	ND	U	2700000	ND	U	53000	ND	U	5300	ND	U	53000	ND	U	110000	ND	U	53000
	C9-C12 ALIPHATIC HYDROCARBONS	ND	U	300000	ND	U	300000	ND	U	300000	ND	U	300000	ND	U	300000	ND	U	3800000	ND	U	76000	ND	U	7600	ND	U	76000	ND	U	150000	ND	U	76000
VOCs (ppbv) Method TO15	1,1,1-TRICHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	1,1,2,2-TETRACHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	1,1,2-TRICHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	1,1-DICHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	1,1-DICHLOROETHENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	1,2,4-TRICHLOROBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	1,2,4-TRIMETHYLBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	1,2-DIBROMOETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	1,2-DICHLOROBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	1,2-DICHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	1,2-DICHLOROPROPANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	1,3,5-TRIMETHYLBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	1,3-DICHLOROBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	1,4-DICHLOROBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	2-BUTANONE	1800		800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	2-HEXANONE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	4-METHYL-2-PENTANONE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	ACETONE	4300		800	2600	J	800	1400	J	800	1300	J	800	2600	J	800	ND	U	20000	ND	U	40	ND	U	40	ND	U	40	ND	U	800	260		40
	BENZENE	28000		800	15000		800	16000		800	14000		800	25000		800	220000		20000	540		40	210		40	830		40	1500		800	780		40
	BENZENE, (CHLOROMETHYL)-	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	BROMODICHLOROMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	BROMOFORM	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	BROMOMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	CARBON DISULFIDE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	CARBON TETRACHLORIDE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	CHLOROBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	CHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	CHLOROFORM	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	CHLOROMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	CIS-1,2-DICHLOROETHENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	CIS-1,3-DICHLOROPROPENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	CYCLOHEXANE	83000		16000	35000		1600	37000		1600	33000		1600	25000		1600	410000		40000	1200		80	570		80	2000		1600	5100		1600	2400		1600
	DIBROMOCHLOROMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	DICHLORODIFLUOROMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	ERYTHRENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	ETHYL ACETATE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	ETHYLBENZENE	3200		1600	1800		1600	2600		1600	2700		1600	1900		1600	ND	U	40000	82		80	ND	U	80	150		80	ND	U	1600	170		80
	FREON 113	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	HEPTANE	74000		8000	31000		800	32000		800	28000		800	20000		800	240000		20000	990		40	360		40	1600		40	3000		800	1500		40
	HEXACHLOROBUTADIENE	ND	U	1600	ND	U	1600	ND	U	1600	ND	U	1600	ND	U	1600	ND	U	40000	ND	U	80	ND	U	80	ND	U	80	ND	U	1600	ND	U	80
	HEXANE	73000		16000	28000		1600	29000		1600	27000		1600	20000		1600	430000		40000	690		80	320		80	1000		80	2600		1600	980		80
	M,P-XYLENES	8200		1600	4500		1600	6900		1600	7100		1600	5200		1600	ND	U	40000	210		80	55	J	80	380		80	ND	U	1600	440		80
	METHYL TERT-BUTYL ETHER	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	METHYLENE CHLORIDE	ND	U	4000	ND	U	4000	ND	U	4000	ND	U	4000	1700	J	4000	ND	U	100000	ND	U	200	ND	U	200	ND	U	200	ND	U	4000	ND	U	200
	NAPHTHALENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	O-XYLENE	2200		800	1200		800	1900		800	2100		800	1600		800	ND	U	20000	68		40	ND	U	40	120		40	ND	U	800	150		40
	PROPYLENE	910		800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	STYRENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	TETRACHLOROETHENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	THF	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	TOLUENE	91000		8000	36000		800	62000		8000	38000		800	30000		800	210000		20000	1600		40	420		40	2000		800	4100		800	3300		800
	TRANS-1,2-DICHLOROETHENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	TRANS-1,3-DICHLOROPROPENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	TRICHLOROETHENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	TRICHLOROFLUOROMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	VINYL ACETATE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	VINYL CHLORIDE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	XYLENES	10000		2400	5700		2400	8800		2400	9200		2400	6700		2400	ND	U	60000	280		120	55	J	120	500		120	ND	U	2400	590		120
FIXED GASES Method D2504 (Percent)	CARBON DIOXIDE	0.5		0.1	0.32		0.1	0.44		0.1	0.67		0.1	0.31		0.1	0.37		0.1	0.3		0.1	0.32		0.1	0.23		0.1	0.18		0.1	0.18		0.1
	CMD	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		0.1	80		0.1	81		0.1	80		0.1	80		0.1	81		0.1	79		0.1	79		0.1	79		0.1	79		0.1	80		0.1
	OXYGEN	20		0.1	20		0.1	19		0.1	19		0.1	19		0.1	19		0.1	20		0.1	20		0.1	19		0.1	20		0.1	20		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
April - June 2012

	LOCATION CODE	KAFB-106115-350			KAFB-106115-450			KAFB-106116-025			KAFB-106116-050			KAFB-106116-150			KAFB-106116-250			KAFB-106116-350			KAFB-106116-350			KAFB-106116-450			KAFB-106117-025			KAFB-106117-050		
	SAMPLE NO	VA1449			VA1450			VA1451			VA1452			VA1453			VA1454			VA1455			VA1456			VA1457			VA1458			VA1459		
	SAMPLE DATE	4-Jun-12			4-Jun-12			29-May-12			29-May-12			29-May-12			29-May-12			29-May-12			29-May-12			30-May-12			29-May-12			29-May-12		
	SAMPLE PURPOSE	REG			REG			REG			REG			REG			REG			REG			FD			REG			REG			REG		
	SAMPLE DEPTH	340-350 FT			440-450 FT			10-19 FT			40-49 FT			140-149 FT			240-249 FT			340-349 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	3400000		940000	470000		94000	1300000		190000	590000		94000	380000		94000	430000		47000	1300000		190000	1100000		190000	2.1E+07		9400000	15000		4700	18000		4700
	C9-C10 AROMATIC HYDROCARBONS	ND	U	1100000	ND	U	110000	ND	U	210000	ND	U	110000	ND	U	110000	ND	U	53000	ND	U	210000	ND	U	210000	ND	U	1.1E+07	ND	U	5300	ND	U	5300
	C9-C12 ALIPHATIC HYDROCARBONS	ND	U	1500000	ND	U	150000	ND	U	300000	ND	U	150000	ND	U	150000	31000	J	76000	ND	U	300000	ND	U	300000	ND	U	1.5E+07	ND	U	7600	ND	U	7600
VOCs (ppbv) Method TO15	1,1,1-TRICHLOROETHANE	ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	40000	ND	U	40	ND	U	40
	1,1,2,2-TETRACHLOROETHANE	ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	40000	ND	U	40	ND	U	40
	1,1,2-TRICHLOROETHANE	ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	40000	ND	U	40	ND	U	40
	1,1-DICHLOROETHANE	ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	40000	ND	U	40	ND	U	40
	1,1-DICHLOROETHENE	ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	40000	ND	U	40	ND	U	40
	1,2,4-TRICHLOROBENZENE	ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	40000	ND	U	40	ND	U	40
	1,2,4-TRIMETHYLBENZENE	ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	40000	ND	U	40	ND	U	40
	1,2-DIBROMOETHANE	ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	40000	ND	U	40	ND	U	40
	1,2-DICHLOROBENZENE	ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	40000	ND	U	40	ND	U	40
	1,2-DICHLOROETHANE	ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	40000	ND	U	40	ND	U	40
	1,2-DICHLOROPROPANE	ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	40000	ND	U	40	ND	U	40
	1,3,5-TRIMETHYLBENZENE	ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	40000	ND	U	40	ND	U	40
	1,3-DICHLOROBENZENE	ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	40000	ND	U	40	ND	U	40
	1,4-DICHLOROBENZENE	ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	40000	ND	U	40	ND	U	40
	2-BUTANONE	ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	40000	ND	U	40	ND	U	40
	2-HEXANONE	ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	40000	ND	U	40	ND	U	40
	4-METHYL-2-PENTANONE	ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	40000	ND	U	40	ND	U	40
	ACETONE	ND	U	800	ND	U	40	2100	J	800	ND	U	800	2300	J	800	1100	J	400	ND	U	8000	ND	U	800	ND	U	40000	ND	U	40	ND	U	40
	BENZENE	1200		800	290		40	8700		800	3800		800	3300		800	3100		400	16000		8000	8800		800	650000		40000	110		40	48		40
	BENZENE, (CHLOROMETHYL)-	ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	40000	ND	U	40	ND	U	40
	BROMODICHLOROMETHANE	ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	40000	ND	U	40	ND	U	40
	BROMOFORM	ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	40000	ND	U	40	ND	U	40
	BROMOMETHANE	ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	40000	ND	U	40	ND	U	40
	CARBON DISULFIDE	ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	40000	ND	U	40	ND	U	40
	CARBON TETRACHLORIDE	ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	40000	ND	U	40	ND	U	40
	CHLOROBENZENE	ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	40000	ND	U	40	ND	U	40
	CHLOROETHANE	ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	40000	ND	U	40	ND	U	40
	CHLOROFORM	ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	40000	ND	U	40	ND	U	40
	CHLOROMETHANE	ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	40000	ND	U	40	ND	U	40
	CIS-1,2-DICHLOROETHENE	ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	40000	ND	U	40	ND	U	40
	CIS-1,3-DICHLOROPROPENE	ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	40000	ND	U	40	ND	U	40
	CYCLOHEXANE	8800		1600	1200		80	21000		1600	9500		1600	9400		1600	7400		800	32000		16000	19000		1600	1100000		80000	420		80	300		80
	DIBROMOCHLOROMETHANE	ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	40000	ND	U	40	ND	U	40
	DICHLORODIFLUOROMETHANE	ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	40000	ND	U	40	ND	U	40
	ERYTHRENE	ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	40000	ND	U	40	ND	U	40
	ETHYL ACETATE	ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	40000	ND	U	40	ND	U	40
	ETHYLBENZENE	ND	U	1600	64	J	80	1300	J	1600	ND	U	1600	ND	U	1600	570	J	800	ND	U	16000	820	J	1600	ND	U	80000	ND	U	80	ND	U	80
	FREON 113	ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	40000	ND	U	40	ND	U	40
	HEPTANE	2400		800	420		40	27000		800	13000		800	10000		800	7500		400	18000		8000	12000		800	710000		40000	170		40	97		40
	HEXACHLOROBUTADIENE	ND	U	1600	ND	U	80	ND	U	1600	ND	U	1600	ND	U	1600	ND	U	800	ND	U	16000	ND	U	1600	ND	U	80000	ND	U	80	ND	U	80
	HEXANE	6800		1600	1300		80	13000		1600	5000		1600	6400		1600	4600		800	27000		16000	15000		1600	980000		80000	170		80	ND	U	80
	M,P-XYLENES	ND	U	1600	120		80	4700		1600	2700		1600	1900		1600	2000		800	ND	U	16000	2500		1600	ND	U	80000	ND	U	80	ND	U	80
	METHYL TERT-BUTYL ETHER	ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	40000	ND	U	40	ND	U	40
	METHYLENE CHLORIDE	ND	U	4000	ND	U	200	3000	J	4000	ND	U	4000	ND	U	4000	ND	U	2000	ND	U	40000	ND	U	4000	ND	U	200000	ND	U	200	ND	U	200
	NAPHTHALENE	ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	40000	ND	U	40	ND	U	40
	O-XYLENE	ND	U	800	42		40	1500		800	850		800	ND	U	800	660		400	ND	U	8000	ND	U	800	ND	U	40000	ND	U	40	ND	U	40
	PROPYLENE	6000		800	380		40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	40000	54		40	ND	U	40
	STYRENE	ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	40000	ND	U	40	ND	U	40
	TETRACHLOROETHENE	ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	40000	ND	U	40	ND	U	40
	THF	ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	40000	ND	U	40	ND	U	40
	TOLUENE	3300		800	1000		40	24000		800	12000		800	9300		800	8200		400	24000		8000	15000		800	680000		40000	ND	U	40	ND	U	40
	TRANS-1,2-DICHLOROETHENE	ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	40000	ND	U	40	ND	U	40
	TRANS-1,3-DICHLOROPROPENE	ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	40000	ND	U	40	ND	U	40
	TRICHLOROETHENE	ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	40000	ND	U	40	ND	U	40
	TRICHLOROFLUOROMETHANE	ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	40000	ND	U	40	ND	U	40
	VINYL ACETATE	ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	40000	ND	U	40	ND	U	40
	VINYL CHLORIDE	ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	800	ND	U	40000	ND	U	40	ND	U	40
	XYLENES	ND	U	2400	170		120	6200		2400	3600		2400	1900	J	2400	2700		1200	ND	U	24000	2500		2400	ND	U	120000	ND	U	120	ND	U	120
FIXED GASES Method D2504 (Percent)	CARBON DIOXIDE	0.22		0.1	0.89		0.1	0.26		0.1	0.38		0.1	0.21		0.1	0.085	J	0.1	0.094	J	0.1	0.056	J	0.1	0.54		0.1	1.2		0.1	1.4		0.1
	CMD	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		0.1	81		0.1	77		0.1	79		0.1	79		0.1	78		0.1	78		0.1	78		0.1	81		0.1	79		0.1	80		0.1
	OXYGEN	20		0.1	17		0.1	20		0.1	19		0.1	19		0.1	20		0.1	20		0.1	21		0.1	18		0.1	19		0.1	18		0.1

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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.

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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
April - June 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	VA1460			VA1461			VA1462			VA1463			VA1464			VA1465			VA1466			VA1467			VA1468			VA1469			VA1470		
	SAMPLE DATE	29-May-12			30-May-12			30-May-12			30-May-12			30-May-12			4-Jun-12			5-Jun-12			5-Jun-12			5-Jun-12			5-Jun-12			5-Jun-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) Method MADEP APH	C5-C8 ALIPHATIC HYDROCARBONS	11000		4700	1600000		190000	8700000		4700000	6700000		2300000	4.3E+07		9400000	210000		94000	230000		94000	220000		94000	510000		190000	350000		94000	270000		94000
	C9-C10 AROMATIC HYDROCARBONS	ND	U	5300	ND	U	210000	ND	U	5300000	ND	U	2700000	ND	U	1.1E+07	ND	U	110000	ND	U	110000	ND	U	110000	ND	U	210000	ND	U	110000	ND	U	110000
	C9-C12 ALIPHATIC HYDROCARBONS	ND	U	7600	ND	U	300000	ND	U	7600000	ND	U	3800000	ND	U	1.5E+07	ND	U	150000	ND	U	150000	ND	U	150000	ND	U	300000	ND	U	150000	ND	U	150000
VOCs (ppbv) Method TO15	1,1,1-TRICHLOROETHANE	ND	U	40	ND	U	1600	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800
	1,1,2,2-TETRACHLOROETHANE	ND	U	40	ND	U	1600	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800
	1,1,2-TRICHLOROETHANE	ND	U	40	ND	U	1600	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800
	1,1-DICHLOROETHANE	ND	U	40	ND	U	1600	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800
	1,1-DICHLOROETHENE	ND	U	40	ND	U	1600	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800
	1,2,4-TRICHLOROBENZENE	ND	U	40	ND	U	1600	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800
	1,2,4-TRIMETHYLBENZENE	ND	U	40	ND	U	1600	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	40	88		40	100		40	ND	U	400	ND	U	800	ND	U	800
	1,2-DIBROMOETHANE	ND	U	40	ND	U	1600	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800
	1,2-DICHLOROBENZENE	ND	U	40	ND	U	1600	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800
	1,2-DICHLOROETHANE	ND	U	40	ND	U	1600	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800
	1,2-DICHLOROPROPANE	ND	U	40	ND	U	1600	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800
	1,3,5-TRIMETHYLBENZENE	ND	U	40	ND	U	1600	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	40	47		40	54		40	ND	U	400	ND	U	800	ND	U	800
	1,3-DICHLOROBENZENE	ND	U	40	ND	U	1600	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800
	1,4-DICHLOROBENZENE	ND	U	40	ND	U	1600	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800
	2-BUTANONE	ND	U	40	ND	U	1600	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	40	100		40	77		40	ND	U	400	ND	U	800	ND	U	800
	2-HEXANONE	ND	U	40	ND	U	1600	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800
	4-METHYL-2-PENTANONE	ND	U	40	ND	U	1600	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800
	ACETONE	ND	U	40	ND	U	1600	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800
	BENZENE	ND	U	40	27000		1600	130000		40000	74000		40000	790000		40000	1500		40	1200		40	1500		40	8900		400	1700		800	1300		800
	BENZENE, (CHLOROMETHYL)-	ND	U	40	ND	U	1600	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800
	BROMODICHLOROMETHANE	ND	U	40	ND	U	1600	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800
	BROMOFORM	ND	U	40	ND	U	1600	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800
	BROMOMETHANE	ND	U	40	ND	U	1600	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800
	CARBON DISULFIDE	ND	U	40	ND	U	1600	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800
	CARBON TETRACHLORIDE	ND	U	40	ND	U	1600	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800
	CHLOROBENZENE	ND	U	40	ND	U	1600	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800
	CHLOROETHANE	ND	U	40	ND	U	1600	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800
	CHLOROFORM	ND	U	40	ND	U	1600	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800
	CHLOROMETHANE	ND	U	40	ND	U	1600	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800
	CIS-1,2-DICHLOROETHENE	ND	U	40	ND	U	1600	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800
	CIS-1,3-DICHLOROPROPENE	ND	U	40	ND	U	1600	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800
	CYCLOHEXANE	250		80	54000		3200	710000		80000	360000		80000	1500000		160000	6100		1600	4200		1600	1700		1600	6600		800	3300		1600	2800		1600
	DIBROMOCHLOROMETHANE	ND	U	40	ND	U	1600	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800
	DICHLORODIFLUOROMETHANE	ND	U	40	ND	U	1600	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800
	ERYTHRENE	ND	U	40	ND	U	1600	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800
	ETHYL ACETATE	ND	U	40	ND	U	1600	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800
	ETHYLBENZENE	ND	U	80	ND	U	3200	ND	U	80000	ND	U	80000	ND	U	80000	140		80	490		80	490		80	900		800	820	J	1600	ND	U	1600
	FREON 113	ND	U	40	ND	U	1600	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800
	HEPTANE	64		40	21000		1600	590000		40000	300000		40000	1200000		40000	1200		40	3900		800	1600		800	5000		400	3400		800	3100		800
	HEXACHLOROBUTADIENE	ND	U	80	ND	U	3200	ND	U	80000	ND	U	80000	ND	U	80000	ND	U	80	ND	U	80	ND	U	80	ND	U	800	ND	U	1600	ND	U	1600
	HEXANE	ND	U	80	43000		3200	390000		80000	190000		80000	2000000		160000	1400		80	700		80	540		80	3400		800	1100	J	1600	910	J	1600
	M,P-XYLENES	ND	U	80	2000	J	3200	50000	J	80000	ND	U	80000	43000	J	80000	320		80	1400		80	1400		80	2400		800	2300		1600	2100		1600
	METHYL TERT-BUTYL ETHER	ND	U	40	ND	U	1600	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800
	METHYLENE CHLORIDE	ND	U	200	ND	U	8000	ND	U	200000	ND	U	200000	ND	U	200000	ND	U	200	ND	U	200	ND	U	200	ND	U	2000	2100	J	4000	ND	U	4000
	NAPHTHALENE	ND	U	40	ND	U	1600	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800
	O-XYLENE	ND	U	40	ND	U	1600	ND	U	40000	ND	U	40000	ND	U	40000	110		40	460		40	470		40	780		400	ND	U	800	ND	U	800
	PROPYLENE	ND	U	40	ND	U	1600	ND	U	40000	ND	U	40000	42000		40000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800
	STYRENE	ND	U	40	ND	U	1600	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800
	TETRACHLOROETHENE	ND	U	40	ND	U	1600	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800
	THF	ND	U	40	ND	U	1600	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800
	TOLUENE	ND	U	40	27000		1600	390000		40000	210000		40000	670000		40000	5800		800	9200		800	3800		800	23000		800	10000		800	8800		800
	TRANS-1,2-DICHLOROETHENE	ND	U	40	ND	U	1600	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800
	TRANS-1,3-DICHLOROPROPENE	ND	U	40	ND	U	1600	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800
	TRICHLOROETHENE	ND	U	40	ND	U	1600	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800
	TRICHLOROFLUOROMETHANE	ND	U	40	ND	U	1600	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800
	VINYL ACETATE	ND	U	40	ND	U	1600	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800
	VINYL CHLORIDE	ND	U	40	ND	U	1600	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	800	ND	U	800
	XYLENES	ND	U	120	2000	J	4800	50000	J	120000	ND	U	120000	43000	J	120000	430		120	1800		120	1900		120	3200	J	1200	2300	J	2400	2100	J	2400
FIXED GASES Method D2504 (Percent)	CARBON DIOXIDE	1.4		0.1	0.38		0.1	1.2		0.1	1		0.1	2.9		0.1	0.41		0.1	0.77		0.1	0.79		0.1	0.24		0.1	0.1		0.1	0.05	J	0.1
	CMD	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		0.1	79		0.1	80		0.1	79		0.1	82		0.1	79		0.1	79		0.1	81		0.1	77		0.1	77		0.1	76		0.1
	OXYGEN	18		0.1	20		0.1	18		0.1	18		0.1	13		0.1	20		0.1	19		0.1	17		0.1	19		0.1	20		0.1	21		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
April - June 2012

	LOCATION CODE	KAFB-106119-025			KAFB-106119-050			KAFB-106119-050			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	VA1471			VA1472			VA1473			VA1474			VA1475			VA1476			VA1477			VA1478			VA1479			VA1480			VA1481		
	SAMPLE DATE	6-Jun-12			6-Jun-12			6-Jun-12			6-Jun-12			6-Jun-12			6-Jun-12			13-Jun-12			11-Jun-12			11-Jun-12			11-Jun-12			11-Jun-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) Method MADEP APH	C5-C8 ALIPHATIC HYDROCARBONS	2000000		940000	1100000		190000	2400000		940000	1100000		190000	150000		47000	2600000		940000	7800000		2300000	300000		94000	170000		47000	230000		47000	190000		47000
	C9-C10 AROMATIC HYDROCARBONS	ND	U	1100000	ND	U	210000	ND	U	1100000	ND	U	210000	ND	U	53000	ND	U	1100000	ND	U	2700000	ND	U	110000	ND	U	53000	ND	U	53000	ND	U	53000
	C9-C12 ALIPHATIC HYDROCARBONS	ND	U	1500000	ND	U	300000	ND	U	1500000	ND	U	300000	ND	U	76000	ND	U	1500000	ND	U	3800000	ND	U	150000	12000	J	76000	25000	J	76000	30000	J	76000
VOCs (ppbv) Method TO15	1,1,1-TRICHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	20000	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	1,1,2,2-TETRACHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	20000	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	1,1,2-TRICHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	20000	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	1,1-DICHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	20000	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	1,1-DICHLOROETHENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	20000	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	1,2,4-TRICHLOROBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	20000	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	1,2,4-TRIMETHYLBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	20000	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	1,2-DIBROMOETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	20000	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	1,2-DICHLOROBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	20000	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	1,2-DICHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	20000	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	1,2-DICHLOROPROPANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	20000	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	1,3,5-TRIMETHYLBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	20000	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	1,3-DICHLOROBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	20000	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	1,4-DICHLOROBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	20000	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	2-BUTANONE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	20000	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	2-HEXANONE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	20000	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	4-METHYL-2-PENTANONE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	20000	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	ACETONE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	20000	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	BENZENE	25000		800	13000		800	29000		800	17000		800	1600		400	39000		8000	60000		20000	2500		800	1200		400	3200		400	1400		400
	BENZENE, (CHLOROMETHYL)-	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	20000	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	BROMODICHLOROMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	20000	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	BROMOFORM	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	20000	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	BROMOMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	20000	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	CARBON DISULFIDE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	20000	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	CARBON TETRACHLORIDE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	20000	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	CHLOROBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	20000	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	CHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	20000	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	CHLOROFORM	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	20000	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	CHLOROMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	20000	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	CIS-1,2-DICHLOROETHENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	20000	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	CIS-1,3-DICHLOROPROPENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	20000	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	CYCLOHEXANE	64000		16000	25000		1600	73000		16000	32000		1600	2800		800	48000		16000	110000		40000	4500		1600	2100		800	4600		800	2100		800
	DIBROMOCHLOROMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	20000	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	DICHLORODIFLUOROMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	20000	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	ERYTHRENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	20000	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	ETHYL ACETATE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	20000	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	ETHYLBENZENE	830	J	1600	ND	U	1600	1200	J	1600	1100	J	1600	ND	U	800	ND	U	16000	ND	U	40000	ND	U	1600	ND	U	800	720	J	800	ND	U	800
	FREON 113	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	20000	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	HEPTANE	40000		800	23000		800	58000		8000	29000		800	2000		400	26000		8000	ND	U	20000	2700		800	1200		400	2600		400	1200		400
	HEXACHLOROBUTADIENE	ND	U	1600	ND	U	1600	ND	U	1600	ND	U	1600	ND	U	800	ND	U	16000	ND	U	40000	ND	U	1600	ND	U	800	ND	U	800	ND	U	800
	HEXANE	36000		1600	18000		1600	59000		16000	21000		1600	2200		800	40000		16000	49000		40000	1600		1600	500	J	800	1800		800	940		800
	M,P-XYLENES	3600		1600	2700		1600	5200		1600	4800		1600	410	J	800	ND	U	16000	ND	U	40000	1600		1600	860		800	2000		800	1100		800
	METHYL TERT-BUTYL ETHER	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	20000	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	METHYLENE CHLORIDE	2500	J	4000	3300	J	4000	3500	J	4000	2700	J	4000	ND	U	2000	ND	U	40000	530000		100000	ND	U	4000	ND	U	2000	1900	J	2000	3000		2000
	NAPHTHALENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	20000	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	O-XYLENE	ND	U	800	ND	U	800	1100		800	1100		800	ND	U	400	ND	U	8000	ND	U	20000	ND	U	800	ND	U	400	730		400	420		400
	PROPYLENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	20000	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	STYRENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	20000	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	TETRACHLOROETHENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	20000	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	THF	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	20000	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	TOLUENE	89000		8000	34000		800	81000		8000	72000		8000	3500		400	78000		8000	100000		20000	8800		800	4700		400	9300		400	5000		400
	TRANS-1,2-DICHLOROETHENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	20000	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	TRANS-1,3-DICHLOROPROPENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	20000	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	TRICHLOROETHENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	20000	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	TRICHLOROFLUOROMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	20000	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	VINYL ACETATE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	20000	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	VINYL CHLORIDE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000	ND	U	20000	ND	U	800	ND	U	400	ND	U	400	ND	U	400
	XYLENES	3600	J	2400	2700	J	2400	6300	J	2400	5900	J	2400	410	J	1200	ND	U	24000	ND	U	60000	1600	J	2400	860	J	1200	2700		1200	1500		1200
FIXED GASES Method D2504 (Percent)	CARBON DIOXIDE	0.32		0.1	3		0.1	2.5		0.1	3		0.1	0.99		0.1	0.46		0.1	1.8		0.1	0.75		0.1	1.4		0.1	0.25		0.1	0.23		0.1
	CMD	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	77		0.1	81		0.1	80		0.1	82		0.1	82		0.1	80		0.1	80		0.1	78		0.1	79		0.1	79		0.1	78		0.1
	OXYGEN	20		0.1	17		0.1	18		0.1	15		0.1	18		0.1	19		0.1	16		0.1	21		0.1	19		0.1	21		0.1	21		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
April - June 2012

	LOCATION CODE	KAFB-106120-350			KAFB-106120-450			KAFB-106121-025			KAFB-106121-050			KAFB-106121-145			KAFB-106121-145			KAFB-106121-250			KAFB-106121-350			KAFB-106121-450			KAFB-106122-025			KAFB-106122-050		
	SAMPLE NO	VA1482			VA1483			VA1484			VA1485			VA1486			VA1487			VA1488			VA1489			VA1490			VA1491			VA1492		
	SAMPLE DATE	11-Jun-12			11-Jun-12			31-May-12			31-May-12			31-May-12			31-May-12			31-May-12			31-May-12			31-May-12			12-Jun-12			12-Jun-12		
	SAMPLE PURPOSE	REG			REG			REG			REG			REG			FD			REG			REG			REG			REG			REG		
	SAMPLE DEPTH	340-350 FT			440-450 FT			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		
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	1100000		190000	6000000		940000	370000		94000	220000		94000	360000		94000	400000		94000	330000		94000	3400000		940000	1700000		190000	5300000		2300000	2900000		940000
	C9-C10 AROMATIC HYDROCARBONS	ND	U	210000	ND	U	1100000	ND	U	110000	ND	U	110000	ND	U	110000	ND	U	110000	ND	U	110000	ND	U	1100000	ND	U	210000	ND	U	2700000	ND	U	1100000
	C9-C12 ALIPHATIC HYDROCARBONS	ND	U	300000	ND	U	1500000	ND	U	150000	ND	U	150000	ND	U	150000	ND	U	150000	ND	U	150000	ND	U	1500000	ND	U	300000	ND	U	3800000	480000	J	1500000
VOCs (ppbv) Method TO15	1,1,1-TRICHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800
	1,1,2,2-TETRACHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800
	1,1,2-TRICHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800
	1,1-DICHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800
	1,1-DICHLOROETHENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800
	1,2,4-TRICHLOROBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800
	1,2,4-TRIMETHYLBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800
	1,2-DIBROMOETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800
	1,2-DICHLOROBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800
	1,2-DICHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800
	1,2-DICHLOROPROPANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800
	1,3,5-TRIMETHYLBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800
	1,3-DICHLOROBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800
	1,4-DICHLOROBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800
	2-BUTANONE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800
	2-HEXANONE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800
	4-METHYL-2-PENTANONE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800
	ACETONE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	3200		800	ND	U	8000	ND	U	800	ND	U	8000	1200	J	800
	BENZENE	4000		800	19000		800	5800		800	4000		800	6000		800	7100		800	7400		800	18000		8000	4800		800	32000		8000	18000		800
	BENZENE, (CHLOROMETHYL)-	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800
	BROMODICHLOROMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800
	BROMOFORM	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800
	BROMOMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800
	CARBON DISULFIDE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800
	CARBON TETRACHLORIDE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800
	CHLOROBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800
	CHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800
	CHLOROFORM	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800
	CHLOROMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800
	CIS-1,2-DICHLOROETHENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800
	CIS-1,3-DICHLOROPROPENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800
	CYCLOHEXANE	6900		1600	37000		1600	8700		1600	5300		1600	9500		1600	13000		1600	19000		1600	42000		16000	15000		1600	75000		16000	33000		1600
	DIBROMOCHLOROMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800
	DICHLORODIFLUOROMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800
	ERYTHRENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800
	ETHYL ACETATE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800
	ETHYLBENZENE	ND	U	1600	1400	J	1600	ND	U	1600	ND	U	1600	ND	U	1600	ND	U	1600	ND	U	1600	ND	U	16000	ND	U	1600	ND	U	16000	3200		1600
	FREON 113	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800
	HEPTANE	1800		800	12000		800	7800		800	5500		800	8800		800	10000		800	17000		800	20000		8000	6200		800	45000		8000	25000		800
	HEXACHLOROBUTADIENE	ND	U	1600	ND	U	1600	ND	U	1600	ND	U	1600	ND	U	1600	ND	U	1600	ND	U	1600	ND	U	16000	ND	U	1600	ND	U	16000	ND	U	1600
	HEXANE	4500		1600	37000		1600	8300		1600	4600		1600	7500		1600	9900		1600	11000		1600	34000		16000	15000		1600	46000		16000	19000		1600
	M,P-XYLENES	890	J	1600	2300		1600	1200	J	1600	1100	J	1600	1700		1600	1600		1600	2000		1600	ND	U	16000	900	J	1600	8600	J	16000	6600		1600
	METHYL TERT-BUTYL ETHER	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800
	METHYLENE CHLORIDE	ND	U	4000	ND	U	4000	ND	U	4000	ND	U	4000	ND	U	4000	ND	U	4000	ND	U	4000	ND	U	40000	ND	U	4000	73000		40000	ND	U	4000
	NAPHTHALENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800
	O-XYLENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000	2000		800
	PROPYLENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800
	STYRENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800
	TETRACHLOROETHENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800
	THF	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800
	TOLUENE	6900		800	58000		8000	11000		800	9000		800	13000		800	14000		800	17000		800	36000		8000	8100		800	61000		8000	86000		8000
	TRANS-1,2-DICHLOROETHENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800
	TRANS-1,3-DICHLOROPROPENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800
	TRICHLOROETHENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800
	TRICHLOROFLUOROMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800
	VINYL ACETATE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800
	VINYL CHLORIDE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800
	XYLENES	890	J	2400	2300	J	2400	1200	J	2400	1100	J	2400	1700	J	2400	1600	J	2400	2000	J	2400	ND	U	24000	900	J	2400	8600	J	24000	8700		2400
FIXED GASES Method D2504 (Percent)	CARBON DIOXIDE	0.22		0.1	0.21		0.1	0.4		0.1	0.56		0.1	0.12		0.1	0.1		0.1	0.19		0.1	0.15		0.1	0.18		0.1	0.9		0.1	1		0.1
	CMD	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		0.1	79		0.1	79		0.1	78		0.1	78		0.1	79		0.1	79		0.1	79		0.1	79		0.1	78		0.1	78		0.1
	OXYGEN	20		0.1	20		0.1	20		0.1	20		0.1	20		0.1	20		0.1	20		0.1	20		0.1	19		0.1	20		0.1	19		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
April - June 2012

	LOCATION CODE	KAFB-106122-150			KAFB-106122-250			KAFB-106122-350			KAFB-106122-450			KAFB-106123-025			KAFB-106123-050			KAFB-106123-050			KAFB-106123-150			KAFB-106123-250			KAFB-106123-350			KAFB-106123-450		
	SAMPLE NO	VA1493			VA1494			VA1495			VA1496			VA1497			VA1498			VA1499			VA1500			VA1501			VA1502			VA1503		
	SAMPLE DATE	12-Jun-12			12-Jun-12			12-Jun-12			12-Jun-12			16-May-12			16-May-12			16-May-12			16-May-12			16-May-12			16-May-12			16-May-12		
	SAMPLE PURPOSE	REG			REG			REG			REG			REG			REG			FD			REG			REG			REG			REG		
	SAMPLE DEPTH	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			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	1500000		190000	1100000		190000	910000		94000	7400000		2300000	90000		47000	25000		4700	40000		4700	27000		4700	18000		4700	17000		4700	19000		4700
	C9-C10 AROMATIC HYDROCARBONS	ND	U	210000	ND	U	210000	ND	U	110000	ND	U	2700000	ND	U	53000	ND	U	5300	ND	U	5300	ND	U	5300	ND	U	5300	ND	U	5300	ND	U	5300
	C9-C12 ALIPHATIC HYDROCARBONS	330000		300000	280000	J	300000	200000		150000	ND	U	3800000	ND	U	76000	4300	J	7600	4500	J	7600	4000	J	7600	2500	J	7600	2600	J	7600	2000	J	7600
VOCs (ppbv) Method TO15	1,1,1-TRICHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	2000	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	1,1,2,2-TETRACHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	2000	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	1,1,2-TRICHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	2000	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	1,1-DICHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	2000	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	1,1-DICHLOROETHENE	ND	U	800	ND	U	800	ND	U	800	ND	U	2000	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	1,2,4-TRICHLOROBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	2000	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	1,2,4-TRIMETHYLBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	2000	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	1,2-DIBROMOETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	2000	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	1,2-DICHLOROBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	2000	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	1,2-DICHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	2000	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	1,2-DICHLOROPROPANE	ND	U	800	ND	U	800	ND	U	800	ND	U	2000	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	1,3,5-TRIMETHYLBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	2000	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	1,3-DICHLOROBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	2000	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	1,4-DICHLOROBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	2000	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	2-BUTANONE	ND	U	800	ND	U	800	ND	U	800	ND	U	2000	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	2-HEXANONE	ND	U	800	ND	U	800	ND	U	800	ND	U	2000	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	4-METHYL-2-PENTANONE	ND	U	800	ND	U	800	ND	U	800	ND	U	2000	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	ACETONE	1900	J	800	2100	J	800	970	J	800	3100		2000	410		200	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	BENZENE	14000		800	8400		800	7300		800	12000		2000	890		200	330		40	460		40	200		40	220		40	160		40	240		40
	BENZENE, (CHLOROMETHYL)-	ND	U	800	ND	U	800	ND	U	800	ND	U	2000	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	BROMODICHLOROMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	2000	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	BROMOFORM	ND	U	800	ND	U	800	ND	U	800	ND	U	2000	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	BROMOMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	2000	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	CARBON DISULFIDE	ND	U	800	ND	U	800	ND	U	800	ND	U	2000	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	CARBON TETRACHLORIDE	ND	U	800	ND	U	800	ND	U	800	ND	U	2000	ND	U	200	50		40	44		40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	CHLOROBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	2000	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	CHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	2000	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	CHLOROFORM	ND	U	800	ND	U	800	ND	U	800	ND	U	2000	ND	U	200	ND	U	40	40		40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	CHLOROMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	2000	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	CIS-1,2-DICHLOROETHENE	ND	U	800	ND	U	800	ND	U	800	ND	U	2000	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	CIS-1,3-DICHLOROPROPENE	ND	U	800	ND	U	800	ND	U	800	ND	U	2000	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	CYCLOHEXANE	25000		1600	16000		1600	13000		1600	33000		4000	610		400	250		80	460		80	180		80	190		80	170		80	250		80
	DIBROMOCHLOROMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	2000	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	DICHLORODIFLUOROMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	2000	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	ERYTHRENE	ND	U	800	ND	U	800	ND	U	800	ND	U	2000	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	ETHYL ACETATE	ND	U	800	ND	U	800	ND	U	800	ND	U	2000	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	ETHYLBENZENE	3600		1600	2200		1600	2000		1600	ND	U	4000	ND	U	400	ND	U	80	42	J	80	ND	U	80	ND	U	80	ND	U	80	44	J	80
	FREON 113	ND	U	800	ND	U	800	ND	U	800	ND	U	2000	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	HEPTANE	19000		800	12000		800	10000		800	13000		2000	ND	U	200	50		40	89		40	ND	U	40	ND	U	40	ND	U	40	88		40
	HEXACHLOROBUTADIENE	ND	U	1600	ND	U	1600	ND	U	1600	ND	U	4000	ND	U	400	ND	U	80	ND	U	80	ND	U	80	ND	U	80	ND	U	80	ND	U	80
	HEXANE	14000		1600	8800		1600	6900		1600	31000		4000	430		400	110		80	160		80	ND	U	80	ND	U	80	ND	U	80	160		80
	M,P-XYLENES	7500		1600	4700		1600	4300		1600	3900	J	4000	280	J	400	110		80	160		80	67	J	80	120		80	110		80	110		80
	METHYL TERT-BUTYL ETHER	ND	U	800	ND	U	800	ND	U	800	ND	U	2000	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	METHYLENE CHLORIDE	2000	J	4000	2000	J	4000	ND	U	4000	92000		10000	930	J	1000	ND	U	200	ND	U	200	ND	U	200	ND	U	200	ND	U	200	ND	U	200
	NAPHTHALENE	ND	U	800	ND	U	800	ND	U	800	ND	U	2000	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	O-XYLENE	2400		800	1500		800	1400		800	ND	U	2000	ND	U	200	66		40	88		40	ND	U	40	68		40	65		40	54		40
	PROPYLENE	ND	U	800	ND	U	800	ND	U	800	ND	U	2000	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	STYRENE	ND	U	800	ND	U	800	ND	U	800	ND	U	2000	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	TETRACHLOROETHENE	ND	U	800	ND	U	800	ND	U	800	ND	U	2000	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	THF	ND	U	800	ND	U	800	ND	U	800	ND	U	2000	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	TOLUENE	36000		8000	26000		800	22000		800	28000		2000	3500		200	1400		40	1900		40	680		40	1100		40	920		40	1100		40
	TRANS-1,2-DICHLOROETHENE	ND	U	800	ND	U	800	ND	U	800	ND	U	2000	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	TRANS-1,3-DICHLOROPROPENE	ND	U	800	ND	U	800	ND	U	800	ND	U	2000	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	TRICHLOROETHENE	ND	U	800	ND	U	800	ND	U	800	ND	U	2000	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	TRICHLOROFLUOROMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	2000	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	VINYL ACETATE	ND	U	800	ND	U	800	ND	U	800	ND	U	2000	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	VINYL CHLORIDE	ND	U	800	ND	U	800	ND	U	800	ND	U	2000	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	XYLENES	9900		2400	6200		2400	5700		2400	3900	J	6000	280	J	600	180		120	250		120	67	J	120	190		120	180		120	160		120
FIXED GASES Method D2504 (Percent)	CARBON DIOXIDE	0.24		0.1	0.26		0.1	0.41		0.1	0.11		0.1	0.9		0.1	0.8		0.1	0.47		0.1	0.18		0.1	0.22		0.1	0.23		0.1	0.48		0.1
	CMD	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		0.1	78		0.1	77		0.1	77		0.1	80		0.1	80		0.1	80		0.1	82		0.1	80		0.1	81		0.1	80		0.1
	OXYGEN	20		0.1	20		0.1	20		0.1	21		0.1	20		0.1	20		0.1	20		0.1	20		0.1	20		0.1	20		0.1	20		0.1

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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
April - June 2012

	LOCATION CODE	KAFB-106124-025			KAFB-106124-050			KAFB-106124-150			KAFB-106124-250			KAFB-106124-250			KAFB-106124-350			KAFB-106124-450			KAFB-106125-025			KAFB-106125-050			KAFB-106125-150			KAFB-106125-250		
	SAMPLE NO	VA1504			VA1505			VA1506			VA1507			VA1508			VA1509			VA1510			VA1511			VA1512			VA1513			VA1514		
	SAMPLE DATE	31-May-12			31-May-12			31-May-12			31-May-12			31-May-12			31-May-12			31-May-12			14-May-12			14-May-12			14-May-12			14-May-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			340-350 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) Method MADEP APH	C5-C8 ALIPHATIC HYDROCARBONS	240000		94000	440000		190000	1100000		190000	590000		190000	640000		190000	830000		190000	6500000		2300000	7900		1900	10000		1900	9500		1900	7900		1900
	C9-C10 AROMATIC HYDROCARBONS	ND	U	110000	ND	U	210000	ND	U	210000	ND	U	210000	ND	U	210000	ND	U	210000	ND	U	2700000	ND	U	2100	ND	U	2100	ND	U	2100	ND	U	2100
	C9-C12 ALIPHATIC HYDROCARBONS	ND	U	150000	ND	U	300000	ND	U	300000	ND	U	300000	ND	U	300000	ND	U	300000	ND	U	3800000	2800	J	3000	3300		3000	4500		3000	2800	J	3000
VOCs (ppbv) Method TO15	1,1,1-TRICHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	4	ND	U	4	ND	U	4	ND	U	4
	1,1,2,2-TETRACHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	4	ND	U	4	ND	U	4	ND	U	4
	1,1,2-TRICHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	4	ND	U	4	ND	U	4	ND	U	4
	1,1-DICHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	4	ND	U	4	ND	U	4	ND	U	4
	1,1-DICHLOROETHENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	4	ND	U	4	ND	U	4	ND	U	4
	1,2,4-TRICHLOROBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	4	ND	U	4	ND	U	4	ND	U	4
	1,2,4-TRIMETHYLBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	4.3		4	7.1		4	5.7		4	5.1		4
	1,2-DIBROMOETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	4	ND	U	4	ND	U	4	ND	U	4
	1,2-DICHLOROBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	4	ND	U	4	ND	U	4	ND	U	4
	1,2-DICHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	4	ND	U	4	ND	U	4	ND	U	4
	1,2-DICHLOROPROPANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	4	ND	U	4	ND	U	4	ND	U	4
	1,3,5-TRIMETHYLBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	4	4		4	ND	U	4	ND	U	4
	1,3-DICHLOROBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	4	ND	U	4	ND	U	4	ND	U	4
	1,4-DICHLOROBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	4	ND	U	4	ND	U	4	ND	U	4
	2-BUTANONE	ND	U	800	ND	U	800	820		800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	4	ND	U	4	ND	U	4	ND	U	4
	2-HEXANONE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	4	ND	U	4	ND	U	4	ND	U	4
	4-METHYL-2-PENTANONE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	4	ND	U	4	ND	U	4	ND	U	4
	ACETONE	ND	U	800	910		800	1600		800	860		800	1100		800	820		800	ND	U	8000	ND	U	4	ND	U	4	ND	U	4	ND	U	4
	BENZENE	1700		800	3400		800	6400		800	3800		800	4200		800	2500		800	10000		8000	ND	U	4	ND	U	4	ND	U	4	ND	U	4
	BENZENE, (CHLOROMETHYL)-	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	4	ND	U	4	ND	U	4	ND	U	4
	BROMODICHLOROMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	4	7.2		4	ND	U	4	ND	U	4
	BROMOFORM	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	4	ND	U	4	ND	U	4	ND	U	4
	BROMOMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	4	ND	U	4	ND	U	4	ND	U	4
	CARBON DISULFIDE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	4	ND	U	4	ND	U	4	ND	U	4
	CARBON TETRACHLORIDE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	4	14		4	ND	U	4	ND	U	4
	CHLOROBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	4	ND	U	4	ND	U	4	ND	U	4
	CHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	4	ND	U	4	ND	U	4	ND	U	4
	CHLOROFORM	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	4	140		4	5.4		4	ND	U	4
	CHLOROMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	4	ND	U	4	ND	U	4	ND	U	4
	CIS-1,2-DICHLOROETHENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	4	ND	U	4	ND	U	4	ND	U	4
	CIS-1,3-DICHLOROPROPENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	4	ND	U	4	ND	U	4	ND	U	4
	CYCLOHEXANE	4000		1600	8200		1600	20000		1600	10000		1600	12000		1600	7400		1600	40000		16000	ND	U	8	ND	U	8	ND	U	8	ND	U	8
	DIBROMOCHLOROMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	4	ND	U	4	ND	U	4	ND	U	4
	DICHLORODIFLUOROMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	4	ND	U	4	ND	U	4	ND	U	4
	ERYTHRENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	4	ND	U	4	ND	U	4	ND	U	4
	ETHYL ACETATE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	4	ND	U	4	ND	U	4	ND	U	4
	ETHYLBENZENE	900	J	1600	1800		1600	3000		1600	2100		1600	2500		1600	1600		1600	ND	U	16000	ND	U	8	ND	U	8	ND	U	8	ND	U	8
	FREON 113	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	4	ND	U	4	ND	U	4	ND	U	4
	HEPTANE	6900		800	15000		800	29000		800	16000		800	18000		800	10000		800	33000		8000	ND	U	4	ND	U	4	ND	U	4	ND	U	4
	HEXACHLOROBUTADIENE	ND	U	1600	ND	U	1600	ND	U	1600	ND	U	1600	ND	U	1600	ND	U	1600	ND	U	16000	ND	U	8	ND	U	8	ND	U	8	ND	U	8
	HEXANE	1700		1600	3000		1600	6500		1600	3200		1600	3700		1600	3400		1600	28000		16000	ND	U	8	ND	U	8	ND	U	8	ND	U	8
	M,P-XYLENES	2500		1600	4800		1600	8000		1600	5600		1600	6700		1600	4200		1600	14000	J	16000	ND	U	8	ND	U	8	ND	U	8	ND	U	8
	METHYL TERT-BUTYL ETHER	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	4	ND	U	4	ND	U	4	ND	U	4
	METHYLENE CHLORIDE	ND	U	4000	ND	U	4000	ND	U	4000	ND	U	4000	ND	U	4000	ND	U	4000	ND	U	40000	ND	U	20	ND	U	20	ND	U	20	ND	U	20
	NAPHTHALENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	4	ND	U	4	ND	U	4	ND	U	4
	O-XYLENE	ND	U	800	1300		800	2200		800	1600		800	1800		800	1200		800	ND	U	8000	ND	U	4	ND	U	4	ND	U	4	ND	U	4
	PROPYLENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	4	ND	U	4	ND	U	4	ND	U	4
	STYRENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	4	ND	U	4	ND	U	4	ND	U	4
	TETRACHLOROETHENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	4	ND	U	4	ND	U	4	ND	U	4
	THF	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	4	ND	U	4	ND	U	4	ND	U	4
	TOLUENE	12000		800	26000		800	70000		8000	29000		800	33000		800	20000		800	67000		8000	ND	U	4	ND	U	4	ND	U	4	ND	U	4
	TRANS-1,2-DICHLOROETHENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	4	ND	U	4	ND	U	4	ND	U	4
	TRANS-1,3-DICHLOROPROPENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	4	ND	U	4	ND	U	4	ND	U	4
	TRICHLOROETHENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	4	ND	U	4	ND	U	4	ND	U	4
	TRICHLOROFLUOROMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	4	ND	U	4	ND	U	4	ND	U	4
	VINYL ACETATE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	4	ND	U	4	ND	U	4	ND	U	4
	VINYL CHLORIDE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	4	ND	U	4	ND	U	4	ND	U	4
	XYLENES	2500		2400	6200		2400	10000		2400	7200		2400	8600		2400	5400		2400	14000	J	24000	ND	U	12	ND	U	12	ND	U	12	ND	U	12
FIXED GASES Method D2504 (Percent)	CARBON DIOXIDE	0.75		0.1	0.59		0.1	0.089	J	0.1	0.12		0.1	0.091	J	0.1	0.13		0.1	0.19		0.1	0.32		0.1	2		0.1	0.28		0.1	0.14		0.1
	CMD	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		0.1	79		0.1	78		0.1	79		0.1	79		0.1	79		0.1	79		0.1	79		0.1	80		0.1	81		0.1	80		0.1
	OXYGEN	20		0.1	20		0.1	20		0.1	20		0.1	20		0.1	20		0.1	20		0.1	21		0.1	18		0.1	19		0.1	20		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
April - June 2012

	LOCATION CODE	KAFB-106125-350			KAFB-106125-450			KAFB-106126-025			KAFB-106126-050			KAFB-106126-150			KAFB-106126-250			KAFB-106126-350			KAFB-106126-350			KAFB-106126-450			KAFB-106127-025			KAFB-106127-050		
	SAMPLE NO	VA1515			VA1516			VA1517			VA1518			VA1519			VA1520			VA1521			VA1522			VA1523			VA1524			VA1525		
	SAMPLE DATE	14-May-12			14-May-12			14-May-12			14-May-12			14-May-12			14-May-12			15-May-12			15-May-12			15-May-12			14-May-12			14-May-12		
	SAMPLE PURPOSE	REG			REG			REG			REG			REG			REG			REG			FD			REG			REG			REG		
	SAMPLE DEPTH	340-350 FT			440-450 FT			15-25 FT			40-50 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	2000000		940000	5100000		940000	130000		47000	130000		47000	96000		47000	52000		23000	170000		47000	150000		47000	1600000		190000	43000		23000	47000		23000
	C9-C10 AROMATIC HYDROCARBONS	ND	U	1100000	ND	U	1100000	ND	U	53000	ND	U	53000	ND	U	53000	ND	U	27000	ND	U	53000	ND	U	53000	ND	U	210000	ND	U	27000	ND	U	27000
	C9-C12 ALIPHATIC HYDROCARBONS	ND	U	1500000	ND	U	1500000	ND	U	76000	ND	U	76000	ND	U	76000	ND	U	38000	ND	U	76000	ND	U	76000	ND	U	300000	ND	U	38000	ND	U	38000
VOCs (ppbv) Method TO15	1,1,1-TRICHLOROETHANE	ND	U	800	ND	U	800	ND	U	200	ND	U	200	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40	ND	U	40
	1,1,2,2-TETRACHLOROETHANE	ND	U	800	ND	U	800	ND	U	200	ND	U	200	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40	ND	U	40
	1,1,2-TRICHLOROETHANE	ND	U	800	ND	U	800	ND	U	200	ND	U	200	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40	ND	U	40
	1,1-DICHLOROETHANE	ND	U	800	ND	U	800	ND	U	200	ND	U	200	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40	ND	U	40
	1,1-DICHLOROETHENE	ND	U	800	ND	U	800	ND	U	200	ND	U	200	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40	ND	U	40
	1,2,4-TRICHLOROBENZENE	ND	U	800	ND	U	800	ND	U	200	ND	U	200	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40	ND	U	40
	1,2,4-TRIMETHYLBENZENE	ND	U	800	ND	U	800	ND	U	200	ND	U	200	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40	ND	U	40
	1,2-DIBROMOETHANE	ND	U	800	ND	U	800	ND	U	200	ND	U	200	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40	ND	U	40
	1,2-DICHLOROBENZENE	ND	U	800	ND	U	800	ND	U	200	ND	U	200	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40	ND	U	40
	1,2-DICHLOROETHANE	ND	U	800	ND	U	800	ND	U	200	ND	U	200	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40	ND	U	40
	1,2-DICHLOROPROPANE	ND	U	800	ND	U	800	ND	U	200	ND	U	200	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40	ND	U	40
	1,3,5-TRIMETHYLBENZENE	ND	U	800	ND	U	800	ND	U	200	ND	U	200	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40	ND	U	40
	1,3-DICHLOROBENZENE	ND	U	800	ND	U	800	ND	U	200	ND	U	200	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40	ND	U	40
	1,4-DICHLOROBENZENE	ND	U	800	ND	U	800	ND	U	200	ND	U	200	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40	ND	U	40
	2-BUTANONE	ND	U	800	ND	U	800	ND	U	200	ND	U	200	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40	ND	U	40
	2-HEXANONE	ND	U	800	ND	U	800	ND	U	200	ND	U	200	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40	ND	U	40
	4-METHYL-2-PENTANONE	ND	U	800	ND	U	800	ND	U	200	ND	U	200	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40	ND	U	40
	ACETONE	ND	U	800	ND	U	800	ND	U	200	ND	U	200	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40	ND	U	40
	BENZENE	ND	U	800	2400		800	ND	U	200	ND	U	200	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40	ND	U	40
	BENZENE, (CHLOROMETHYL)-	ND	U	800	ND	U	800	ND	U	200	ND	U	200	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40	ND	U	40
	BROMODICHLOROMETHANE	ND	U	800	ND	U	800	ND	U	200	ND	U	200	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40	ND	U	40
	BROMOFORM	ND	U	800	ND	U	800	ND	U	200	ND	U	200	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40	ND	U	40
	BROMOMETHANE	ND	U	800	ND	U	800	ND	U	200	ND	U	200	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40	ND	U	40
	CARBON DISULFIDE	ND	U	800	ND	U	800	ND	U	200	ND	U	200	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40	ND	U	40
	CARBON TETRACHLORIDE	ND	U	800	ND	U	800	ND	U	200	ND	U	200	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40	ND	U	40
	CHLOROBENZENE	ND	U	800	ND	U	800	ND	U	200	ND	U	200	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40	ND	U	40
	CHLOROETHANE	ND	U	800	ND	U	800	ND	U	200	ND	U	200	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40	ND	U	40
	CHLOROFORM	ND	U	800	ND	U	800	ND	U	200	ND	U	200	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40	67		40
	CHLOROMETHANE	ND	U	800	ND	U	800	ND	U	200	ND	U	200	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40	ND	U	40
	CIS-1,2-DICHLOROETHENE	ND	U	800	ND	U	800	ND	U	200	ND	U	200	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40	ND	U	40
	CIS-1,3-DICHLOROPROPENE	ND	U	800	ND	U	800	ND	U	200	ND	U	200	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40	ND	U	40
	CYCLOHEXANE	4700		1600	17000		1600	ND	U	400	ND	U	400	ND	U	400	ND	U	80	ND	U	80	ND	U	80	4300		1600	ND	U	80	460		80
	DIBROMOCHLOROMETHANE	ND	U	800	ND	U	800	ND	U	200	ND	U	200	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40	ND	U	40
	DICHLORODIFLUOROMETHANE	ND	U	800	ND	U	800	ND	U	200	ND	U	200	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40	ND	U	40
	ERYTHRENE	ND	U	800	ND	U	800	ND	U	200	ND	U	200	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40	ND	U	40
	ETHYL ACETATE	ND	U	800	ND	U	800	ND	U	200	ND	U	200	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40	ND	U	40
	ETHYLBENZENE	ND	U	1600	ND	U	1600	ND	U	400	ND	U	400	ND	U	400	ND	U	80	ND	U	80	ND	U	80	ND	U	1600	48	J	80	ND	U	80
	FREON 113	ND	U	800	ND	U	800	ND	U	200	ND	U	200	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40	ND	U	40
	HEPTANE	ND	U	800	4400		800	220		200	ND	U	200	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40	ND	U	40
	HEXACHLOROBUTADIENE	ND	U	1600	ND	U	1600	ND	U	400	ND	U	400	ND	U	400	ND	U	80	ND	U	80	ND	U	80	ND	U	1600	ND	U	80	ND	U	80
	HEXANE	5900		1600	18000		1600	ND	U	400	ND	U	400	ND	U	400	ND	U	80	ND	U	80	ND	U	80	4900		1600	ND	U	80	ND	U	80
	M,P-XYLENES	ND	U	1600	ND	U	1600	ND	U	400	ND	U	400	210	J	400	ND	U	80	ND	U	80	ND	U	80	ND	U	1600	150		80	ND	U	80
	METHYL TERT-BUTYL ETHER	ND	U	800	ND	U	800	ND	U	200	ND	U	200	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40	ND	U	40
	METHYLENE CHLORIDE	2900	J	4000	2400	J	4000	2900		1000	1100		1000	1400		1000	ND	U	200	ND	U	200	ND	U	200	ND	U	4000	ND	U	200	ND	U	200
	NAPHTHALENE	ND	U	800	ND	U	800	ND	U	200	ND	U	200	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40	ND	U	40
	O-XYLENE	ND	U	800	ND	U	800	ND	U	200	ND	U	200	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	800	53		40	ND	U	40
	PROPYLENE	2700		800	2200		800	ND	U	200	ND	U	200	ND	U	200	ND	U	40	170		40	120		40	870		800	ND	U	40	ND	U	40
	STYRENE	ND	U	800	ND	U	800	ND	U	200	ND	U	200	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40	ND	U	40
	TETRACHLOROETHENE	ND	U	800	ND	U	800	ND	U	200	ND	U	200	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40	ND	U	40
	THF	ND	U	800	ND	U	800	ND	U	200	ND	U	200	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40	ND	U	40
	TOLUENE	1100		800	6200		800	ND	U	200	ND	U	200	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40	ND	U	40
	TRANS-1,2-DICHLOROETHENE	ND	U	800	ND	U	800	ND	U	200	ND	U	200	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40	ND	U	40
	TRANS-1,3-DICHLOROPROPENE	ND	U	800	ND	U	800	ND	U	200	ND	U	200	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40	ND	U	40
	TRICHLOROETHENE	ND	U	800	ND	U	800	ND	U	200	ND	U	200	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40	ND	U	40
	TRICHLOROFLUOROMETHANE	ND	U	800	ND	U	800	ND	U	200	ND	U	200	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40	ND	U	40
	VINYL ACETATE	ND	U	800	ND	U	800	ND	U	200	ND	U	200	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40	ND	U	40
	VINYL CHLORIDE	ND	U	800	ND	U	800	ND	U	200	ND	U	200	ND	U	200	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40	ND	U	40
	XYLENES	ND	U	2400	ND	U	2400	ND	U	600	ND	U	600	210	J	600	ND	U	120	ND	U	120	ND	U	120	ND	U	2400	210		120	ND	U	120
FIXED GASES Method D2504 (Percent)	CARBON DIOXIDE	0.15		0.1	ND	U	0.1	0.65		0.1	0.7		0.1	0.18		0.1	ND	U	0.1	0.085	J	0.1	ND	U	0.1	0.14		0.1	ND	U	0.1	0.42		0.1
	CMD	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		0.1	79		0.1	80		0.1	80		0.1	80		0.1	79		0.1	80		0.1	79		0.1	80		0.1	80		0.1	80		0.1
	OXYGEN	20		0.1	21		0.1	20		0.1	20		0.1	20		0.1	21		0.1	21		0.1	21		0.1	20		0.1	21		0.1	20		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
April - June 2012

	LOCATION CODE	KAFB-106127-150			KAFB-106127-250			KAFB-106127-350			KAFB-106127-450			KAFB-106128-025			KAFB-106128-050			KAFB-106128-150			KAFB-106128-150			KAFB-106128-250			KAFB-106128-350			KAFB-106128-450		
	SAMPLE NO	VA1526			VA1527			VA1528			VA1529			VA1530			VA1531			VA1532			VA1533			VA1534			VA1535			VA1536		
	SAMPLE DATE	14-May-12			14-May-12			14-May-12			15-May-12			5-Jun-12			5-Jun-12			6-Jun-12			6-Jun-12			6-Jun-12			6-Jun-12			6-Jun-12		
	SAMPLE PURPOSE	REG			REG			REG			REG			REG			REG			REG			FD			REG			REG			REG		
	SAMPLE DEPTH	140-150 FT			240-250 FT			340-350 FT			440-450 FT			15-25 FT			40-50 FT			140-150 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	71000		23000	48000		23000	1200000		190000	1600000		190000	230000		94000	160000		47000	76000		23000	110000		23000	62000		23000	1.7E+07		2300000	3.1E+07		9400000
	C9-C10 AROMATIC HYDROCARBONS	ND	U	27000	ND	U	27000	ND	U	210000	ND	U	210000	ND	U	110000	ND	U	53000	ND	U	27000	ND	U	27000	ND	U	27000	ND	U	2700000	ND	U	1.1E+07
	C9-C12 ALIPHATIC HYDROCARBONS	11000	J	38000	ND	U	38000	ND	U	300000	ND	U	300000	ND	U	150000	400000		76000	ND	U	38000	ND	U	38000	ND	U	38000	ND	U	3800000	ND	U	1.5E+07
VOCs (ppbv) Method TO15	1,1,1-TRICHLOROETHANE	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	800	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	20000	ND	U	80000
	1,1,2,2-TETRACHLOROETHANE	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	800	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	20000	ND	U	80000
	1,1,2-TRICHLOROETHANE	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	800	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	20000	ND	U	80000
	1,1-DICHLOROETHANE	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	800	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	20000	ND	U	80000
	1,1-DICHLOROETHENE	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	800	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	20000	ND	U	80000
	1,2,4-TRICHLOROBENZENE	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	800	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	20000	ND	U	80000
	1,2,4-TRIMETHYLBENZENE	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	800	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	20000	ND	U	80000
	1,2-DIBROMOETHANE	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	800	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	20000	ND	U	80000
	1,2-DICHLOROBENZENE	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	800	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	20000	ND	U	80000
	1,2-DICHLOROETHANE	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	800	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	20000	ND	U	80000
	1,2-DICHLOROPROPANE	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	800	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	20000	ND	U	80000
	1,3,5-TRIMETHYLBENZENE	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	800	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	20000	ND	U	80000
	1,3-DICHLOROBENZENE	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	800	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	20000	ND	U	80000
	1,4-DICHLOROBENZENE	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	800	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	20000	ND	U	80000
	2-BUTANONE	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	800	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	20000	ND	U	80000
	2-HEXANONE	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	800	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	20000	ND	U	80000
	4-METHYL-2-PENTANONE	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	800	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	20000	ND	U	80000
	ACETONE	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	800	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	20000	ND	U	80000
	BENZENE	ND	U	40	ND	U	40	ND	U	400	ND	U	400	1200		800	780		400	450		40	580		40	300		40	240000		20000	640000		80000
	BENZENE, (CHLOROMETHYL)-	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	800	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	20000	ND	U	80000
	BROMODICHLOROMETHANE	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	800	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	20000	ND	U	80000
	BROMOFORM	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	800	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	20000	ND	U	80000
	BROMOMETHANE	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	800	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	20000	ND	U	80000
	CARBON DISULFIDE	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	800	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	20000	ND	U	80000
	CARBON TETRACHLORIDE	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	800	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	20000	ND	U	80000
	CHLOROBENZENE	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	800	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	20000	ND	U	80000
	CHLOROETHANE	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	800	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	20000	ND	U	80000
	CHLOROFORM	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	800	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	20000	ND	U	80000
	CHLOROMETHANE	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	800	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	20000	ND	U	80000
	CIS-1,2-DICHLOROETHENE	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	800	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	20000	ND	U	80000
	CIS-1,3-DICHLOROPROPENE	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	800	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	20000	ND	U	80000
	CYCLOHEXANE	ND	U	80	ND	U	80	4000		800	4100		800	3300		1600	2100		800	1200		80	1700		80	770		80	640000		40000	1400000		160000
	DIBROMOCHLOROMETHANE	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	800	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	20000	ND	U	80000
	DICHLORODIFLUOROMETHANE	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	800	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	20000	ND	U	80000
	ERYTHRENE	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	800	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	20000	ND	U	80000
	ETHYL ACETATE	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	800	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	20000	ND	U	80000
	ETHYLBENZENE	ND	U	80	ND	U	80	ND	U	800	ND	U	800	ND	U	1600	ND	U	800	84		80	95		80	ND	U	80	ND	U	40000	ND	U	160000
	FREON 113	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	800	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	20000	ND	U	80000
	HEPTANE	ND	U	40	ND	U	40	ND	U	400	890		400	2100		800	1300		400	780		40	950		40	520		40	510000		20000	820000		80000
	HEXACHLOROBUTADIENE	ND	U	80	ND	U	80	ND	U	800	ND	U	800	ND	U	1600	ND	U	800	ND	U	80	ND	U	80	ND	U	80	ND	U	40000	ND	U	160000
	HEXANE	ND	U	80	ND	U	80	4000		800	4300		800	1800		1600	970		800	520		80	720		80	ND	U	80	430000		40000	1600000		160000
	M,P-XYLENES	96		80	ND	U	80	ND	U	800	ND	U	800	ND	U	1600	440	J	800	210		80	250		80	ND	U	80	24000	J	40000	ND	U	160000
	METHYL TERT-BUTYL ETHER	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	800	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	20000	ND	U	80000
	METHYLENE CHLORIDE	ND	U	200	ND	U	200	1600	J	2000	1200	J	2000	ND	U	4000	ND	U	2000	ND	U	200	ND	U	200	ND	U	200	ND	U	100000	ND	U	400000
	NAPHTHALENE	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	800	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	20000	ND	U	80000
	O-XYLENE	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	800	ND	U	400	72		40	88		40	ND	U	40	ND	U	20000	ND	U	80000
	PROPYLENE	ND	U	40	ND	U	40	1600		400	410		400	ND	U	800	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	20000	ND	U	80000
	STYRENE	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	800	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	20000	ND	U	80000
	TETRACHLOROETHENE	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	800	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	20000	ND	U	80000
	THF	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	800	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	20000	ND	U	80000
	TOLUENE	ND	U	40	ND	U	40	ND	U	400	1000		400	3600		800	2500		400	ND	U	40	ND	U	40	ND	U	40	460000		20000	640000		80000
	TRANS-1,2-DICHLOROETHENE	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	800	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	20000	ND	U	80000
	TRANS-1,3-DICHLOROPROPENE	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	800	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	20000	ND	U	80000
	TRICHLOROETHENE	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	800	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	20000	ND	U	80000
	TRICHLOROFLUOROMETHANE	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	800	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	20000	ND	U	80000
	VINYL ACETATE	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	800	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	20000	ND	U	80000
	VINYL CHLORIDE	ND	U	40	ND	U	40	ND	U	400	ND	U	400	ND	U	800	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	20000	ND	U	80000
	XYLENES	ND	U	120	ND	U	120	ND	U	1200	ND	U	1200	ND	U	2400	440	J	1200	280		120	340		120	ND	U	120	24000	J	60000	ND	U	240000
FIXED GASES Method D2504 (Percent)	CARBON DIOXIDE	0.14		0.1	ND	U	0.1	0.15		0.1	0.14		0.1	0.36		0.1	1.4		0.1	1.1		0.1	0.89		0.1	2.7		0.1	0.95		0.1	0.058	J	0.1
	CMD	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		0.1	80		0.1	81		0.1	80		0.1	79		0.1	80		0.1	80		0.1	80		0.1	82		0.1	81		0.1	79		0.1
	OXYGEN	20		0.1	21		0.1	20		0.1	20		0.1	21		0.1	19		0.1	19		0.1	20		0.1	16		0.1	18		0.1	22		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).

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RL = Reporting Limit.

Table 4-2
Soil Vapor Analytical Results
April - June 2012

	LOCATION CODE	KAFB-106129-025			KAFB-106129-050			KAFB-106129-150			KAFB-106129-250			KAFB-106129-350			KAFB-106129-450			KAFB-106130-025			KAFB-106130-050			KAFB-106130-050			KAFB-106130-150			KAFB-106130-250		
	SAMPLE NO	VA1537			VA1538			VA1539			VA1540			VA1541			VA1542			VA1543			VA1544			VA1545			VA1546			VA1547		
	SAMPLE DATE	18-Jun-12			18-Jun-12			19-Jun-12			19-Jun-12			19-Jun-12			19-Jun-12			19-Jun-12			19-Jun-12			19-Jun-12			19-Jun-12			19-Jun-12		
	SAMPLE PURPOSE	REG			REG			REG			REG			REG			REG			REG			REG			FD			REG			REG		
	SAMPLE DEPTH	15-25 FT			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		
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	220000		94000	200000		47000	190000		47000	550000		94000	8900000		940000	2700000		940000	200000		47000	450000		47000	440000		94000	310000		94000	240000		47000
	C9-C10 AROMATIC HYDROCARBONS	ND	U	110000	ND	U	53000	ND	U	53000	ND	U	110000	ND	U	1100000	ND	U	1100000	ND	U	53000	ND	U	53000	ND	U	110000	ND	U	110000	ND	U	53000
	C9-C12 ALIPHATIC HYDROCARBONS	ND	U	150000	59000	J	76000	69000	J	76000	120000	J	150000	ND	U	1500000	ND	U	1500000	38000	J	76000	100000		76000	100000	J	150000	72000	J	150000	74000	J	76000
VOCs (ppbv) Method TO15	1,1,1-TRICHLOROETHANE	ND	U	400	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	1600	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	400
	1,1,2,2-TETRACHLOROETHANE	ND	U	400	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	1600	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	400
	1,1,2-TRICHLOROETHANE	ND	U	400	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	1600	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	400
	1,1-DICHLOROETHANE	ND	U	400	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	1600	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	400
	1,1-DICHLOROETHENE	ND	U	400	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	1600	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	400
	1,2,4-TRICHLOROBENZENE	ND	U	400	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	1600	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	400
	1,2,4-TRIMETHYLBENZENE	ND	U	400	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	1600	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	400
	1,2-DIBROMOETHANE	ND	U	400	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	1600	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	400
	1,2-DICHLOROBENZENE	ND	U	400	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	1600	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	400
	1,2-DICHLOROETHANE	ND	U	400	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	1600	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	400
	1,2-DICHLOROPROPANE	ND	U	400	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	1600	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	400
	1,3,5-TRIMETHYLBENZENE	ND	U	400	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	1600	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	400
	1,3-DICHLOROBENZENE	ND	U	400	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	1600	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	400
	1,4-DICHLOROBENZENE	ND	U	400	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	1600	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	400
	2-BUTANONE	ND	U	400	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	1600	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	400
	2-HEXANONE	ND	U	400	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	1600	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	400
	4-METHYL-2-PENTANONE	ND	U	400	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	1600	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	400
	ACETONE	500		400	ND	U	40	ND	U	400	ND	U	800	900		800	ND	U	1600	1400		400	610		400	1100		400	ND	U	800	ND	U	400
	BENZENE	510		400	240		40	490		400	1000		800	2400		800	27000		1600	900		400	2400		400	2200		400	1200		800	920		400
	BENZENE, (CHLOROMETHYL)-	ND	U	400	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	1600	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	400
	BROMODICHLOROMETHANE	ND	U	400	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	1600	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	400
	BROMOFORM	ND	U	400	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	1600	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	400
	BROMOMETHANE	ND	U	400	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	1600	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	400
	CARBON DISULFIDE	ND	U	400	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	1600	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	400
	CARBON TETRACHLORIDE	ND	U	400	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	1600	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	400
	CHLOROBENZENE	ND	U	400	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	1600	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	400
	CHLOROETHANE	ND	U	400	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	1600	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	400
	CHLOROFORM	ND	U	400	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	1600	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	400
	CHLOROMETHANE	ND	U	400	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	1600	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	400
	CIS-1,2-DICHLOROETHENE	ND	U	400	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	1600	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	400
	CIS-1,3-DICHLOROPROPENE	ND	U	400	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	1600	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	400
	CYCLOHEXANE	1700		800	820		80	1700		800	5000		1600	8800		1600	37000		3200	1500		800	4600		800	4600		800	2400		1600	1800		800
	DIBROMOCHLOROMETHANE	ND	U	400	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	1600	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	400
	DICHLORODIFLUOROMETHANE	ND	U	400	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	1600	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	400
	ERYTHRENE	ND	U	400	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	1600	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	400
	ETHYL ACETATE	ND	U	400	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	1600	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	400
	ETHYLBENZENE	ND	U	800	71	J	80	ND	U	800	ND	U	1600	ND	U	1600	ND	U	3200	ND	U	800	470	J	800	400	J	800	ND	U	1600	ND	U	800
	FREON 113	ND	U	400	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	1600	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	400
	HEPTANE	990		400	500		40	1000		400	1600		800	1600		800	28000		1600	1000		400	3100		400	2900		400	1700		800	1300		400
	HEXACHLOROBUTADIENE	ND	U	800	ND	U	80	ND	U	800	ND	U	1600	ND	U	1600	ND	U	3200	ND	U	800	ND	U	800	ND	U	800	ND	U	1600	ND	U	800
	HEXANE	630	J	800	270		80	620	J	800	1800		1600	6100		1600	23000		3200	1200		800	1700		800	1900		800	800	J	1600	570	J	800
	M,P-XYLENES	420	J	800	210		80	650	J	800	810	J	1600	ND	U	1600	2600	J	3200	ND	U	800	1300		800	1100		800	1000	J	1600	750	J	800
	METHYL TERT-BUTYL ETHER	ND	U	400	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	1600	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	400
	METHYLENE CHLORIDE	ND	U	2000	ND	U	200	ND	U	2000	ND	U	4000	9000		4000	ND	U	8000	2500		2000	ND	U	2000	1700	J	2000	ND	U	4000	ND	U	2000
	NAPHTHALENE	ND	U	400	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	1600	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	400
	O-XYLENE	ND	U	400	73		40	ND	U	400	ND	U	800	ND	U	800	ND	U	1600	ND	U	400	420		400	ND	U	400	ND	U	800	ND	U	400
	PROPYLENE	ND	U	400	ND	U	40	ND	U	400	ND	U	800	3600		800	ND	U	1600	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	400
	STYRENE	ND	U	400	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	1600	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	400
	TETRACHLOROETHENE	ND	U	400	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	1600	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	400
	THF	ND	U	400	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	1600	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	400
	TOLUENE	1700		400	890		40	2200		400	3300		800	4100		800	50000		1600	2200		400	9700		400	8400		400	5400		800	4200		400
	TRANS-1,2-DICHLOROETHENE	ND	U	400	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	1600	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	400
	TRANS-1,3-DICHLOROPROPENE	ND	U	400	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	1600	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	400
	TRICHLOROETHENE	ND	U	400	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	1600	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	400
	TRICHLOROFLUOROMETHANE	ND	U	400	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	1600	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	400
	VINYL ACETATE	ND	U	400	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	1600	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	400
	VINYL CHLORIDE	ND	U	400	ND	U	40	ND	U	400	ND	U	800	ND	U	800	ND	U	1600	ND	U	400	ND	U	400	ND	U	400	ND	U	800	ND	U	400
	XYLENES	420	J	1200	290	J	120	650	J	1200	810	J	2400	ND	U	2400	2600	J	4800	ND	U	1200	1700		1200	1100	J	1200	1000	J	2400	750	J	1200
FIXED GASES Method D2504 (Percent)	CARBON DIOXIDE	0.12		0.1	0.095	J	0.1	0.067	J	0.1	0.19		0.1	0.3		0.1	0.19		0.1	0.085	J	0.1	0.13		0.1	0.094	J	0.1	0.27		0.1	0.57		0.1
	CMD	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		0.1	78		0.1	77		0.1	77		0.1	78		0.1	79		0.1	77		0.1	77		0.1	77		0.1	78		0.1	78		0.1
	OXYGEN	21		0.1	21		0.1	21		0.1	20		0.1	19		0.1	19		0.1	21		0.1	20		0.1	21		0.1	19		0.1	19		0.1

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Soil Vapor Analytical Results
April - June 2012

	LOCATION CODE	KAFB-106130-350			KAFB-106130-450			KAFB-106131-025			KAFB-106131-055			KAFB-106131-150			KAFB-106131-245			KAFB-106131-245			KAFB-106131-350			KAFB-106131-450			KAFB-106132-025			KAFB-106132-050		
	SAMPLE NO	VA1548			VA1549			VA1550			VA1551			VA1552			VA1553			VA1554			VA1555			VA1556			VA1557			VA1558		
	SAMPLE DATE	19-Jun-12			19-Jun-12			20-Jun-12			20-Jun-12			20-Jun-12			20-Jun-12			20-Jun-12			21-Jun-12			21-Jun-12			21-May-12			21-May-12		
	SAMPLE PURPOSE	REG			REG			REG			REG			REG			REG			FD			REG			REG			REG			REG		
	SAMPLE DEPTH	340-350 FT			440-450 FT			15-25 FT			45-55 FT			140-150 FT			235-245 FT			235-245 FT			340-350 FT			430-440 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	220000		94000	3600000		940000	110000		23000	230000		94000	190000		94000	130000		47000	140000		47000	1300000		190000	2400000		940000	20000		4700	24000		4700
	C9-C10 AROMATIC HYDROCARBONS	ND	U	110000	ND	U	1100000	ND	U	27000	ND	U	110000	ND	U	110000	ND	U	53000	ND	U	53000	ND	U	210000	ND	U	1100000	ND	U	5300	ND	U	5300
	C9-C12 ALIPHATIC HYDROCARBONS	23000	J	150000	ND	U	1500000	26000	J	38000	ND	U	150000	ND	U	150000	48000	J	76000	11000	J	76000	77000	J	300000	670000	J	1500000	ND	U	7600	1200	J	7600
VOCs (ppbv) Method TO15	1,1,1-TRICHLOROETHANE	ND	U	400	ND	U	800	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	40	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	40	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	1,1,2-TRICHLOROETHANE	ND	U	400	ND	U	800	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	1,1-DICHLOROETHANE	ND	U	400	ND	U	800	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	1,1-DICHLOROETHENE	ND	U	400	ND	U	800	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	1,2,4-TRICHLOROBENZENE	ND	U	400	ND	U	800	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	1,2,4-TRIMETHYLBENZENE	ND	U	400	ND	U	800	ND	U	40	ND	U	400	53		40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	1,2-DIBROMOETHANE	ND	U	400	ND	U	800	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	1,2-DICHLOROBENZENE	ND	U	400	ND	U	800	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	1,2-DICHLOROETHANE	ND	U	400	ND	U	800	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	1,2-DICHLOROPROPANE	ND	U	400	ND	U	800	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	1,3,5-TRIMETHYLBENZENE	ND	U	400	ND	U	800	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	1,3-DICHLOROBENZENE	ND	U	400	ND	U	800	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	1,4-DICHLOROBENZENE	ND	U	400	ND	U	800	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	2-BUTANONE	ND	U	400	ND	U	800	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	2-HEXANONE	ND	U	400	ND	U	800	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	4-METHYL-2-PENTANONE	ND	U	400	ND	U	800	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	ACETONE	930		400	ND	U	800	ND	U	40	870		400	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	BENZENE	710		400	31000		800	220		40	1200		400	250		40	210		40	230		40	12000		800	46000		8000	230		40	200		40
	BENZENE, (CHLOROMETHYL)-	ND	U	400	ND	U	800	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	BROMODICHLOROMETHANE	ND	U	400	ND	U	800	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	BROMOFORM	ND	U	400	ND	U	800	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	BROMOMETHANE	ND	U	400	ND	U	800	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	CARBON DISULFIDE	ND	U	400	ND	U	800	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	CARBON TETRACHLORIDE	ND	U	400	ND	U	800	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	CHLOROBENZENE	ND	U	400	ND	U	800	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	CHLOROETHANE	ND	U	400	ND	U	800	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	CHLOROFORM	ND	U	400	ND	U	800	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	CHLOROMETHANE	ND	U	400	ND	U	800	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	CIS-1,2-DICHLOROETHENE	ND	U	400	ND	U	800	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	CIS-1,3-DICHLOROPROPENE	ND	U	400	ND	U	800	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	CYCLOHEXANE	1400		800	34000		1600	ND	U	80	2900		800	ND	U	80	ND	U	80	820		80	15000		1600	68000		16000	680		80	750		80
	DIBROMOCHLOROMETHANE	ND	U	400	ND	U	800	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	DICHLORODIFLUOROMETHANE	ND	U	400	ND	U	800	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	ERYTHRENE	ND	U	400	ND	U	800	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	ETHYL ACETATE	ND	U	400	ND	U	800	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	ETHYLBENZENE	ND	U	800	1200	J	1600	49	J	80	ND	U	800	120		80	68	J	80	93		80	ND	U	1600	ND	U	16000	ND	U	80	ND	U	80
	FREON 113	ND	U	400	ND	U	800	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	HEPTANE	910		400	17000		800	ND	U	40	1500		400	ND	U	40	ND	U	40	ND	U	40	2300		800	19000		8000	390		40	400		40
	HEXACHLOROBUTADIENE	ND	U	800	ND	U	1600	ND	U	80	ND	U	800	ND	U	80	ND	U	80	ND	U	80	ND	U	1600	ND	U	16000	ND	U	80	ND	U	80
	HEXANE	560	J	800	29000		1600	ND	U	80	1000		800	ND	U	80	ND	U	80	ND	U	80	15000		1600	68000		16000	380		80	360		80
	M,P-XYLENES	660	J	800	2900		1600	150		80	1100		800	380		80	220		80	300		80	ND	U	1600	ND	U	16000	100		80	110		80
	METHYL TERT-BUTYL ETHER	ND	U	400	ND	U	800	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	METHYLENE CHLORIDE	1200	J	2000	ND	U	4000	ND	U	200	ND	U	2000	ND	U	200	ND	U	200	ND	U	200	ND	U	4000	ND	U	40000	ND	U	200	ND	U	200
	NAPHTHALENE	ND	U	400	ND	U	800	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	O-XYLENE	ND	U	400	ND	U	800	55		40	ND	U	400	140		40	81		40	110		40	ND	U	800	ND	U	8000	ND	U	40	40		40
	PROPYLENE	ND	U	400	2900		800	110		40	430		400	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	STYRENE	ND	U	400	ND	U	800	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	TETRACHLOROETHENE	ND	U	400	ND	U	800	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	THF	ND	U	400	ND	U	800	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	TOLUENE	3200		400	33000		800	610		40	3900		400	1300		40	750		40	1100		40	16000		800	51000		8000	440		40	430		40
	TRANS-1,2-DICHLOROETHENE	ND	U	400	ND	U	800	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	TRANS-1,3-DICHLOROPROPENE	ND	U	400	ND	U	800	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	TRICHLOROETHENE	ND	U	400	ND	U	800	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	TRICHLOROFLUOROMETHANE	ND	U	400	ND	U	800	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	VINYL ACETATE	ND	U	400	ND	U	800	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	VINYL CHLORIDE	ND	U	400	ND	U	800	ND	U	40	ND	U	400	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	8000	ND	U	40	ND	U	40
	XYLENES	660	J	1200	2900		2400	210		120	1100	J	1200	530		120	300		120	400		120	ND	U	2400	ND	U	24000	100	J	120	150		120
FIXED GASES Method D2504 (Percent)	CARBON DIOXIDE	0.73		0.1	0.53		0.1	0.17		0.1	0.17		0.1	0.29		0.1	0.049	J	0.1	0.38		0.1	0.15		0.1	0.26		0.1	0.52		0.1	0.84		0.1
	CMD	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		0.1	79		0.1	78		0.1	79		0.1	79		0.1	78		0.1	79		0.1	79		0.1	81		0.1	80		0.1	80		0.1
	OXYGEN	19		0.1	18		0.1	21		0.1	21		0.1	20		0.1	21		0.1	20		0.1	20		0.1	18		0.1	20		0.1	19		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
April - June 2012

	LOCATION CODE	KAFB-106132-175			KAFB-106132-250			KAFB-106132-350			KAFB-106132-450			KAFB-106133-025			KAFB-106133-050			KAFB-106133-050			KAFB-106133-170			KAFB-106133-250			KAFB-106133-350			KAFB-106133-450		
	SAMPLE NO	VA1559			VA1560			VA1561			VA1562			VA1563			VA1564			VA1565			VA1566			VA1567			VA1568			VA1569		
	SAMPLE DATE	21-May-12			21-May-12			21-May-12			21-May-12			16-May-12			16-May-12			16-May-12			16-May-12			16-May-12			16-May-12			16-May-12		
	SAMPLE PURPOSE	REG			REG			REG			REG			REG			REG			FD			REG			REG			REG			REG		
	SAMPLE DEPTH	165-175 FT			240-250 FT			340-350 FT			440-450 FT			15-25 FT			40-50 FT			40-50 FT			160-170 FT			240-250 FT			339-349 FT			439-449 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	15000		4700	21000		4700	34000		4700	430000		94000	30000		4700	28000		4700	96000		23000	190000		23000	94000		23000	200000		23000	430000		47000
	C9-C10 AROMATIC HYDROCARBONS	ND	U	5300	ND	U	5300	ND	U	5300	ND	U	110000	ND	U	5300	ND	U	5300	ND	U	27000	ND	U	27000	ND	U	27000	ND	U	27000	ND	U	53000
	C9-C12 ALIPHATIC HYDROCARBONS	ND	U	7600	1600	J	7600	ND	U	7600	ND	U	150000	1600	J	7600	1300	J	7600	12000	J	38000	11000	J	38000	6500	J	38000	15000	J	38000	ND	U	76000
VOCs (ppbv) Method TO15	1,1,1-TRICHLOROETHANE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	200
	1,1,2,2-TETRACHLOROETHANE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	200
	1,1,2-TRICHLOROETHANE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	200
	1,1-DICHLOROETHANE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	200
	1,1-DICHLOROETHENE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	200
	1,2,4-TRICHLOROBENZENE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	200
	1,2,4-TRIMETHYLBENZENE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	44		40	ND	U	40	ND	U	200
	1,2-DIBROMOETHANE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	200
	1,2-DICHLOROBENZENE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	200
	1,2-DICHLOROETHANE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	200
	1,2-DICHLOROPROPANE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	200
	1,3,5-TRIMETHYLBENZENE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	200
	1,3-DICHLOROBENZENE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	200
	1,4-DICHLOROBENZENE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	200
	2-BUTANONE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	200
	2-HEXANONE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	200
	4-METHYL-2-PENTANONE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	200
	ACETONE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	470		200
	BENZENE	160		40	180		40	130		40	42		40	470		40	430		40	620		40	460		40	500		40	580		40	710		200
	BENZENE, (CHLOROMETHYL)-	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	200
	BROMODICHLOROMETHANE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	200
	BROMOFORM	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	200
	BROMOMETHANE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	200
	CARBON DISULFIDE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	200
	CARBON TETRACHLORIDE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	200
	CHLOROBENZENE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	200
	CHLOROETHANE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	200
	CHLOROFORM	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	200
	CHLOROMETHANE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	200
	CIS-1,2-DICHLOROETHENE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	200
	CIS-1,3-DICHLOROPROPENE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	200
	CYCLOHEXANE	560		80	700		80	570		80	370		80	1300		80	1200		80	2000		400	1300		80	1600		80	1400		80	2100		400
	DIBROMOCHLOROMETHANE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	200
	DICHLORODIFLUOROMETHANE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	200
	ERYTHRENE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	200
	ETHYL ACETATE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	200
	ETHYLBENZENE	ND	U	80	44	J	80	ND	U	80	ND	U	80	74	J	80	84		80	110		80	110		80	120		80	69	J	80	ND	U	400
	FREON 113	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	200
	HEPTANE	320		40	370		40	260		40	95		40	680		40	700		40	1100		40	760		40	860		40	580		40	770		200
	HEXACHLOROBUTADIENE	ND	U	80	ND	U	80	ND	U	80	ND	U	80	ND	U	80	ND	U	80	ND	U	80	ND	U	80	ND	U	80	ND	U	80	ND	U	400
	HEXANE	240		80	300		80	230		80	290		80	890		80	670		80	1200		80	650		80	700		80	580		80	1500		400
	M,P-XYLENES	100		80	130		80	59	J	80	ND	U	80	180		80	210		80	280		80	260		80	300		80	170		80	300	J	400
	METHYL TERT-BUTYL ETHER	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	200
	METHYLENE CHLORIDE	ND	U	200	ND	U	200	ND	U	200	ND	U	200	ND	U	200	ND	U	200	ND	U	200	ND	U	200	ND	U	200	ND	U	200	780	J	1000
	NAPHTHALENE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	200
	O-XYLENE	ND	U	40	46		40	ND	U	40	ND	U	40	63		40	73		40	99		40	94		40	110		40	64		40	ND	U	200
	PROPYLENE	ND	U	40	ND	U	40	ND	U	40	93		40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	140		40	280		200
	STYRENE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	200
	TETRACHLOROETHENE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	200
	THF	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	200
	TOLUENE	380		40	430		40	230		40	120		40	890		40	930		40	1300		40	1100		40	1300		40	830		40	1400		200
	TRANS-1,2-DICHLOROETHENE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	200
	TRANS-1,3-DICHLOROPROPENE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	200
	TRICHLOROETHENE	55		40	140		40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	200
	TRICHLOROFLUOROMETHANE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	200
	VINYL ACETATE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	200
	VINYL CHLORIDE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	200
	XYLENES	100	J	120	170		120	59	J	120	ND	U	120	240		120	280		120	380		120	350		120	410		120	230		120	300	J	600
FIXED GASES Method D2504 (Percent)	CARBON DIOXIDE	0.22		0.1	0.16		0.1	0.78		0.1	0.65		0.1	0.61		0.1	0.48		0.1	0.71		0.1	0.22		0.1	0.52		0.1	0.046	J	0.1	0.22		0.1
	CMD	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		0.1	80		0.1	80		0.1	81		0.1	80		0.1	80		0.1	78		0.1	79		0.1	81		0.1	79		0.1	79		0.1
	OXYGEN	20		0.1	20		0.1	19		0.1	18		0.1	20		0.1	20		0.1	20		0.1	20		0.1	19		0.1	21		0.1	20		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
April - June 2012

	LOCATION CODE	KAFB-106134-025			KAFB-106134-050			KAFB-106134-170			KAFB-106134-250			KAFB-106134-350			KAFB-106134-450			KAFB-106134-450			KAFB-106135-025			KAFB-106135-050			KAFB-106135-150			KAFB-106135-250		
	SAMPLE NO	VA1570			VA1571			VA1572			VA1573			VA1574			VA1575			VA1576			VA1577			VA1578			VA1579			VA1580		
	SAMPLE DATE	19-Jun-12			19-Jun-12			19-Jun-12			19-Jun-12			19-Jun-12			20-Jun-12			20-Jun-12			21-May-12			21-May-12			21-May-12			21-May-12		
	SAMPLE PURPOSE	REG			REG			REG			REG			REG			REG			FD			REG			REG			REG			REG		
	SAMPLE DEPTH	15-25 FT			40-50 FT			160-170 FT			240-250 FT			340-350 FT			440-450 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	23000		4700	89000		47000	120000		47000	160000		47000	180000		47000	620000		190000	950000		190000	88000		23000	120000		23000	8400		4700	36000		4700
	C9-C10 AROMATIC HYDROCARBONS	ND	U	5300	ND	U	53000	ND	U	53000	ND	U	53000	ND	U	53000	ND	U	210000	ND	U	210000	ND	U	27000	ND	U	27000	ND	U	5300	ND	U	5300
	C9-C12 ALIPHATIC HYDROCARBONS	3900	J	7600	ND	U	76000	ND	U	76000	46000	J	76000	46000	J	76000	ND	U	300000	ND	U	300000	ND	U	38000	5500	J	38000	ND	U	7600	3400	J	7600
VOCs (ppbv) Method TO15	1,1,1-TRICHLOROETHANE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	1,1,2,2-TETRACHLOROETHANE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	1,1,2-TRICHLOROETHANE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	1,1-DICHLOROETHANE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	1,1-DICHLOROETHENE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	1,2,4-TRICHLOROBENZENE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	1,2,4-TRIMETHYLBENZENE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	1,2-DIBROMOETHANE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	1,2-DICHLOROBENZENE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	1,2-DICHLOROETHANE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	1,2-DICHLOROPROPANE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	1,3,5-TRIMETHYLBENZENE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	1,3-DICHLOROBENZENE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	1,4-DICHLOROBENZENE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	2-BUTANONE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	2-HEXANONE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	4-METHYL-2-PENTANONE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	ACETONE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	900		800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	BENZENE	160		40	220		40	340		40	450		40	250		40	ND	U	800	1500		800	160		40	290		40	66		40	250		40
	BENZENE, (CHLOROMETHYL)-	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	BROMODICHLOROMETHANE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	BROMOFORM	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	BROMOMETHANE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	CARBON DISULFIDE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	CARBON TETRACHLORIDE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	CHLOROBENZENE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	CHLOROETHANE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	CHLOROFORM	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	CHLOROMETHANE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	CIS-1,2-DICHLOROETHENE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	CIS-1,3-DICHLOROPROPENE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	CYCLOHEXANE	250		80	360		80	560		80	890		80	600		80	2400		1600	5700		1600	780		80	1400		80	180		80	1100		80
	DIBROMOCHLOROMETHANE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	DICHLORODIFLUOROMETHANE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	ERYTHRENE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	ETHYL ACETATE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	ETHYLBENZENE	ND	U	80	ND	U	80	58	J	80	140		80	73	J	80	ND	U	1600	ND	U	1600	ND	U	80	79	J	80	ND	U	80	54	J	80
	FREON 113	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	HEPTANE	200		40	220		40	340		40	630		40	390		40	1200		800	2600		800	350		40	660		40	66		40	470		40
	HEXACHLOROBUTADIENE	ND	U	80	ND	U	80	ND	U	80	ND	U	80	ND	U	80	ND	U	1600	ND	U	1600	ND	U	80	ND	U	80	ND	U	80	ND	U	80
	HEXANE	100		80	130		80	180		80	250		80	140		80	1300	J	1600	2500		1600	330		80	570		80	120		80	410		80
	M,P-XYLENES	93		80	74	J	80	160		80	420		80	210		80	ND	U	1600	1200	J	1600	83		80	230		80	49	J	80	150		80
	METHYL TERT-BUTYL ETHER	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	METHYLENE CHLORIDE	ND	U	200	ND	U	200	ND	U	200	ND	U	200	ND	U	200	ND	U	4000	ND	U	4000	ND	U	200	ND	U	200	ND	U	200	ND	U	200
	NAPHTHALENE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	O-XYLENE	ND	U	40	ND	U	40	56		40	140		40	76		40	ND	U	800	ND	U	800	ND	U	40	86		40	ND	U	40	58		40
	PROPYLENE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	40	140		40	ND	U	40
	STYRENE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	TETRACHLOROETHENE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	THF	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	TOLUENE	550		40	550		40	970		40	1600		40	1100		40	2300		800	5300		800	320		40	760		40	110		40	480		40
	TRANS-1,2-DICHLOROETHENE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	TRANS-1,3-DICHLOROPROPENE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	TRICHLOROETHENE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	TRICHLOROFLUOROMETHANE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	VINYL ACETATE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	VINYL CHLORIDE	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	XYLENES	93	J	120	74	J	120	220		120	560	J	120	290		120	ND	U	2400	1200	J	2400	83	J	120	310		120	49	J	120	210		120
FIXED GASES Method D2504 (Percent)	CARBON DIOXIDE	0.13		0.1	0.13		0.1	0.18		0.1	0.23		0.1	0.16		0.1	0.16		0.1	0.18		0.1	0.18		0.1	0.19		0.1	0.057	J	0.1	0.16		0.1
	CMD	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	77		0.1	78		0.1	78		0.1	78		0.1	78		0.1	80		0.1	79		0.1	80		0.1	80		0.1	80		0.1	80		0.1
	OXYGEN	21		0.1	21		0.1	20		0.1	20		0.1	20		0.1	21		0.1	20		0.1	21		0.1	20		0.1	21		0.1	20		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
April - June 2012

	LOCATION CODE	KAFB-106135-350			KAFB-106135-450			KAFB-106136-025			KAFB-106136-050			KAFB-106136-150			KAFB-106136-250			KAFB-106136-250			KAFB-106136-350			KAFB-106136-450			KAFB-106137-025			KAFB-106137-050		
	SAMPLE NO	VA1581			VA1582			VA1583			VA1584			VA1585			VA1586			VA1587			VA1588			VA1589			VA1590			VA1591		
	SAMPLE DATE	22-May-12			22-May-12			21-May-12			21-May-12			21-May-12			21-May-12			21-May-12			21-May-12			21-May-12			16-May-12			16-May-12		
	SAMPLE PURPOSE	REG			REG			REG			REG			REG			REG			FD			REG			REG			REG			REG		
	SAMPLE DEPTH	340-350 FT			440-450 FT			15-25 FT			40-50 FT			140-150 FT			240-250 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	610000		190000	870000		190000	300000		94000	310000		94000	310000		94000	280000		94000	390000		94000	290000		94000	280000		94000	110000		47000	67000		23000
	C9-C10 AROMATIC HYDROCARBONS	ND	U	210000	ND	U	210000	ND	U	110000	ND	U	110000	ND	U	110000	ND	U	110000	ND	U	110000	ND	U	110000	ND	U	110000	ND	U	53000	ND	U	27000
	C9-C12 ALIPHATIC HYDROCARBONS	ND	U	300000	ND	U	300000	ND	U	150000	ND	U	150000	ND	U	150000	ND	U	150000	ND	U	150000	ND	U	150000	ND	U	150000	ND	U	76000	22000	J	38000
VOCs (ppbv) Method TO15	1,1,1-TRICHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	1,1,2,2-TETRACHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	1,1,2-TRICHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	1,1-DICHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	1,1-DICHLOROETHENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	1,2,4-TRICHLOROBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	1,2,4-TRIMETHYLBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	90		40	86		40	40		40	45		40
	1,2-DIBROMOETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	1,2-DICHLOROBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	1,2-DICHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	1,2-DICHLOROPROPANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	1,3,5-TRIMETHYLBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	55		40	52		40	ND	U	40	ND	U	40
	1,3-DICHLOROBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	1,4-DICHLOROBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	2-BUTANONE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	2-HEXANONE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	4-METHYL-2-PENTANONE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	ACETONE	ND	U	800	ND	U	800	950		800	880		800	1400		800	900		800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	BENZENE	ND	U	800	ND	U	800	3100		800	2200		800	1600		800	1500		800	1800		800	1200		40	1300		40	460		40	380		40
	BENZENE, (CHLOROMETHYL)-	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	BROMODICHLOROMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	BROMOFORM	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	BROMOMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	CARBON DISULFIDE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	CARBON TETRACHLORIDE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	CHLOROBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	CHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	CHLOROFORM	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	CHLOROMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	CIS-1,2-DICHLOROETHENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	CIS-1,3-DICHLOROPROPENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	CYCLOHEXANE	4200		1600	2700		1600	9400		1600	7100		1600	5000		1600	4700		1600	6000		1600	3700		1600	3900		1600	1300		80	880		80
	DIBROMOCHLOROMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	DICHLORODIFLUOROMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	ERYTHRENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	ETHYL ACETATE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	ETHYLBENZENE	ND	U	1600	ND	U	1600	1200	J	1600	1100	J	1600	ND	U	1600	ND	U	1600	ND	U	1600	680		80	710		80	98		80	93		80
	FREON 113	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	HEPTANE	1400		800	960		800	10000		800	7700		800	5200		800	5000		800	6000		800	3900		800	4100		800	660		40	440		40
	HEXACHLOROBUTADIENE	ND	U	1600	ND	U	1600	ND	U	1600	ND	U	1600	ND	U	1600	ND	U	1600	ND	U	1600	ND	U	80	ND	U	80	ND	U	80	ND	U	80
	HEXANE	2800		1600	1800		1600	3800		1600	2700		1600	4200		1600	1800		1600	2000		1600	1300		80	1300		80	520		80	350		80
	M,P-XYLENES	ND	U	1600	ND	U	1600	2800		1600	2300		1600	1700		1600	1700		1600	1700		1600	1500		80	1600		80	240		80	230		80
	METHYL TERT-BUTYL ETHER	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	METHYLENE CHLORIDE	ND	U	4000	ND	U	4000	ND	U	4000	ND	U	4000	5500		4000	ND	U	4000	ND	U	4000	ND	U	200	ND	U	200	ND	U	200	ND	U	200
	NAPHTHALENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	O-XYLENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	400		40	410		40	90		40	88		40
	PROPYLENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	98		40
	STYRENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	TETRACHLOROETHENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	THF	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	TOLUENE	2000		800	1300		800	12000		800	9300		800	6400		800	6200		800	6700		800	5200		800	5700		800	980		40	850		40
	TRANS-1,2-DICHLOROETHENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	TRANS-1,3-DICHLOROPROPENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	TRICHLOROETHENE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	TRICHLOROFLUOROMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	VINYL ACETATE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	VINYL CHLORIDE	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	XYLENES	ND	U	2400	ND	U	2400	2800		2400	2300	J	2400	1700	J	2400	1700	J	2400	1700	J	2400	1900		120	2000		120	330		120	320		120
FIXED GASES Method D2504 (Percent)	CARBON DIOXIDE	0.25		0.1	0.3		0.1	0.16		0.1	0.15		0.1	0.093	J	0.1	0.077	J	0.1	0.088	J	0.1	0.092	J	0.1	0.12		0.1	0.22		0.1	0.22		0.1
	CMD	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		0.1	80		0.1	79		0.1	80		0.1	79		0.1	79		0.1	79		0.1	79		0.1	79		0.1	80		0.1	80		0.1
	OXYGEN	20		0.1	20		0.1	21		0.1	21		0.1	21		0.1	21		0.1	21		0.1	21		0.1	21		0.1	21		0.1	21		0.1

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

Shading indicates the analyte was detected.

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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
April - June 2012

	LOCATION CODE	KAFB-106137-150			KAFB-106137-250			KAFB-106137-350			KAFB-106137-450			KAFB-106137-450			KAFB-106138-025			KAFB-106138-050			KAFB-106138-150			KAFB-106138-250			KAFB-106138-350			KAFB-106138-450		
	SAMPLE NO	VA1592			VA1593			VA1594			VA1595			VA1596			VA1597			VA1598			VA1599			VA1600			VA1601			VA1602		
	SAMPLE DATE	16-May-12			17-May-12			16-May-12			17-May-12			17-May-12			23-May-12			23-May-12			23-May-12			23-May-12			23-May-12			23-May-12		
	SAMPLE PURPOSE	REG			REG			REG			REG			FD			REG			REG			REG			REG			REG			REG		
	SAMPLE DEPTH	140-150 FT			240-250 FT			341-351 FT			440-450 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	61000		23000	8900		4700	92000		23000	1600000		940000	110000		23000	89000		47000	120000		47000	95000		23000	130000		47000	130000		47000	97000		47000
	C9-C10 AROMATIC HYDROCARBONS	ND	U	27000	ND	U	5300	ND	U	27000	ND	U	1100000	ND	U	27000	ND	U	53000	ND	U	53000	ND	U	27000	ND	U	53000	ND	U	53000	ND	U	53000
	C9-C12 ALIPHATIC HYDROCARBONS	13000	J	38000	ND	U	7600	8300	J	38000	ND	U	1500000	ND	U	38000	ND	U	76000	ND	U	76000	11000	J	38000	12000	J	76000	18000	J	76000	12000	J	76000
VOCs (ppbv) Method TO15	1,1,1-TRICHLOROETHANE	ND	U	40	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	1,1,2,2-TETRACHLOROETHANE	ND	U	40	ND	U	8	43		40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	1,1,2-TRICHLOROETHANE	ND	U	40	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	1,1-DICHLOROETHANE	ND	U	40	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	1,1-DICHLOROETHENE	ND	U	40	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	1,2,4-TRICHLOROBENZENE	ND	U	40	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	1,2,4-TRIMETHYLBENZENE	57		40	8		8	65		40	58		40	42		40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	41		40
	1,2-DIBROMOETHANE	ND	U	40	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	1,2-DICHLOROBENZENE	ND	U	40	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	1,2-DICHLOROETHANE	ND	U	40	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	1,2-DICHLOROPROPANE	ND	U	40	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	1,3,5-TRIMETHYLBENZENE	ND	U	40	ND	U	8	ND	U	40	41		40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	1,3-DICHLOROBENZENE	ND	U	40	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	1,4-DICHLOROBENZENE	ND	U	40	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	2-BUTANONE	ND	U	40	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	2-HEXANONE	ND	U	40	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	4-METHYL-2-PENTANONE	ND	U	40	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	ACETONE	ND	U	40	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	BENZENE	380		40	76		8	710		40	7800		800	940		40	460		40	440		40	360		40	430		40	430		40	390		40
	BENZENE, (CHLOROMETHYL)-	ND	U	40	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	BROMODICHLOROMETHANE	ND	U	40	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	BROMOFORM	ND	U	40	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	BROMOMETHANE	ND	U	40	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	CARBON DISULFIDE	ND	U	40	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	CARBON TETRACHLORIDE	ND	U	40	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	CHLOROBENZENE	ND	U	40	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	CHLOROETHANE	ND	U	40	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	CHLOROFORM	ND	U	40	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	CHLOROMETHANE	ND	U	40	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	CIS-1,2-DICHLOROETHENE	ND	U	40	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	CIS-1,3-DICHLOROPROPENE	ND	U	40	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	CYCLOHEXANE	930		80	140		16	1900		80	25000		1600	2700		1600	1000		80	1100		80	970		80	1200		80	1200		80	1100		80
	DIBROMOCHLOROMETHANE	ND	U	40	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	DICHLORODIFLUOROMETHANE	ND	U	40	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	ERYTHRENE	ND	U	40	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	ETHYL ACETATE	ND	U	40	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	ETHYLBENZENE	120		80	17		16	180		80	520		80	210		80	150		80	190		80	150		80	200		80	180		80	200		80
	FREON 113	ND	U	40	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	HEPTANE	530		40	90		8	1000		40	11000		800	1200		40	950		40	1000		40	890		40	1100		40	1000		40	980		40
	HEXACHLOROBUTADIENE	ND	U	80	ND	U	16	ND	U	80	ND	U	80	ND	U	80	ND	U	80	ND	U	80	ND	U	80	ND	U	80	ND	U	80	ND	U	80
	HEXANE	380		80	ND	U	16	760		80	17000		1600	1200		80	270		80	260		80	220		80	270		80	270		80	260		80
	M,P-XYLENES	310		80	44		16	440		80	1300		80	590		80	340		80	450		80	370		80	490		80	440		80	480		80
	METHYL TERT-BUTYL ETHER	ND	U	40	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	METHYLENE CHLORIDE	ND	U	200	ND	U	40	ND	U	200	ND	U	200	ND	U	200	ND	U	200	ND	U	200	ND	U	200	ND	U	200	ND	U	200	ND	U	200
	NAPHTHALENE	ND	U	40	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	O-XYLENE	110		40	16		8	160		40	370		40	170		40	99		40	130		40	110		40	140		40	130		40	150		40
	PROPYLENE	130		40	ND	U	8	ND	U	40	480		40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	STYRENE	ND	U	40	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	TETRACHLOROETHENE	ND	U	40	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	THF	ND	U	40	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	TOLUENE	1200		40	160		8	2000		40	12000		800	3400		800	1400		40	1600		40	1300		40	1600		40	1400		40	1500		40
	TRANS-1,2-DICHLOROETHENE	ND	U	40	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	TRANS-1,3-DICHLOROPROPENE	ND	U	40	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	TRICHLOROETHENE	ND	U	40	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	TRICHLOROFLUOROMETHANE	ND	U	40	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	VINYL ACETATE	ND	U	40	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	VINYL CHLORIDE	ND	U	40	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	XYLENES	420		120	60		24	600		120	1700		120	750		120	440		120	590		120	490		120	630		120	580		120	630		120
FIXED GASES Method D2504 (Percent)	CARBON DIOXIDE	0.18		0.1	0.13		0.1	0.055	J	0.1	0.29		0.1	0.37		0.1	1.8		0.1	1		0.1	0.14		0.1	0.1		0.1	0.14		0.1	0.1		0.1
	CMD	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		0.1	80		0.1	78		0.1	78		0.1	79		0.1	79		0.1	79		0.1	80		0.1	79		0.1	79		0.1	79		0.1
	OXYGEN	20		0.1	21		0.1	21		0.1	20		0.1	20		0.1	19		0.1	19		0.1	20		0.1	21		0.1	21		0.1	21		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
April - June 2012

	LOCATION CODE	KAFB-106139-025			KAFB-106139-050			KAFB-106139-150			KAFB-106139-250			KAFB-106139-250			KAFB-106139-350			KAFB-106139-450			KAFB-106140-025			KAFB-106140-050			KAFB-106140-150			KAFB-106140-250		
	SAMPLE NO	VA1603			VA1604			VA1605			VA1606			VA1607			VA1608			VA1609			VA1610			VA1611			VA1612			VA1613		
	SAMPLE DATE	7-Jun-12			7-Jun-12			7-Jun-12			11-Jun-12			11-Jun-12			11-Jun-12			11-Jun-12			22-May-12			22-May-12			22-May-12			22-May-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			340-350 FT			440-450 FT			15-25 FT			40-50 FT			141-152 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	1200000		190000				1000000		190000	190000		47000	230000		47000	560000		190000	190000		94000	41000		23000	15000		4700	8400		4700	43000		23000
	C9-C10 AROMATIC HYDROCARBONS	ND	U	210000				ND	U	210000	ND	U	53000	ND	U	53000	ND	U	210000	ND	U	110000	ND	U	27000	ND	U	5300	ND	U	5300	ND	U	27000
	C9-C12 ALIPHATIC HYDROCARBONS	ND	U	300000				88000	J	300000	28000	J	76000	48000	J	76000	ND	U	300000	ND	U	150000	ND	U	38000	ND	U	7600	ND	U	7600	ND	U	38000
VOCs (ppbv) Method TO15	1,1,1-TRICHLOROETHANE	ND	U	800				ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8
	1,1,2,2-TETRACHLOROETHANE	ND	U	800				ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8
	1,1,2-TRICHLOROETHANE	ND	U	800				ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8
	1,1-DICHLOROETHANE	ND	U	800				ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8
	1,1-DICHLOROETHENE	ND	U	800				ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8
	1,2,4-TRICHLOROBENZENE	ND	U	800				ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8
	1,2,4-TRIMETHYLBENZENE	ND	U	800				ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	8	ND	U	8	ND	U	8	9.9		8
	1,2-DIBROMOETHANE	ND	U	800				ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8
	1,2-DICHLOROBENZENE	ND	U	800				ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8
	1,2-DICHLOROETHANE	ND	U	800				ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8
	1,2-DICHLOROPROPANE	ND	U	800				ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8
	1,3,5-TRIMETHYLBENZENE	ND	U	800				ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8
	1,3-DICHLOROBENZENE	ND	U	800				ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8
	1,4-DICHLOROBENZENE	ND	U	800				ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8
	2-BUTANONE	ND	U	800				ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8
	2-HEXANONE	ND	U	800				ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8
	4-METHYL-2-PENTANONE	ND	U	800				ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8
	ACETONE	ND	U	800				ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8
	BENZENE	35000		800				20000		800	1100		40	2000		800	1100		800	1500		800	95		8	67		8	38		8	73		8
	BENZENE, (CHLOROMETHYL)-	ND	U	800				ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8
	BROMODICHLOROMETHANE	ND	U	800				ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8
	BROMOFORM	ND	U	800				ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8
	BROMOMETHANE	ND	U	800				ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8
	CARBON DISULFIDE	ND	U	800				ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8
	CARBON TETRACHLORIDE	ND	U	800				ND	U	800	63		40	ND	U	800	ND	U	800	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8
	CHLOROBENZENE	ND	U	800				ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8
	CHLOROETHANE	ND	U	800				ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8
	CHLOROFORM	ND	U	800				ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8
	CHLOROMETHANE	ND	U	800				ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8
	CIS-1,2-DICHLOROETHENE	ND	U	800				ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8
	CIS-1,3-DICHLOROPROPENE	ND	U	800				ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8
	CYCLOHEXANE	30000		1600				18000		1600	1100		80	3000		1600	1400	J	1600	2600		1600	620		80	270		16	160		16	340		16
	DIBROMOCHLOROMETHANE	ND	U	800				ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8
	DICHLORODIFLUOROMETHANE	ND	U	800				ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8
	ERYTHRENE	ND	U	800				ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8
	ETHYL ACETATE	ND	U	800				ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8
	ETHYLBENZENE	2700		1600				1900		1600	120		80	ND	U	1600	ND	U	1600	ND	U	1600	14	J	16	14	J	16	ND	U	16	17		16
	FREON 113	ND	U	800				ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8
	HEPTANE	24000		800				15000		800	710		40	1600		800	820		800	1500		800	160		8	120		8	72		8	140		8
	HEXACHLOROBUTADIENE	ND	U	1600				ND	U	1600	ND	U	80	ND	U	1600	ND	U	1600	ND	U	1600	ND	U	16	ND	U	16	ND	U	16	ND	U	16
	HEXANE	20000		1600				11000		1600	280		80	1300	J	1600	1300	J	1600	810	J	1600	170		16	95		16	55		16	100		16
	M,P-XYLENES	6800		1600				4700		1600	320		80	ND	U	1600	ND	U	1600	980	J	1600	40		16	41		16	ND	U	16	50		16
	METHYL TERT-BUTYL ETHER	ND	U	800				ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8
	METHYLENE CHLORIDE	ND	U	4000				ND	U	4000	ND	U	200	2200	J	4000	4500		4000	ND	U	4000	ND	U	40	ND	U	40	ND	U	40	ND	U	40
	NAPHTHALENE	ND	U	800				ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8
	O-XYLENE	1800		800				1300		800	120		40	ND	U	800	ND	U	800	ND	U	800	15		8	16		8	ND	U	8	19		8
	PROPYLENE	ND	U	800				ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8
	STYRENE	ND	U	800				ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8
	TETRACHLOROETHENE	ND	U	800				ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8
	THF	ND	U	800				ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8
	TOLUENE	130000		8000				80000		8000	4400		800	5500		800	3200		800	5800		800	160		8	120		8	ND	U	8	150		8
	TRANS-1,2-DICHLOROETHENE	ND	U	800				ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8
	TRANS-1,3-DICHLOROPROPENE	ND	U	800				ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8
	TRICHLOROETHENE	ND	U	800				ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8
	TRICHLOROFLUOROMETHANE	ND	U	800				ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8
	VINYL ACETATE	ND	U	800				ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8
	VINYL CHLORIDE	ND	U	800				ND	U	800	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	8	ND	U	8	ND	U	8	ND	U	8
	XYLENES	8600	J	2400				6000	J	2400	440		120	ND	U	2400	ND	U	2400	980	J	2400	55		24	57		24	ND	U	24	69		24
FIXED GASES Method D2504 (Percent)	CARBON DIOXIDE	0.33		0.1	0.48		0.1	0.35		0.1	0.36		0.1	0.23		0.1	0.45		0.1	0.48		0.1	0.11		0.1	0.059	J	0.1	0.11		0.1	0.11		0.1
	CMD	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		0.1	79		0.1	79		0.1	78		0.1	78		0.1	78		0.1	78		0.1	79		0.1	79		0.1	80		0.1	80		0.1
	OXYGEN	21		0.1	21		0.1	21		0.1	21		0.1	21		0.1	21		0.1	20		0.1	21		0.1	21		0.1	20		0.1	20		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
April - June 2012

	LOCATION CODE	KAFB-106140-350			KAFB-106140-450			KAFB-106141-025			KAFB-106141-025			KAFB-106141-050			KAFB-106141-170			KAFB-106141-250			KAFB-106141-350			KAFB-106141-450			KAFB-106142-030			KAFB-106142-050		
	SAMPLE NO	VA1614			VA1615			VA1616			VA1617			VA1618			VA1619			VA1620			VA1621			VA1622			VA1623			VA1624		
	SAMPLE DATE	22-May-12			22-May-12			29-May-12			29-May-12			29-May-12			29-May-12			29-May-12			29-May-12			29-May-12			21-May-12			21-May-12		
	SAMPLE PURPOSE	REG			REG			REG			FD			REG			REG			REG			REG			REG			REG			REG		
	SAMPLE DEPTH	340-350 FT			440-450 FT			15-25 FT			15-25 FT			50-60 FT			160-170 FT			240-250 FT			340-350 FT			440-450 FT			20-30 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	1300000		190000	5400000		940000	4300		940	49000		23000	99000		23000	26000		4700	27000		4700	18000		4700	16000		4700	230000		94000	330000		94000
	C9-C10 AROMATIC HYDROCARBONS	ND	U	210000	ND	U	1100000	ND	U	1100	ND	U	27000	ND	U	27000	ND	U	5300	ND	U	5300	ND	U	5300	ND	U	5300	ND	U	110000	ND	U	110000
	C9-C12 ALIPHATIC HYDROCARBONS	ND	U	300000	ND	U	1500000	320	J	1500	ND	U	38000	ND	U	38000	1400	J	7600	1800	J	7600	ND	U	7600	ND	U	7600	ND	U	150000	35000	J	150000
VOCs (ppbv) Method TO15	1,1,1-TRICHLOROETHANE	ND	U	800	ND	U	800	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	1,1,2,2-TETRACHLOROETHANE	ND	U	800	ND	U	800	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	1,1,2-TRICHLOROETHANE	ND	U	800	ND	U	800	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	1,1-DICHLOROETHANE	ND	U	800	ND	U	800	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	1,1-DICHLOROETHENE	ND	U	800	ND	U	800	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	1,2,4-TRICHLOROBENZENE	ND	U	800	ND	U	800	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	1,2,4-TRIMETHYLBENZENE	ND	U	800	ND	U	800	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	110		40
	1,2-DIBROMOETHANE	ND	U	800	ND	U	800	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	1,2-DICHLOROBENZENE	ND	U	800	ND	U	800	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	1,2-DICHLOROETHANE	ND	U	800	ND	U	800	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	1,2-DICHLOROPROPANE	ND	U	800	ND	U	800	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	1,3,5-TRIMETHYLBENZENE	ND	U	800	ND	U	800	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	65		40
	1,3-DICHLOROBENZENE	ND	U	800	ND	U	800	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	1,4-DICHLOROBENZENE	ND	U	800	ND	U	800	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	2-BUTANONE	ND	U	800	ND	U	800	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	2-HEXANONE	ND	U	800	ND	U	800	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	4-METHYL-2-PENTANONE	ND	U	800	ND	U	800	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	ACETONE	ND	U	800	ND	U	800	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	1600		800	ND	U	40
	BENZENE	ND	U	800	1400		800	ND	U	8	120		40	64		40	82		40	60		40	ND	U	40	ND	U	40	1100		800	1100		40
	BENZENE, (CHLOROMETHYL)-	ND	U	800	ND	U	800	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	BROMODICHLOROMETHANE	ND	U	800	ND	U	800	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	BROMOFORM	ND	U	800	ND	U	800	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	BROMOMETHANE	ND	U	800	ND	U	800	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	CARBON DISULFIDE	ND	U	800	ND	U	800	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	CARBON TETRACHLORIDE	ND	U	800	ND	U	800	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	CHLOROBENZENE	ND	U	800	ND	U	800	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	CHLOROETHANE	ND	U	800	ND	U	800	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	CHLOROFORM	ND	U	800	ND	U	800	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	CHLOROMETHANE	ND	U	800	ND	U	800	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	CIS-1,2-DICHLOROETHENE	ND	U	800	ND	U	800	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	CIS-1,3-DICHLOROPROPENE	ND	U	800	ND	U	800	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	CYCLOHEXANE	5300		1600	27000		1600	ND	U	16	460		80	110		80	550		80	390		80	300		80	280		80	3400		1600	3400		1600
	DIBROMOCHLOROMETHANE	ND	U	800	ND	U	800	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	DICHLORODIFLUOROMETHANE	ND	U	800	ND	U	800	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	ERYTHRENE	ND	U	800	ND	U	800	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	ETHYL ACETATE	ND	U	800	ND	U	800	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	ETHYLBENZENE	ND	U	1600	ND	U	1600	ND	U	16	ND	U	80	ND	U	80	ND	U	80	ND	U	80	ND	U	80	ND	U	80	ND	U	1600	690		80
	FREON 113	ND	U	800	ND	U	800	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	HEPTANE	ND	U	800	5500		800	ND	U	8	260		40	40		40	190		40	130		40	89		40	77		40	3600		800	3400		800
	HEXACHLOROBUTADIENE	ND	U	1600	ND	U	1600	ND	U	16	ND	U	80	ND	U	80	ND	U	80	ND	U	80	ND	U	80	ND	U	80	ND	U	1600	ND	U	80
	HEXANE	5200		1600	31000		1600	ND	U	16	120		80	ND	U	80	100		80	72	J	80	61	J	80	62	J	80	1600		1600	1000		80
	M,P-XYLENES	ND	U	1600	ND	U	1600	ND	U	16	96		80	ND	U	80	62	J	80	ND	U	80	ND	U	80	ND	U	80	1600		1600	1600		80
	METHYL TERT-BUTYL ETHER	ND	U	800	ND	U	800	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	METHYLENE CHLORIDE	ND	U	4000	2200	J	4000	ND	U	40	ND	U	200	ND	U	200	ND	U	200	ND	U	200	ND	U	200	ND	U	200	ND	U	4000	ND	U	200
	NAPHTHALENE	ND	U	800	ND	U	800	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	O-XYLENE	ND	U	800	ND	U	800	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	420		40
	PROPYLENE	860		800	1800		800	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	STYRENE	ND	U	800	ND	U	800	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	TETRACHLOROETHENE	ND	U	800	ND	U	800	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	THF	ND	U	800	ND	U	800	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	TOLUENE	ND	U	800	3200		800	ND	U	8	510		40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	5000		800	4600		800
	TRANS-1,2-DICHLOROETHENE	ND	U	800	ND	U	800	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	TRANS-1,3-DICHLOROPROPENE	ND	U	800	ND	U	800	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	TRICHLOROETHENE	ND	U	800	ND	U	800	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	TRICHLOROFLUOROMETHANE	ND	U	800	ND	U	800	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	VINYL ACETATE	ND	U	800	ND	U	800	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	VINYL CHLORIDE	ND	U	800	ND	U	800	ND	U	8	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	800	ND	U	40
	XYLENES	ND	U	2400	ND	U	2400	ND	U	24	96	J	120	ND	U	120	62	J	120	ND	U	120	ND	U	120	ND	U	120	1600	J	2400	2000		120
FIXED GASES Method D2504 (Percent)	CARBON DIOXIDE	0.099	J	0.1	0.72		0.1	0.072	J	0.1	0.063	J	0.1	0.1		0.1	0.084	J	0.1	0.071	J	0.1	0.1		0.1	0.064	J	0.1	0.18		0.1	0.18		0.1
	CMD	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		0.1	80		0.1	79		0.1	79		0.1	80		0.1	79		0.1	78		0.1	79		0.1	79		0.1	79		0.1	78		0.1
	OXYGEN	20		0.1	18		0.1	21		0.1	21		0.1	21		0.1	20		0.1	21		0.1	20		0.1	21		0.1	21		0.1	20		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
April - June 2012

	LOCATION CODE	KAFB-106142-170			KAFB-106142-170			KAFB-106142-250			KAFB-106142-350			KAFB-106142-450			KAFB-106149-IN			KAFB-106149-POSTC1			KAFB-106149-POSTC2			KAFB-106160-IN			KAFB-106160-POSTC2			KAFB-106161-IN		
	SAMPLE NO	VA1625			VA1626			VA1627			VA1628			VA1629			VA9060			VA9061			VA9062			VA9063			VA9065			VA9066		
	SAMPLE DATE	21-May-12			21-May-12			21-May-12			22-May-12			22-May-12			14-Jun-12			14-Jun-12			14-Jun-12			14-Jun-12			14-Jun-12			14-Jun-12		
	SAMPLE PURPOSE	REG			FD			REG			REG			REG			REG			REG			REG			REG			REG			REG		
	SAMPLE DEPTH	160-170 FT			160-170 FT			240-250 FT			340-350 FT			440-450 FT			0-0 FT			0-0 FT			0-0 FT			0-0 FT			0-0 FT			0-0 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	180000		94000	240000		47000	180000		94000	190000		94000	210000		94000	850000		94000	4500000		940000	870000		190000	4400000		940000	270000		94000	1.4E+07		2300000
	C9-C10 AROMATIC HYDROCARBONS	ND	U	110000	ND	U	53000	ND	U	110000	ND	U	110000	ND	U	110000	ND	U	110000	ND	U	1100000	ND	U	210000	ND	U	1100000	ND	U	110000	ND	U	2700000
	C9-C12 ALIPHATIC HYDROCARBONS	ND	U	150000	19000	J	76000	ND	U	150000	ND	U	150000	ND	U	150000	110000	J	150000	ND	U	1500000	95000	J	300000	ND	U	1500000	86000	J	150000	1300000	J	3800000
VOCs (ppbv) Method TO15	1,1,1-TRICHLOROETHANE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	8000	ND	U	800	ND	U	8000	ND	U	400	ND	U	8000
	1,1,2,2-TETRACHLOROETHANE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	8000	ND	U	800	ND	U	8000	ND	U	400	ND	U	8000
	1,1,2-TRICHLOROETHANE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	8000	ND	U	800	ND	U	8000	ND	U	400	ND	U	8000
	1,1-DICHLOROETHANE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	8000	ND	U	800	ND	U	8000	ND	U	400	ND	U	8000
	1,1-DICHLOROETHENE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	8000	ND	U	800	ND	U	8000	ND	U	400	ND	U	8000
	1,2,4-TRICHLOROBENZENE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	8000	ND	U	800	ND	U	8000	ND	U	400	ND	U	8000
	1,2,4-TRIMETHYLBENZENE	ND	U	800	110		40	100		40	61		40	90		40	ND	U	400	ND	U	8000	ND	U	800	ND	U	8000	ND	U	400	ND	U	8000
	1,2-DIBROMOETHANE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	8000	ND	U	800	ND	U	8000	ND	U	400	ND	U	8000
	1,2-DICHLOROBENZENE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	8000	ND	U	800	ND	U	8000	ND	U	400	ND	U	8000
	1,2-DICHLOROETHANE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	8000	ND	U	800	ND	U	8000	ND	U	400	ND	U	8000
	1,2-DICHLOROPROPANE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	8000	ND	U	800	ND	U	8000	ND	U	400	ND	U	8000
	1,3,5-TRIMETHYLBENZENE	ND	U	800	62		40	58		40	ND	U	40	59		40	ND	U	400	ND	U	8000	ND	U	800	ND	U	8000	ND	U	400	ND	U	8000
	1,3-DICHLOROBENZENE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	8000	ND	U	800	ND	U	8000	ND	U	400	ND	U	8000
	1,4-DICHLOROBENZENE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	8000	ND	U	800	ND	U	8000	ND	U	400	ND	U	8000
	2-BUTANONE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	870		400	ND	U	8000	ND	U	800	ND	U	8000	ND	U	400	ND	U	8000
	2-HEXANONE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	8000	ND	U	800	ND	U	8000	ND	U	400	ND	U	8000
	4-METHYL-2-PENTANONE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	8000	ND	U	800	ND	U	8000	ND	U	400	ND	U	8000
	ACETONE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	2000		400	ND	U	8000	2900		800	ND	U	8000	780		400	9200		8000
	BENZENE	850		800	1200		40	1000		40	1500		40	7500		800	11000		400	120000		8000	34000		8000	36000		8000	20000		400	180000		8000
	BENZENE, (CHLOROMETHYL)-	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	8000	ND	U	800	ND	U	8000	ND	U	400	ND	U	8000
	BROMODICHLOROMETHANE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	8000	ND	U	800	ND	U	8000	ND	U	400	ND	U	8000
	BROMOFORM	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	8000	ND	U	800	ND	U	8000	ND	U	400	ND	U	8000
	BROMOMETHANE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	8000	ND	U	800	ND	U	8000	ND	U	400	ND	U	8000
	CARBON DISULFIDE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	8000	ND	U	800	ND	U	8000	ND	U	400	ND	U	8000
	CARBON TETRACHLORIDE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	8000	ND	U	800	ND	U	8000	ND	U	400	ND	U	8000
	CHLOROBENZENE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	8000	ND	U	800	ND	U	8000	ND	U	400	ND	U	8000
	CHLOROETHANE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	8000	ND	U	800	ND	U	8000	ND	U	400	ND	U	8000
	CHLOROFORM	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	8000	ND	U	800	ND	U	8000	ND	U	400	ND	U	8000
	CHLOROMETHANE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	8000	ND	U	800	ND	U	8000	ND	U	400	ND	U	8000
	CIS-1,2-DICHLOROETHENE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	8000	ND	U	800	ND	U	8000	ND	U	400	ND	U	8000
	CIS-1,3-DICHLOROPROPENE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	8000	ND	U	800	ND	U	8000	ND	U	400	ND	U	8000
	CYCLOHEXANE	2600		1600	9400		1600	3000		1600	2400		1600	3200		1600	15000		800	160000		16000	20000		1600	110000		16000	3600		800	250000		40000
	DIBROMOCHLOROMETHANE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	8000	ND	U	800	ND	U	8000	ND	U	400	ND	U	8000
	DICHLORODIFLUOROMETHANE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	8000	ND	U	800	ND	U	8000	ND	U	400	ND	U	8000
	ERYTHRENE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	460		400	49000		8000	29000		800	ND	U	8000	12000		400	ND	U	8000
	ETHYL ACETATE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	8000	ND	U	800	ND	U	8000	ND	U	400	ND	U	8000
	ETHYLBENZENE	ND	U	1600	660		80	630		80	400		80	750		80	590	J	800	ND	U	16000	920	J	1600	ND	U	16000	900		800	8600	J	16000
	FREON 113	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	8000	ND	U	800	ND	U	8000	ND	U	400	ND	U	8000
	HEPTANE	2700		800	9600		800	3100		800	1900		40	1900		40	11000		400	88000		8000	11000		800	55000		8000	2600		400	250000		8000
	HEXACHLOROBUTADIENE	ND	U	1600	ND	U	80	ND	U	80	ND	U	80	ND	U	80	ND	U	800	ND	U	16000	ND	U	1600	ND	U	16000	ND	U	800	ND	U	16000
	HEXANE	1000	J	1600	1300		80	950		80	740		80	1200		80	12000		800	150000		16000	20000		1600	100000		16000	3500		800	280000		40000
	M,P-XYLENES	1400	J	1600	1500		80	1500		80	990		80	1600		80	1300		800	ND	U	16000	1500	J	1600	ND	U	16000	2400		800	23000		16000
	METHYL TERT-BUTYL ETHER	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	8000	ND	U	800	ND	U	8000	ND	U	400	ND	U	8000
	METHYLENE CHLORIDE	ND	U	4000	ND	U	200	ND	U	200	ND	U	200	ND	U	200	ND	U	2000	ND	U	40000	3400	J	4000	ND	U	40000	ND	U	2000	ND	U	40000
	NAPHTHALENE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	8000	ND	U	800	ND	U	8000	ND	U	400	ND	U	8000
	O-XYLENE	ND	U	800	410		40	390		40	290		40	530		40	ND	U	400	ND	U	8000	ND	U	800	ND	U	8000	730		400	ND	U	8000
	PROPYLENE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	1300		400	470000		20000	300000		8000	ND	U	8000	130000		8000	ND	U	8000
	STYRENE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	8000	ND	U	800	ND	U	8000	ND	U	400	ND	U	8000
	TETRACHLOROETHENE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	8000	ND	U	800	ND	U	8000	ND	U	400	ND	U	8000
	THF	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	8000	ND	U	800	ND	U	8000	ND	U	400	ND	U	8000
	TOLUENE	3800		800	12000		800	4400		800	3400		800	6200		800	13000		400	27000		8000	18000		800	37000		8000	14000		400	230000		8000
	TRANS-1,2-DICHLOROETHENE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	8000	ND	U	800	ND	U	8000	ND	U	400	ND	U	8000
	TRANS-1,3-DICHLOROPROPENE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	8000	ND	U	800	ND	U	8000	ND	U	400	ND	U	8000
	TRICHLOROETHENE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	8000	ND	U	800	ND	U	8000	ND	U	400	ND	U	8000
	TRICHLOROFLUOROMETHANE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	8000	ND	U	800	ND	U	8000	ND	U	400	ND	U	8000
	VINYL ACETATE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	8000	ND	U	800	ND	U	8000	ND	U	400	ND	U	8000
	VINYL CHLORIDE	ND	U	800	ND	U	40	ND	U	40	ND	U	40	ND	U	40	ND	U	400	ND	U	8000	ND	U	800	ND	U	8000	ND	U	400	ND	U	8000
	XYLENES	1400	J	2400	1900		120	1800		120	1300		120	2200		120	1300		1200	ND	U	24000	1500	J	2400	ND	U	24000	3100		1200	23000	J	24000
FIXED GASES Method D2504 (Percent)	CARBON DIOXIDE	0.086	J	0.1	0.07	J	0.1	0.081	J	0.1	0.084	J	0.1	0.1		0.1	0.07	J	0.1	5.8		0.1	7.7		0.1	0.12		0.1	7.8		0.1	0.64		0.1
	CMD	ND	U	0.1	ND	U	0.1	ND	U	0.1	ND	U	0.1	ND	U	0.1	ND	U	0.1	0.63		0.1	0.41		0.1	ND	U	0.1	0.25		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		0.1	78		0.1	78		0.1	78		0.1	78		0.1	77		0.1	82		0.1	84		0.1	78		0.1	85		0.1	78		0.1
	OXYGEN	21		0.1	21		0.1	21		0.1	20		0.1	20		0.1	21		0.1	8.1		0.1	4.6		0.1	21		0.1	3.1		0.1	19		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
April - June 2012

	LOCATION CODE	KAFB-106161-IN			KAFB-106161-POSTC1			ST106-IN			ST106-IN			ST106-POSTC1			ST106-POSTC2			SVEW-01-260			SVEW-02-060			SVEW-03-160			SVEW-03-160			SVEW-04-313		
	SAMPLE NO	VA9067			VA9068			VA9056			VA9057			VA9058			VA9059			VA1384			VA1385			VA1386			VA1387			VA1388		
	SAMPLE DATE	14-Jun-12			14-Jun-12			13-Jun-12			13-Jun-12			13-Jun-12			14-Jun-12			13-Jun-12			13-Jun-12			13-Jun-12			13-Jun-12			13-Jun-12		
	SAMPLE PURPOSE	FD			REG			REG			FD			REG			REG			REG			REG			REG			FD			REG		
	SAMPLE DEPTH	0-0 FT			0-0 FT			0-0 FT			0-0 FT			0-0 FT			0-0 FT			245-260 FT			45-60 FT			145-160 FT			145-160 FT			298-313 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	1.4E+07		2300000	250000		47000	630000	J-	94000	210000	J-	94000	220000		47000	33000		4700	3.5E+07		4700000	4.1E+07		4700000	4.7E+07	J-	9400000	4.7E+07	J-	9400000	1.6E+07	J-	2300000
	C9-C10 AROMATIC HYDROCARBONS	ND	U	2700000	ND	U	53000	ND	UJ	110000	ND	UJ	110000	ND	U	53000	ND	U	5300	ND	U	5300000	ND	U	5300000	ND	UJ	1.1E+07	ND	UJ	1.1E+07	ND	UJ	2700000
	C9-C12 ALIPHATIC HYDROCARBONS	1600000	J	3800000	43000	J	76000	220000	J-	150000	91000	J-	150000	30000	J	76000	5100	J	7600	1100000	J	7600000	1800000	J	7600000	ND	UJ	1.5E+07	ND	UJ	1.5E+07	1700000	J-	3800000
VOCs (ppbv) Method TO15	1,1,1-TRICHLOROETHANE	ND	U	8000	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000
	1,1,2,2-TETRACHLOROETHANE	ND	U	8000	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000
	1,1,2-TRICHLOROETHANE	ND	U	8000	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000
	1,1-DICHLOROETHANE	ND	U	8000	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000
	1,1-DICHLOROETHENE	ND	U	8000	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000
	1,2,4-TRICHLOROBENZENE	ND	U	8000	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000
	1,2,4-TRIMETHYLBENZENE	ND	U	8000	ND	U	40	560		400	ND	U	400	ND	U	400	ND	U	40	ND	U	40000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000
	1,2-DIBROMOETHANE	ND	U	8000	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000
	1,2-DICHLOROBENZENE	ND	U	8000	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000
	1,2-DICHLOROETHANE	ND	U	8000	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000
	1,2-DICHLOROPROPANE	ND	U	8000	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000
	1,3,5-TRIMETHYLBENZENE	ND	U	8000	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000
	1,3-DICHLOROBENZENE	ND	U	8000	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000
	1,4-DICHLOROBENZENE	ND	U	8000	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000
	2-BUTANONE	ND	U	8000	ND	U	40	470		400	ND	U	400	500		400	ND	U	40	120000	J	40000	74000	J	40000	45000		20000	64000		20000	45000		8000
	2-HEXANONE	ND	U	8000	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000
	4-METHYL-2-PENTANONE	ND	U	8000	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000
	ACETONE	ND	U	8000	ND	U	40	1700		400	640		400	4000		400	ND	U	40	920000		40000	670000		40000	430000		20000	560000		20000	270000	J	8000
	BENZENE	170000		8000	7100		400	2300		400	430		400	970		400	900		40	200000		40000	290000		40000	320000		20000	390000		20000	120000		8000
	BENZENE, (CHLOROMETHYL)-	ND	U	8000	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000
	BROMODICHLOROMETHANE	ND	U	8000	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000
	BROMOFORM	ND	U	8000	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000
	BROMOMETHANE	ND	U	8000	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000
	CARBON DISULFIDE	ND	U	8000	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000
	CARBON TETRACHLORIDE	ND	U	8000	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000
	CHLOROBENZENE	ND	U	8000	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000
	CHLOROETHANE	ND	U	8000	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000
	CHLOROFORM	ND	U	8000	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000
	CHLOROMETHANE	ND	U	8000	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000
	CIS-1,2-DICHLOROETHENE	ND	U	8000	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000
	CIS-1,3-DICHLOROPROPENE	ND	U	8000	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000
	CYCLOHEXANE	450000		40000	3600		800	6200		800	1100		800	2600		800	650		80	950000		80000	1400000		80000	1300000		160000	1600000		160000	390000		40000
	DIBROMOCHLOROMETHANE	ND	U	8000	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000
	DICHLORODIFLUOROMETHANE	ND	U	8000	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000
	ERYTHRENE	ND	U	8000	1600		40	ND	U	400	ND	U	400	520		400	ND	U	40	ND	U	40000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000
	ETHYL ACETATE	ND	U	8000	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000
	ETHYLBENZENE	ND	U	16000	140		80	1700		800	430	J	800	ND	U	800	50	J	80	ND	U	80000	ND	U	80000	ND	U	40000	ND	U	40000	23000		16000
	FREON 113	ND	U	8000	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000
	HEPTANE	240000		8000	2400		400	8100		400	1300		400	3200		400	530		40	840000		40000	1100000		40000	490000		20000	590000		20000	340000		8000
	HEXACHLOROBUTADIENE	ND	U	16000	ND	U	80	ND	U	800	ND	U	800	ND	U	800	ND	U	80	ND	U	80000	ND	U	80000	ND	U	40000	ND	U	40000	ND	U	16000
	HEXANE	520000		40000	5900		800	3000		800	560	J	800	2400		800	450		80	660000		80000	1300000		80000	2000000		160000	2400000		160000	340000		16000
	M,P-XYLENES	17000		16000	170		80	4900		800	1200		800	420	J	800	140		80	ND	U	80000	56000	J	80000	41000		40000	45000		40000	58000		16000
	METHYL TERT-BUTYL ETHER	ND	U	8000	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000
	METHYLENE CHLORIDE	ND	U	40000	ND	U	200	1400	J	2000	ND	U	2000	4400		2000	ND	U	200	ND	U	200000	ND	U	200000	ND	U	100000	ND	U	100000	ND	U	40000
	NAPHTHALENE	ND	U	8000	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000
	O-XYLENE	ND	U	8000	49		40	1500		400	ND	U	400	ND	U	400	ND	U	40	ND	U	40000	ND	U	40000	ND	U	20000	ND	U	20000	18000		8000
	PROPYLENE	ND	U	8000	14000		400	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000
	STYRENE	ND	U	8000	95		40	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000
	TETRACHLOROETHENE	ND	U	8000	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000
	THF	ND	U	8000	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000
	TOLUENE	200000		8000	2300		400	15000		400	2800		400	1400		400	1100		40	400000		40000	540000		40000	260000		20000	320000		20000	300000		8000
	TRANS-1,2-DICHLOROETHENE	ND	U	8000	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000
	TRANS-1,3-DICHLOROPROPENE	ND	U	8000	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000
	TRICHLOROETHENE	ND	U	8000	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000
	TRICHLOROFLUOROMETHANE	ND	U	8000	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000
	VINYL ACETATE	ND	U	8000	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000
	VINYL CHLORIDE	ND	U	8000	ND	U	40	ND	U	400	ND	U	400	ND	U	400	ND	U	40	ND	U	40000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000
	XYLENES	17000	J	24000	210		120	6400		1200	1200		1200	420	J	1200	140		120	ND	U	120000	56000	J	120000	41000	J	60000	45000	J	60000	75000		24000
FIXED GASES Method D2504 (Percent)	CARBON DIOXIDE	0.59		0.1	8.1		0.1	2.7		0.1	2.5		0.1	8.9		0.1	8.9		0.1	3.1		0.1	10		0.1	7.9		0.1	8.3		0.1	1.1		0.1
	CMD	ND	U	0.1	0.25		0.1	ND	U	0.1	ND	U	0.1	0.15		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		0.1	85		0.1	81		0.1	80		0.1	85		0.1	85		0.1	80		0.1	86		0.1	85		0.1	85		0.1	79		0.1
	OXYGEN	19		0.1	2.8		0.1	15		0.1	15		0.1	2.7		0.1	3.3		0.1	14		0.1	3.2		0.1	6.1		0.1	5.1		0.1	19		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
April - June 2012

	LOCATION CODE	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			SVMW-01-100		
	SAMPLE NO	VA1389			VA1390			VA1391			VA1392			VA1393			VA1394			VA1395			VA1396			VA1397			VA1316			VA1317		
	SAMPLE DATE	13-Jun-12			13-Jun-12			13-Jun-12			13-Jun-12			13-Jun-12			25-Jun-12			21-Jun-12			25-Jun-12			6-Jun-12			17-May-12			17-May-12		
	SAMPLE PURPOSE	REG			REG			REG			REG			REG			REG			REG			REG			REG			REG			REG		
	SAMPLE DEPTH	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			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) Method MADEP APH	C5-C8 ALIPHATIC HYDROCARBONS	1.4E+07	J-	2300000	9700000	J-	2300000	1E+07	J-	2300000	7500000	J-	940000	6500000	J-	940000	130000		47000	680000		94000	400000		47000	7400000		2300000	260000		94000	1.5E+07		2300000
	C9-C10 AROMATIC HYDROCARBONS	ND	UJ	2700000	ND	UJ	2700000	ND	UJ	2700000	ND	UJ	1100000	ND	UJ	1100000	ND	U	53000	ND	U	110000	ND	U	53000	ND	U	2700000	ND	U	110000	ND	U	2700000
	C9-C12 ALIPHATIC HYDROCARBONS	2300000	J-	3800000	1600000	J-	3800000	1200000	J-	3800000	1200000	J-	1500000	870000	J-	1500000	26000	J	76000	85000	J	150000	63000	J	76000	ND	U	3800000	ND	U	150000	ND	U	3800000
VOCs (ppbv) Method TO15	1,1,1-TRICHLOROETHANE	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	8000	ND	U	200	ND	U	20000
	1,1,2,2-TETRACHLOROETHANE	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	8000	ND	U	200	ND	U	20000
	1,1,2-TRICHLOROETHANE	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	8000	ND	U	200	ND	U	20000
	1,1-DICHLOROETHANE	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	8000	ND	U	200	ND	U	20000
	1,1-DICHLOROETHENE	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	8000	ND	U	200	ND	U	20000
	1,2,4-TRICHLOROBENZENE	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	8000	ND	U	200	ND	U	20000
	1,2,4-TRIMETHYLBENZENE	ND	U	8000	ND	U	8000	ND	U	20000	3000		800	2500		800	ND	U	40	ND	U	800	ND	U	40	ND	U	8000	ND	U	200	ND	U	20000
	1,2-DIBROMOETHANE	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	8000	ND	U	200	ND	U	20000
	1,2-DICHLOROBENZENE	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	8000	ND	U	200	ND	U	20000
	1,2-DICHLOROETHANE	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	8000	ND	U	200	ND	U	20000
	1,2-DICHLOROPROPANE	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	8000	ND	U	200	ND	U	20000
	1,3,5-TRIMETHYLBENZENE	ND	U	8000	ND	U	8000	ND	U	20000	1400		800	1200		800	ND	U	40	ND	U	800	ND	U	40	ND	U	8000	ND	U	200	ND	U	20000
	1,3-DICHLOROBENZENE	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	8000	ND	U	200	ND	U	20000
	1,4-DICHLOROBENZENE	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	8000	ND	U	200	ND	U	20000
	2-BUTANONE	ND	U	8000	14000		8000	23000		20000	4600		800	2400		800	ND	U	40	ND	U	800	ND	U	40	ND	U	8000	ND	U	200	ND	U	20000
	2-HEXANONE	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	8000	ND	U	200	ND	U	20000
	4-METHYL-2-PENTANONE	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	8000	ND	U	200	ND	U	20000
	ACETONE	57000		8000	63000	J	8000	130000	J	20000	23000	J	800	9000	J	800	ND	U	40	1500		800	ND	U	40	ND	U	8000	300		200	ND	U	20000
	BENZENE	98000		8000	68000		8000	110000		20000	19000		800	12000		800	ND	U	40	4900		800	ND	U	40	310000		8000	740		200	73000		20000
	BENZENE, (CHLOROMETHYL)-	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	8000	ND	U	200	ND	U	20000
	BROMODICHLOROMETHANE	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	8000	ND	U	200	ND	U	20000
	BROMOFORM	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	8000	ND	U	200	ND	U	20000
	BROMOMETHANE	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	8000	ND	U	200	ND	U	20000
	CARBON DISULFIDE	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	8000	ND	U	200	ND	U	20000
	CARBON TETRACHLORIDE	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	8000	ND	U	200	ND	U	20000
	CHLOROBENZENE	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	8000	ND	U	200	ND	U	20000
	CHLOROETHANE	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	8000	ND	U	200	ND	U	20000
	CHLOROFORM	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	8000	ND	U	200	ND	U	20000
	CHLOROMETHANE	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	8000	ND	U	200	ND	U	20000
	CIS-1,2-DICHLOROETHENE	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	8000	ND	U	200	ND	U	20000
	CIS-1,3-DICHLOROPROPENE	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	8000	ND	U	200	ND	U	20000
	CYCLOHEXANE	250000		16000	290000		16000	390000		40000	280000		16000	250000		16000	ND	U	80	6100		1600	ND	U	80	230000		16000	2200		400	700000		40000
	DIBROMOCHLOROMETHANE	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	8000	ND	U	200	ND	U	20000
	DICHLORODIFLUOROMETHANE	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	8000	ND	U	200	ND	U	20000
	ERYTHRENE	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	8000	ND	U	200	ND	U	20000
	ETHYL ACETATE	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	8000	ND	U	200	ND	U	20000
	ETHYLBENZENE	15000	J	16000	21000		16000	21000	J	40000	11000		1600	7900		1600	ND	U	80	ND	U	1600	ND	U	80	12000	J	16000	ND	U	400	ND	U	40000
	FREON 113	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	8000	ND	U	200	ND	U	20000
	HEPTANE	180000		8000	160000		8000	220000		20000	95000		8000	39000		800	ND	U	40	1500		800	ND	U	40	130000		8000	1100		200	250000		20000
	HEXACHLOROBUTADIENE	ND	U	16000	ND	U	16000	ND	U	40000	ND	U	1600	ND	U	1600	ND	U	80	ND	U	1600	ND	U	80	ND	U	16000	ND	U	400	ND	U	40000
	HEXANE	240000		16000	290000		16000	720000		40000	130000		16000	110000		16000	ND	U	80	3900		1600	ND	U	80	170000		16000	1000		400	890000		40000
	M,P-XYLENES	37000		16000	45000		16000	53000		40000	25000		1600	20000		1600	88		80	ND	U	1600	86		80	29000		16000	410		400	ND	U	40000
	METHYL TERT-BUTYL ETHER	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	8000	ND	U	200	ND	U	20000
	METHYLENE CHLORIDE	ND	U	40000	ND	U	40000	ND	U	100000	ND	U	4000	ND	U	4000	ND	U	200	ND	U	4000	ND	U	200	ND	U	40000	ND	U	1000	ND	U	100000
	NAPHTHALENE	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	8000	ND	U	200	ND	U	20000
	O-XYLENE	11000		8000	14000		8000	ND	U	20000	8400		800	6500		800	ND	U	40	ND	U	800	ND	U	40	ND	U	8000	ND	U	200	ND	U	20000
	PROPYLENE	ND	U	8000	ND	U	8000	ND	U	20000	3000		800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	8000	ND	U	200	ND	U	20000
	STYRENE	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	8000	ND	U	200	ND	U	20000
	TETRACHLOROETHENE	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	8000	ND	U	200	ND	U	20000
	THF	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	8000	ND	U	200	ND	U	20000
	TOLUENE	160000		8000	150000		8000	190000		20000	93000		8000	68000		8000	420		40	8500		800	400		40	400000		20000	1700		200	46000		20000
	TRANS-1,2-DICHLOROETHENE	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	8000	ND	U	200	ND	U	20000
	TRANS-1,3-DICHLOROPROPENE	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	8000	ND	U	200	ND	U	20000
	TRICHLOROETHENE	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	8000	ND	U	200	ND	U	20000
	TRICHLOROFLUOROMETHANE	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	8000	ND	U	200	ND	U	20000
	VINYL ACETATE	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	8000	ND	U	200	ND	U	20000
	VINYL CHLORIDE	ND	U	8000	ND	U	8000	ND	U	20000	ND	U	800	ND	U	800	ND	U	40	ND	U	800	ND	U	40	ND	U	8000	ND	U	200	ND	U	20000
	XYLENES	48000		24000	59000		24000	53000	J	60000	34000		2400	26000		2400	88	J	120	ND	U	2400	86	J	120	29000		24000	410	J	600	ND	U	60000
FIXED GASES Method D2504 (Percent)	CARBON DIOXIDE	1.4		0.1	5.9		0.1	0.75		0.1	1.6		0.1	1.5		0.1	0.073	J	0.1	0.32		0.1	0.053	J	0.1	0.086	J	0.1	5.8		0.1	7.8		0.1
	CMD	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		0.1	84		0.1	78		0.1	81		0.1	81		0.1	78		0.1	80		0.1	78		0.1	76		0.1	83		0.1	84		0.1
	OXYGEN	19		0.1	10		0.1	19		0.1	17		0.1	17		0.1	21		0.1	19		0.1	21		0.1	20		0.1	11		0.1	7.7		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
April - June 2012

	LOCATION CODE	SVMW-01-250			SVMW-01-300			SVMW-02-050			SVMW-02-100			SVMW-02-150			SVMW-03-050			SVMW-03-100			SVMW-03-250			SVMW-03-250			SVMW-03-300			SVMW-04-050		
	SAMPLE NO	VA1318			VA1319			VA1320			VA1321			VA1322			VA1323			VA1324			VA1325			VA1326			VA1327			VA1328		
	SAMPLE DATE	17-May-12			17-May-12			4-Jun-12			4-Jun-12			4-Jun-12			17-May-12			17-May-12			17-May-12			17-May-12			17-May-12			29-May-12		
	SAMPLE PURPOSE	REG			REG			REG			REG			REG			REG			REG			REG			FD			REG			REG		
	SAMPLE DEPTH	251-253 FT			309-311 FT			50-53 FT			97-100 FT			150-153 FT			50-53 FT			100-103 FT			250-253 FT			250-253 FT			300-303 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	1600000		940000	1600000		940000	120000		47000	7900000		2300000	2600000		940000	9300		4700	2.1E+07		2300000	1.6E+07		2300000	1.6E+07		2300000	1.9E+07		2300000	2900000		940000
	C9-C10 AROMATIC HYDROCARBONS	ND	U	1100000	ND	U	1100000	ND	U	53000	ND	U	2700000	ND	U	1100000	ND	U	5300	ND	U	2700000	ND	U	2700000	ND	U	2700000	ND	U	2700000	ND	U	1100000
	C9-C12 ALIPHATIC HYDROCARBONS	ND	U	1500000	ND	U	1500000	ND	U	76000	ND	U	3800000	ND	U	1500000	3400	J	7600	ND	U	3800000	ND	U	3800000	ND	U	3800000	ND	U	3800000	ND	U	1500000
VOCs (ppbv) Method TO15	1,1,1-TRICHLOROETHANE	ND	U	8000	ND	U	800	ND	U	400	ND	U	20000	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	800
	1,1,2,2-TETRACHLOROETHANE	ND	U	8000	ND	U	800	ND	U	400	ND	U	20000	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	800
	1,1,2-TRICHLOROETHANE	ND	U	8000	ND	U	800	ND	U	400	ND	U	20000	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	800
	1,1-DICHLOROETHANE	ND	U	8000	ND	U	800	ND	U	400	ND	U	20000	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	800
	1,1-DICHLOROETHENE	ND	U	8000	ND	U	800	ND	U	400	ND	U	20000	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	800
	1,2,4-TRICHLOROBENZENE	ND	U	8000	ND	U	800	ND	U	400	ND	U	20000	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	800
	1,2,4-TRIMETHYLBENZENE	ND	U	8000	ND	U	800	ND	U	400	ND	U	20000	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	800
	1,2-DIBROMOETHANE	ND	U	8000	ND	U	800	ND	U	400	ND	U	20000	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	800
	1,2-DICHLOROBENZENE	ND	U	8000	ND	U	800	ND	U	400	ND	U	20000	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	800
	1,2-DICHLOROETHANE	ND	U	8000	ND	U	800	ND	U	400	ND	U	20000	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	800
	1,2-DICHLOROPROPANE	ND	U	8000	ND	U	800	ND	U	400	ND	U	20000	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	800
	1,3,5-TRIMETHYLBENZENE	ND	U	8000	ND	U	800	ND	U	400	ND	U	20000	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	800
	1,3-DICHLOROBENZENE	ND	U	8000	ND	U	800	ND	U	400	ND	U	20000	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	800
	1,4-DICHLOROBENZENE	ND	U	8000	ND	U	800	ND	U	400	ND	U	20000	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	800
	2-BUTANONE	ND	U	8000	ND	U	800	ND	U	400	ND	U	20000	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	800
	2-HEXANONE	ND	U	8000	ND	U	800	ND	U	400	ND	U	20000	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	800
	4-METHYL-2-PENTANONE	ND	U	8000	ND	U	800	ND	U	400	ND	U	20000	1900		800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	800
	ACETONE	ND	U	8000	ND	U	800	1800		400	ND	U	20000	1400		800	2400		800	ND	U	20000	27000		20000	34000		20000	ND	U	20000	ND	U	800
	BENZENE	9400		8000	10000		800	560		400	95000		20000	29000		800	16000		800	270000		20000	280000		20000	330000		20000	200000		20000	20000		800
	BENZENE, (CHLOROMETHYL)-	ND	U	8000	ND	U	800	ND	U	400	ND	U	20000	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	800
	BROMODICHLOROMETHANE	ND	U	8000	ND	U	800	ND	U	400	ND	U	20000	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	800
	BROMOFORM	ND	U	8000	ND	U	800	ND	U	400	ND	U	20000	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	800
	BROMOMETHANE	ND	U	8000	ND	U	800	ND	U	400	ND	U	20000	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	800
	CARBON DISULFIDE	ND	U	8000	ND	U	800	ND	U	400	ND	U	20000	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	800
	CARBON TETRACHLORIDE	ND	U	8000	ND	U	800	ND	U	400	ND	U	20000	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	800
	CHLOROBENZENE	ND	U	8000	ND	U	800	ND	U	400	ND	U	20000	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	800
	CHLOROETHANE	ND	U	8000	ND	U	800	ND	U	400	ND	U	20000	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	800
	CHLOROFORM	ND	U	8000	ND	U	800	ND	U	400	ND	U	20000	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	800
	CHLOROMETHANE	ND	U	8000	ND	U	800	ND	U	400	ND	U	20000	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	800
	CIS-1,2-DICHLOROETHENE	ND	U	8000	ND	U	800	ND	U	400	ND	U	20000	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	800
	CIS-1,3-DICHLOROPROPENE	ND	U	8000	ND	U	800	ND	U	400	ND	U	20000	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	800
	CYCLOHEXANE	59000		16000	20000		1600	1300		800	280000		40000	62000		16000	820	J	1600	940000		40000	710000		40000	770000		40000	970000		40000	9800		1600
	DIBROMOCHLOROMETHANE	ND	U	8000	ND	U	800	ND	U	400	ND	U	20000	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	800
	DICHLORODIFLUOROMETHANE	ND	U	8000	ND	U	800	ND	U	400	ND	U	20000	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	800
	ERYTHRENE	ND	U	8000	ND	U	800	ND	U	400	ND	U	20000	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	800
	ETHYL ACETATE	ND	U	8000	ND	U	800	ND	U	400	ND	U	20000	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	800
	ETHYLBENZENE	ND	U	16000	ND	U	1600	ND	U	800	ND	U	40000	960	J	1600	ND	U	1600	ND	U	40000	ND	U	40000	21000	J	40000	ND	U	40000	ND	U	1600
	FREON 113	ND	U	8000	ND	U	800	ND	U	400	ND	U	20000	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	800
	HEPTANE	30000		8000	8400		800	1900		400	91000		20000	17000		800	ND	U	800	320000		20000	340000		20000	380000		20000	710000		20000	2700		800
	HEXACHLOROBUTADIENE	ND	U	16000	ND	U	1600	ND	U	800	ND	U	40000	ND	U	1600	ND	U	1600	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	1600
	HEXANE	56000		16000	19000		1600	3100		800	170000		40000	58000		16000	ND	U	1600	550000		40000	720000		40000	750000		40000	570000		40000	5600		1600
	M,P-XYLENES	ND	U	16000	1500	J	1600	940		800	ND	U	40000	2800		1600	ND	U	1600	23000	J	40000	29000	J	40000	40000		40000	40000		40000	ND	U	1600
	METHYL TERT-BUTYL ETHER	ND	U	8000	ND	U	800	ND	U	400	ND	U	20000	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	800
	METHYLENE CHLORIDE	ND	U	40000	ND	U	4000	1900	J	2000	ND	U	100000	2400	J	4000	2700	J	4000	ND	U	100000	ND	U	100000	ND	U	100000	ND	U	100000	ND	U	4000
	NAPHTHALENE	ND	U	8000	ND	U	800	ND	U	400	ND	U	20000	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	800
	O-XYLENE	ND	U	8000	ND	U	800	ND	U	400	ND	U	20000	940		800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	800
	PROPYLENE	ND	U	8000	860		800	ND	U	400	ND	U	20000	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	800
	STYRENE	ND	U	8000	ND	U	800	ND	U	400	ND	U	20000	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	800
	TETRACHLOROETHENE	ND	U	8000	ND	U	800	ND	U	400	ND	U	20000	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	800
	THF	ND	U	8000	ND	U	800	ND	U	400	ND	U	20000	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	800
	TOLUENE	12000		8000	4400		800	3600		400	170000		20000	30000		800	2400		800	ND	U	20000	280000		20000	360000		20000	400000		20000	ND	U	800
	TRANS-1,2-DICHLOROETHENE	ND	U	8000	ND	U	800	ND	U	400	ND	U	20000	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	800
	TRANS-1,3-DICHLOROPROPENE	ND	U	8000	ND	U	800	ND	U	400	ND	U	20000	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	800
	TRICHLOROETHENE	ND	U	8000	ND	U	800	ND	U	400	ND	U	20000	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	800
	TRICHLOROFLUOROMETHANE	ND	U	8000	ND	U	800	ND	U	400	ND	U	20000	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	800
	VINYL ACETATE	ND	U	8000	ND	U	800	ND	U	400	ND	U	20000	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	800
	VINYL CHLORIDE	ND	U	8000	ND	U	800	ND	U	400	ND	U	20000	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	20000	ND	U	800
	XYLENES	ND	U	24000	1500	J	2400	940	J	1200	ND	U	60000	3700		2400	ND	U	2400	23000	J	60000	29000	J	60000	40000	J	60000	40000	J	60000	ND	U	2400
FIXED GASES Method D2504 (Percent)	CARBON DIOXIDE	0.73		0.1	0.37		0.1	0.4		0.1	6.9		0.1	0.58		0.1	7.5		0.1	9.1		0.1	1.5		0.1	1.6		0.1	2.6		0.1	6.2		0.1
	CMD	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		0.1	80		0.1	80		0.1	82		0.1	79		0.1	86		0.1	84		0.1	81		0.1	81		0.1	81		0.1	82		0.1
	OXYGEN	19		0.1	20		0.1	20		0.1	9.4		0.1	19		0.1	7.7		0.1	6.1		0.1	18		0.1	17		0.1	16		0.1	11		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
April - June 2012

	LOCATION CODE	SVMW-04-100			SVMW-04-250			SVMW-04-300			SVMW-05-050			SVMW-05-100			SVMW-05-100			SVMW-05-230			SVMW-05-290			SVMW-06-050			SVMW-06-100			SVMW-06-252		
	SAMPLE NO	VA1329			VA1330			VA1331			VA1332			VA1333			VA1334			VA1335			VA1336			VA1337			VA1338			VA1339		
	SAMPLE DATE	29-May-12			29-May-12			29-May-12			30-May-12			30-May-12			30-May-12			30-May-12			30-May-12			5-Jun-12			5-Jun-12			5-Jun-12		
	SAMPLE PURPOSE	REG			REG			REG			REG			REG			FD			REG			REG			REG			REG			REG		
	SAMPLE DEPTH	98-101 FT			250-253 FT			298-300 FT			50-53 FT			100-103 FT			100-103 FT			230-231 FT			288-290 FT			50-53 FT			100-102 FT			252-255 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	3.7E+07		4700000	9300000		2300000	1700000		940000	5100000		2300000	3300000		940000	3700000		940000	3400000		940000	2700000		940000	230000		94000	130000		47000	1.8E+07		2300000
	C9-C10 AROMATIC HYDROCARBONS	ND	U	5300000	ND	U	2700000	ND	U	1100000	ND	U	2700000	ND	U	1100000	ND	U	1100000	ND	U	1100000	ND	U	1100000	ND	U	110000	ND	U	53000	ND	U	2700000
	C9-C12 ALIPHATIC HYDROCARBONS	ND	U	7600000	ND	U	3800000	ND	U	1500000	ND	U	3800000	ND	U	1500000	ND	U	1500000	ND	U	1500000	ND	U	1500000	ND	U	150000	ND	U	76000	ND	U	3800000
VOCs (ppbv) Method TO15	1,1,1-TRICHLOROETHANE	ND	U	20000	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000
	1,1,2,2-TETRACHLOROETHANE	ND	U	20000	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000
	1,1,2-TRICHLOROETHANE	ND	U	20000	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000
	1,1-DICHLOROETHANE	ND	U	20000	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000
	1,1-DICHLOROETHENE	ND	U	20000	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000
	1,2,4-TRICHLOROBENZENE	ND	U	20000	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000
	1,2,4-TRIMETHYLBENZENE	ND	U	20000	ND	U	8000	ND	U	800	ND	U	8000	1200		800	ND	U	800	1000		800	890		800	ND	U	800	ND	U	400	ND	U	8000
	1,2-DIBROMOETHANE	ND	U	20000	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000
	1,2-DICHLOROBENZENE	ND	U	20000	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000
	1,2-DICHLOROETHANE	ND	U	20000	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000
	1,2-DICHLOROPROPANE	ND	U	20000	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000
	1,3,5-TRIMETHYLBENZENE	ND	U	20000	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000
	1,3-DICHLOROBENZENE	ND	U	20000	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000
	1,4-DICHLOROBENZENE	ND	U	20000	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000
	2-BUTANONE	ND	U	20000	ND	U	8000	ND	U	800	14000		8000	4500		800	6800		800	4100		800	3100		800	ND	U	800	ND	U	400	ND	U	8000
	2-HEXANONE	ND	U	20000	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000
	4-METHYL-2-PENTANONE	ND	U	20000	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000
	ACETONE	ND	U	20000	ND	U	8000	ND	U	800	29000	J	8000	6000		800	10000	J	800	7300		800	4800		800	ND	U	800	ND	U	400	ND	U	8000
	BENZENE	240000		20000	83000		8000	21000		800	71000		8000	28000		800	34000		800	23000		800	20000		800	1100		800	520		400	390000		20000
	BENZENE, (CHLOROMETHYL)-	ND	U	20000	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000
	BROMODICHLOROMETHANE	ND	U	20000	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000
	BROMOFORM	ND	U	20000	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000
	BROMOMETHANE	ND	U	20000	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000
	CARBON DISULFIDE	ND	U	20000	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000
	CARBON TETRACHLORIDE	ND	U	20000	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000
	CHLOROBENZENE	ND	U	20000	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000
	CHLOROETHANE	ND	U	20000	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000
	CHLOROFORM	ND	U	20000	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000
	CHLOROMETHANE	ND	U	20000	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000
	CIS-1,2-DICHLOROETHENE	ND	U	20000	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000
	CIS-1,3-DICHLOROPROPENE	ND	U	20000	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000
	CYCLOHEXANE	810000		40000	540000		40000	37000		1600	190000		16000	130000		16000	130000		16000	85000		16000	65000		16000	3200		1600	1500		800	500000		40000
	DIBROMOCHLOROMETHANE	ND	U	20000	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000
	DICHLORODIFLUOROMETHANE	ND	U	20000	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000
	ERYTHRENE	ND	U	20000	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000
	ETHYL ACETATE	ND	U	20000	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000
	ETHYLBENZENE	ND	U	40000	ND	U	16000	1500	J	1600	26000		16000	13000		1600	11000		1600	12000		1600	9100		1600	ND	U	1600	ND	U	800	ND	U	16000
	FREON 113	ND	U	20000	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000
	HEPTANE	350000		20000	590000		20000	61000		8000	290000		8000	170000		8000	160000		8000	140000		8000	100000		8000	2700		800	1500		400	92000		8000
	HEXACHLOROBUTADIENE	ND	U	40000	ND	U	16000	ND	U	1600	ND	U	16000	ND	U	1600	ND	U	1600	ND	U	1600	ND	U	1600	ND	U	1600	ND	U	800	ND	U	16000
	HEXANE	800000		40000	450000		40000	26000		1600	69000		16000	35000		1600	50000		16000	23000		1600	19000		1600	1300	J	1600	ND	U	800	430000		40000
	M,P-XYLENES	ND	U	40000	13000	J	16000	5600		1600	65000		16000	32000		1600	28000		1600	32000		1600	24000		1600	1500	J	1600	970		800	ND	U	16000
	METHYL TERT-BUTYL ETHER	ND	U	20000	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000
	METHYLENE CHLORIDE	ND	U	100000	ND	U	40000	ND	U	4000	ND	U	40000	ND	U	4000	3300	J	4000	ND	U	4000	ND	U	4000	2100	J	4000	ND	U	2000	ND	U	40000
	NAPHTHALENE	ND	U	20000	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000
	O-XYLENE	ND	U	20000	ND	U	8000	1700		800	17000		8000	8900		800	7300		800	8800		800	6700		800	ND	U	800	ND	U	400	ND	U	8000
	PROPYLENE	27000		20000	12000		8000	1200		800	ND	U	8000	810		800	840		800	850		800	1100		800	ND	U	800	ND	U	400	ND	U	8000
	STYRENE	ND	U	20000	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000
	TETRACHLOROETHENE	ND	U	20000	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000
	THF	ND	U	20000	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000
	TOLUENE	230000		20000	110000		8000	32000		800	370000		20000	290000		8000	240000		8000	250000		8000	190000		8000	5800		800	3800		400	54000		8000
	TRANS-1,2-DICHLOROETHENE	ND	U	20000	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000
	TRANS-1,3-DICHLOROPROPENE	ND	U	20000	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000
	TRICHLOROETHENE	ND	U	20000	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000
	TRICHLOROFLUOROMETHANE	ND	U	20000	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000
	VINYL ACETATE	ND	U	20000	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000
	VINYL CHLORIDE	ND	U	20000	ND	U	8000	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	800	ND	U	400	ND	U	8000
	XYLENES	ND	U	60000	13000	J	24000	7300		2400	81000		24000	41000		2400	35000		2400	40000		2400	31000		2400	1500	J	2400	970	J	1200	ND	U	24000
FIXED GASES Method D2504 (Percent)	CARBON DIOXIDE	5.5		0.1	0.67		0.1	0.54		0.1	3.6		0.1	3.7		0.1	4.8		0.1	0.42		0.1	0.47		0.1	2.1		0.1	3.2		0.1	1.3		0.1
	CMD	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		0.1	80		0.1	80		0.1	81		0.1	80		0.1	81		0.1	79		0.1	80		0.1	80		0.1	80		0.1	83		0.1
	OXYGEN	12		0.1	19		0.1	19		0.1	16		0.1	16		0.1	14		0.1	20		0.1	20		0.1	17		0.1	16		0.1	15		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.

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

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ND = Not detected.

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

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Table 4-2
Soil Vapor Analytical Results
April - June 2012

	LOCATION CODE	SVMW-06-302			SVMW-07-050			SVMW-07-100			SVMW-07-100			SVMW-07-150			SVMW-08-050			SVMW-08-100			SVMW-08-250			SVMW-09-050			SVMW-09-100			SVMW-09-250		
	SAMPLE NO	VA1340			VA1341			VA1342			VA1343			VA1344			VA1345			VA1346			VA1347			VA1349			VA1350			VA1351		
	SAMPLE DATE	6-Jun-12			5-Jun-12			5-Jun-12			5-Jun-12			5-Jun-12			15-May-12			15-May-12			15-May-12			12-Jun-12			12-Jun-12			12-Jun-12		
	SAMPLE PURPOSE	REG			REG			REG			FD			REG			REG			REG			REG			REG			REG			REG		
	SAMPLE DEPTH	303-305 FT			50-52 FT			96-98 FT			96-98 FT			148-150 FT			50-53 FT			100-103 FT			250-253 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	9700000		2300000	47000		23000	1600000		940000	1200000		190000	250000		94000	1.6E+07		2300000	490000		47000	1200000		94000	7000000		2300000	6E+07		9400000	1.1E+07		2300000
	C9-C10 AROMATIC HYDROCARBONS	ND	U	2700000	ND	U	27000	ND	U	1100000	ND	U	210000	ND	U	110000	ND	U	2700000	ND	U	53000	ND	U	110000	ND	U	2700000	ND	U	1.1E+07	ND	U	2700000
	C9-C12 ALIPHATIC HYDROCARBONS	ND	U	3800000	ND	U	38000	ND	U	1500000	ND	U	300000	ND	U	150000	ND	U	3800000	39000	J	76000	ND	U	150000	ND	U	3800000	ND	U	1.5E+07	ND	U	3800000
VOCs (ppbv) Method TO15	1,1,1-TRICHLOROETHANE	ND	U	8000	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	400	ND	U	800	ND	U	8000	ND	U	80000	ND	U	8000
	1,1,2,2-TETRACHLOROETHANE	ND	U	8000	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	400	ND	U	800	ND	U	8000	ND	U	80000	ND	U	8000
	1,1,2-TRICHLOROETHANE	ND	U	8000	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	400	ND	U	800	ND	U	8000	ND	U	80000	ND	U	8000
	1,1-DICHLOROETHANE	ND	U	8000	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	400	ND	U	800	ND	U	8000	ND	U	80000	ND	U	8000
	1,1-DICHLOROETHENE	ND	U	8000	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	400	ND	U	800	ND	U	8000	ND	U	80000	ND	U	8000
	1,2,4-TRICHLOROBENZENE	ND	U	8000	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	400	ND	U	800	ND	U	8000	ND	U	80000	ND	U	8000
	1,2,4-TRIMETHYLBENZENE	ND	U	8000	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	400	ND	U	800	ND	U	8000	ND	U	80000	ND	U	8000
	1,2-DIBROMOETHANE	ND	U	8000	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	400	ND	U	800	ND	U	8000	ND	U	80000	ND	U	8000
	1,2-DICHLOROBENZENE	ND	U	8000	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	400	ND	U	800	ND	U	8000	ND	U	80000	ND	U	8000
	1,2-DICHLOROETHANE	ND	U	8000	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	400	ND	U	800	ND	U	8000	ND	U	80000	ND	U	8000
	1,2-DICHLOROPROPANE	ND	U	8000	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	400	ND	U	800	ND	U	8000	ND	U	80000	ND	U	8000
	1,3,5-TRIMETHYLBENZENE	ND	U	8000	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	400	ND	U	800	ND	U	8000	ND	U	80000	ND	U	8000
	1,3-DICHLOROBENZENE	ND	U	8000	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	400	ND	U	800	ND	U	8000	ND	U	80000	ND	U	8000
	1,4-DICHLOROBENZENE	ND	U	8000	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	400	ND	U	800	ND	U	8000	ND	U	80000	ND	U	8000
	2-BUTANONE	ND	U	8000	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	400	ND	U	800	ND	U	8000	ND	U	80000	ND	U	8000
	2-HEXANONE	ND	U	8000	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	400	ND	U	800	ND	U	8000	ND	U	80000	ND	U	8000
	4-METHYL-2-PENTANONE	ND	U	8000	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	400	ND	U	800	ND	U	8000	ND	U	80000	ND	U	8000
	ACETONE	8900		8000	ND	U	40	1400		800	900		800	1600		800	ND	U	20000	890		400	ND	U	800	ND	U	8000	ND	U	80000	ND	U	8000
	BENZENE	280000		8000	490		40	10000		800	11000		800	1600		800	140000		20000	7900		400	7100		800	160000		8000	1000000		80000	150000		8000
	BENZENE, (CHLOROMETHYL)-	ND	U	8000	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	400	ND	U	800	ND	U	8000	ND	U	80000	ND	U	8000
	BROMODICHLOROMETHANE	ND	U	8000	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	400	ND	U	800	ND	U	8000	ND	U	80000	ND	U	8000
	BROMOFORM	ND	U	8000	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	400	ND	U	800	ND	U	8000	ND	U	80000	ND	U	8000
	BROMOMETHANE	ND	U	8000	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	400	ND	U	800	ND	U	8000	ND	U	80000	ND	U	8000
	CARBON DISULFIDE	ND	U	8000	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	400	ND	U	800	ND	U	8000	ND	U	80000	ND	U	8000
	CARBON TETRACHLORIDE	ND	U	8000	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	400	ND	U	800	ND	U	8000	ND	U	80000	ND	U	8000
	CHLOROBENZENE	ND	U	8000	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	400	ND	U	800	ND	U	8000	ND	U	80000	ND	U	8000
	CHLOROETHANE	ND	U	8000	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	400	ND	U	800	ND	U	8000	ND	U	80000	ND	U	8000
	CHLOROFORM	ND	U	8000	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	400	ND	U	800	ND	U	8000	ND	U	80000	ND	U	8000
	CHLOROMETHANE	ND	U	8000	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	400	ND	U	800	ND	U	8000	ND	U	80000	ND	U	8000
	CIS-1,2-DICHLOROETHENE	ND	U	8000	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	400	ND	U	800	ND	U	8000	ND	U	80000	ND	U	8000
	CIS-1,3-DICHLOROPROPENE	ND	U	8000	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	400	ND	U	800	ND	U	8000	ND	U	80000	ND	U	8000
	CYCLOHEXANE	240000		16000	410		80	8900		1600	21000		1600	3000		1600	540000		40000	16000		800	62000		16000	240000		16000	3300000		160000	440000		40000
	DIBROMOCHLOROMETHANE	ND	U	8000	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	400	ND	U	800	ND	U	8000	ND	U	80000	ND	U	8000
	DICHLORODIFLUOROMETHANE	ND	U	8000	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	400	ND	U	800	ND	U	8000	ND	U	80000	ND	U	8000
	ERYTHRENE	ND	U	8000	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	400	ND	U	800	ND	U	8000	ND	U	80000	ND	U	8000
	ETHYL ACETATE	ND	U	8000	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	400	ND	U	800	ND	U	8000	ND	U	80000	ND	U	8000
	ETHYLBENZENE	ND	U	16000	140		80	2700		1600	ND	U	1600	ND	U	1600	ND	U	40000	930		800	ND	U	1600	ND	U	16000	ND	U	160000	ND	U	16000
	FREON 113	ND	U	8000	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	400	ND	U	800	ND	U	8000	ND	U	80000	ND	U	8000
	HEPTANE	87000		8000	610		40	13000		800	4800		800	2100		800	130000		20000	6300		400	25000		800	68000		8000	1300000		80000	300000		8000
	HEXACHLOROBUTADIENE	ND	U	16000	ND	U	80	ND	U	1600	ND	U	1600	ND	U	1600	ND	U	40000	ND	U	800	ND	U	1600	ND	U	16000	ND	U	160000	ND	U	16000
	HEXANE	250000		16000	160		80	3100		1600	15000		1600	2300		1600	460000		40000	9500		800	63000		16000	110000		16000	2800000		160000	440000		40000
	M,P-XYLENES	12000	J	16000	400		80	7700		1600	1200	J	1600	1000	J	1600	ND	U	40000	2000		800	1100	J	1600	ND	U	16000	ND	U	160000	17000		16000
	METHYL TERT-BUTYL ETHER	ND	U	8000	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	400	ND	U	800	ND	U	8000	ND	U	80000	ND	U	8000
	METHYLENE CHLORIDE	ND	U	40000	93	J	200	ND	U	4000	ND	U	4000	4300		4000	92000	J	100000	3600		2000	ND	U	4000	ND	U	40000	ND	U	400000	ND	U	40000
	NAPHTHALENE	ND	U	8000	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	400	ND	U	800	ND	U	8000	ND	U	80000	ND	U	8000
	O-XYLENE	ND	U	8000	120		40	2400		800	ND	U	800	ND	U	800	ND	U	20000	630		400	ND	U	800	ND	U	8000	ND	U	80000	ND	U	8000
	PROPYLENE	ND	U	8000	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	400	ND	U	800	ND	U	8000	ND	U	80000	ND	U	8000
	STYRENE	ND	U	8000	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	400	ND	U	800	ND	U	8000	ND	U	80000	ND	U	8000
	TETRACHLOROETHENE	ND	U	8000	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	400	ND	U	800	ND	U	8000	ND	U	80000	ND	U	8000
	THF	ND	U	8000	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	400	ND	U	800	ND	U	8000	ND	U	80000	ND	U	8000
	TOLUENE	330000		8000	1600		40	31000		800	13000		800	5600		800	90000		20000	12000		400	6100		800	14000		8000	950000		80000	200000		8000
	TRANS-1,2-DICHLOROETHENE	ND	U	8000	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	400	ND	U	800	ND	U	8000	ND	U	80000	ND	U	8000
	TRANS-1,3-DICHLOROPROPENE	ND	U	8000	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	400	ND	U	800	ND	U	8000	ND	U	80000	ND	U	8000
	TRICHLOROETHENE	ND	U	8000	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	400	ND	U	800	ND	U	8000	ND	U	80000	ND	U	8000
	TRICHLOROFLUOROMETHANE	ND	U	8000	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	400	ND	U	800	ND	U	8000	ND	U	80000	ND	U	8000
	VINYL ACETATE	ND	U	8000	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	400	ND	U	800	ND	U	8000	ND	U	80000	ND	U	8000
	VINYL CHLORIDE	ND	U	8000	ND	U	40	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	400	ND	U	800	ND	U	8000	ND	U	80000	ND	U	8000
	XYLENES	12000	J	24000	530		120	10000		2400	1200	J	2400	1000	J	2400	ND	U	60000	2600		1200	1100	J	2400	ND	U	24000	ND	U	240000	17000	J	24000
FIXED GASES Method D2504 (Percent)	CARBON DIOXIDE	0.8		0.1	0.42		0.1	4.2		0.1	3.7		0.1	4.1		0.1	7.3		0.1	7		0.1	0.25		0.1	10		0.1	10		0.1	1.3		0.1
	CMD	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	81		0.1	80		0.1	80		0.1	80		0.1	81		0.1	84		0.1	84		0.1	80		0.1	84		0.1	83		0.1	80		0.1
	OXYGEN	17		0.1	19		0.1	15		0.1	15		0.1	15		0.1	8.5		0.1	9.3		0.1	20		0.1	4.8		0.1	3.8		0.1	18		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
April - June 2012

	LOCATION CODE	SVMW-09-266			SVMW-10-050			SVMW-10-100			SVMW-10-150			SVMW-10-150			SVMW-10-250			SVMW-11-050			SVMW-11-100			SVMW-11-250			SVMW-11-260			SVMW-12-150		
	SAMPLE NO	VA1352			VA1353			VA1354			VA1355			VA1356			VA1357			VA1358			VA1359			VA1360			VA1361			VA1362		
	SAMPLE DATE	12-Jun-12			13-Jun-12			13-Jun-12			13-Jun-12			13-Jun-12			13-Jun-12			30-May-12			30-May-12			30-May-12			30-May-12			14-Jun-12		
	SAMPLE PURPOSE	REG			REG			REG			REG			FD			REG			REG			REG			REG			REG			REG		
	SAMPLE DEPTH	266-269 FT			50-53 FT			100-103 FT			150-153 FT			150-153 FT			250-253 FT			50-53 FT			100-103 FT			250-253 FT			260-263 FT			150-153 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	2.4E+07		4700000	5.7E+07	J-	9400000	4E+07	J-	4700000	1.8E+07	J-	4700000	2.9E+07	J-	4700000	1.7E+07	J-	2300000	1.6E+07		2300000	9.1E+07		9400000	4.8E+07		9400000	3.4E+07		9400000	1200000		190000
	C9-C10 AROMATIC HYDROCARBONS	ND	U	5300000	ND	UJ	1.1E+07	ND	UJ	5300000	ND	UJ	5300000	ND	UJ	5300000	ND	UJ	2700000	ND	U	2700000	ND	U	1.1E+07	ND	U	1.1E+07	ND	U	1.1E+07	ND	U	210000
	C9-C12 ALIPHATIC HYDROCARBONS	ND	U	7600000	ND	UJ	1.5E+07	ND	UJ	7600000	ND	UJ	7600000	ND	UJ	7600000	1300000	J-	3800000	ND	U	3800000	ND	U	1.5E+07	ND	U	1.5E+07	ND	U	1.5E+07	200000	J	300000
VOCs (ppbv) Method TO15	1,1,1-TRICHLOROETHANE	ND	U	8000	ND	U	20000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	800
	1,1,2,2-TETRACHLOROETHANE	ND	U	8000	ND	U	20000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	800
	1,1,2-TRICHLOROETHANE	ND	U	8000	ND	U	20000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	800
	1,1-DICHLOROETHANE	ND	U	8000	ND	U	20000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	800
	1,1-DICHLOROETHENE	ND	U	8000	ND	U	20000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	800
	1,2,4-TRICHLOROBENZENE	ND	U	8000	ND	U	20000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	800
	1,2,4-TRIMETHYLBENZENE	ND	U	8000	ND	U	20000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	800
	1,2-DIBROMOETHANE	ND	U	8000	ND	U	20000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	800
	1,2-DICHLOROBENZENE	ND	U	8000	ND	U	20000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	800
	1,2-DICHLOROETHANE	ND	U	8000	ND	U	20000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	800
	1,2-DICHLOROPROPANE	ND	U	8000	ND	U	20000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	800
	1,3,5-TRIMETHYLBENZENE	ND	U	8000	ND	U	20000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	800
	1,3-DICHLOROBENZENE	ND	U	8000	ND	U	20000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	800
	1,4-DICHLOROBENZENE	ND	U	8000	ND	U	20000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	800
	2-BUTANONE	ND	U	8000	68000		20000	110000		40000	26000		20000	76000		20000	35000		8000	43000		8000	460000		40000	570000		40000	230000		40000	940		800
	2-HEXANONE	ND	U	8000	ND	U	20000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	800
	4-METHYL-2-PENTANONE	ND	U	8000	ND	U	20000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	800
	ACETONE	ND	U	8000	330000		20000	680000		40000	250000	J	20000	560000	J	20000	130000	J	8000	220000	J	8000	2300000		160000	2800000	J	80000	870000	J	40000	2100		800
	BENZENE	350000		8000	440000		20000	490000		40000	170000		20000	360000		20000	110000		8000	120000		8000	1400000		40000	600000		40000	650000		40000	7800		800
	BENZENE, (CHLOROMETHYL)-	ND	U	8000	ND	U	20000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	800
	BROMODICHLOROMETHANE	ND	U	8000	ND	U	20000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	800
	BROMOFORM	ND	U	8000	ND	U	20000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	800
	BROMOMETHANE	ND	U	8000	ND	U	20000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	800
	CARBON DISULFIDE	ND	U	8000	ND	U	20000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	800
	CARBON TETRACHLORIDE	ND	U	8000	ND	U	20000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	800
	CHLOROBENZENE	ND	U	8000	ND	U	20000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	800
	CHLOROETHANE	ND	U	8000	ND	U	20000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	800
	CHLOROFORM	ND	U	8000	ND	U	20000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	800
	CHLOROMETHANE	ND	U	8000	ND	U	20000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	800
	CIS-1,2-DICHLOROETHENE	ND	U	8000	ND	U	20000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	800
	CIS-1,3-DICHLOROPROPENE	ND	U	8000	ND	U	20000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	800
	CYCLOHEXANE	430000		40000	2200000		160000	1500000		80000	430000		40000	950000		40000	370000		16000	700000		40000	4800000		320000	2200000		160000	2000000		160000	17000		1600
	DIBROMOCHLOROMETHANE	ND	U	8000	ND	U	20000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	800
	DICHLORODIFLUOROMETHANE	ND	U	8000	ND	U	20000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	800
	ERYTHRENE	ND	U	8000	ND	U	20000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	800
	ETHYL ACETATE	ND	U	8000	ND	U	20000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	800
	ETHYLBENZENE	30000		16000	ND	U	40000	ND	U	80000	ND	U	40000	20000	J	40000	17000		16000	13000	J	16000	42000	J	80000	49000	J	80000	60000	J	80000	1400	J	1600
	FREON 113	ND	U	8000	ND	U	20000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	800
	HEPTANE	270000		20000	890000		20000	660000		40000	230000		20000	560000		20000	350000		8000	310000		8000	2000000		40000	2900000		80000	1900000		40000	14000		800
	HEXACHLOROBUTADIENE	ND	U	16000	ND	U	40000	ND	U	80000	ND	U	40000	ND	U	40000	ND	U	16000	ND	U	16000	ND	U	80000	ND	U	80000	ND	U	80000	ND	U	1600
	HEXANE	440000		40000	1500000		160000	1800000		80000	620000		40000	1400000		80000	260000		80000	250000		16000	5300000		320000	1100000		80000	830000		80000	12000		1600
	M,P-XYLENES	53000		16000	29000	J	40000	ND	U	80000	ND	U	40000	44000		40000	54000		16000	30000		16000	82000		80000	110000		80000	140000		80000	4100		1600
	METHYL TERT-BUTYL ETHER	ND	U	8000	ND	U	20000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	800
	METHYLENE CHLORIDE	ND	U	40000	ND	U	100000	ND	U	200000	ND	U	100000	ND	U	100000	ND	U	40000	ND	U	40000	ND	U	200000	ND	U	200000	ND	U	200000	ND	U	4000
	NAPHTHALENE	ND	U	8000	ND	U	20000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	800
	O-XYLENE	16000		8000	ND	U	20000	ND	U	40000	ND	U	20000	ND	U	20000	14000		8000	ND	U	8000	ND	U	40000	ND	U	40000	ND	U	40000	1200		800
	PROPYLENE	ND	U	8000	ND	U	20000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000	10000		8000	65000		40000	57000		40000	48000		40000	ND	U	800
	STYRENE	ND	U	8000	ND	U	20000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	800
	TETRACHLOROETHENE	ND	U	8000	ND	U	20000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	800
	THF	ND	U	8000	ND	U	20000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	800
	TOLUENE	190000		20000	610000		20000	400000		40000	180000		20000	500000		20000	330000		8000	380000		8000	1700000		40000	1900000		40000	1700000		40000	26000		800
	TRANS-1,2-DICHLOROETHENE	ND	U	8000	ND	U	20000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	800
	TRANS-1,3-DICHLOROPROPENE	ND	U	8000	ND	U	20000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	800
	TRICHLOROETHENE	ND	U	8000	ND	U	20000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	800
	TRICHLOROFLUOROMETHANE	ND	U	8000	ND	U	20000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	800
	VINYL ACETATE	ND	U	8000	ND	U	20000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	800
	VINYL CHLORIDE	ND	U	8000	ND	U	20000	ND	U	40000	ND	U	20000	ND	U	20000	ND	U	8000	ND	U	8000	ND	U	40000	ND	U	40000	ND	U	40000	ND	U	800
	XYLENES	69000		24000	29000	J	60000	ND	U	120000	ND	U	60000	44000	J	60000	68000		24000	30000		24000	82000	J	120000	110000	J	120000	140000		120000	5300		2400
FIXED GASES Method D2504 (Percent)	CARBON DIOXIDE	1.7		0.1	8.1		0.1	4.5		0.1	4.4		0.1	2.7		0.1	1.3		0.1	8.7		0.1	8.1		0.1	3.3		0.1	1.7		0.1	0.12		0.1
	CMD	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	81		0.1	81		0.1	79		0.1	82		0.1	80		0.1	80		0.1	83		0.1	82		0.1	81		0.1	80		0.1	78		0.1
	OXYGEN	16		0.1	7.2		0.1	13		0.1	10		0.1	15		0.1	18		0.1	6.9		0.1	7.6		0.1	14		0.1	17		0.1	21		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
April - June 2012

	LOCATION CODE	SVMW-12-250			SVMW-12-350			SVMW-12-450			SVMW-13-150			SVMW-13-250			SVMW-13-250			SVMW-13-350			SVMW-13-450			SVMW-14-150			SVMW-14-250			SVMW-14-350		
	SAMPLE NO	VA1363			VA1364			VA1365			VA1366			VA1367			VA1368			VA1369			VA1370			VA1371			VA1372			VA1373		
	SAMPLE DATE	14-Jun-12			14-Jun-12			14-Jun-12			21-Jun-12			21-Jun-12			21-Jun-12			21-Jun-12			21-Jun-12			21-Jun-12			21-Jun-12			21-Jun-12		
	SAMPLE PURPOSE	REG			REG			REG			REG			REG			FD			REG			REG			REG			REG			REG		
	SAMPLE DEPTH	250-253 FT			350-353 FT			450-453 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		
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	1400000		190000	2100000		940000	1400000		190000	3400000		940000	370000		94000	390000		94000	220000		94000	410000		94000	170000		47000	150000		47000	160000		47000
	C9-C10 AROMATIC HYDROCARBONS	ND	U	210000	ND	U	1100000	ND	U	210000	ND	U	1100000	ND	U	110000	ND	U	110000	ND	U	110000	ND	U	110000	ND	U	53000	ND	U	53000	ND	U	53000
	C9-C12 ALIPHATIC HYDROCARBONS	180000	J	300000	ND	U	1500000	200000	J	300000	ND	U	1500000	66000	J	150000	42000	J	150000	ND	U	150000	ND	U	150000	52000	J	76000	23000	J	76000	24000	J	76000
VOCs (ppbv) Method TO15	1,1,1-TRICHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	40
	1,1,2,2-TETRACHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	40
	1,1,2-TRICHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	40
	1,1-DICHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	40
	1,1-DICHLOROETHENE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	40
	1,2,4-TRICHLOROBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	40
	1,2,4-TRIMETHYLBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	40
	1,2-DIBROMOETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	40
	1,2-DICHLOROBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	40
	1,2-DICHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	40
	1,2-DICHLOROPROPANE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	40
	1,3,5-TRIMETHYLBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	40
	1,3-DICHLOROBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	40
	1,4-DICHLOROBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	40
	2-BUTANONE	960		800	1200		800	980		800	ND	U	8000	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	40
	2-HEXANONE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	40
	4-METHYL-2-PENTANONE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	40
	ACETONE	2000		800	2500		800	2400		800	ND	U	8000	ND	U	800	ND	U	800	420		400	ND	U	800	ND	U	40	ND	U	40	ND	U	40
	BENZENE	8800		800	7900		800	6400		800	32000		8000	3000		800	2800		800	1400		400	3700		800	930		40	760		40	660		40
	BENZENE, (CHLOROMETHYL)-	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	40
	BROMODICHLOROMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	40
	BROMOFORM	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	40
	BROMOMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	40
	CARBON DISULFIDE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	40
	CARBON TETRACHLORIDE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	400	ND	U	800	93		40	82		40	ND	U	40
	CHLOROBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	40
	CHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	40
	CHLOROFORM	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	40
	CHLOROMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	40
	CIS-1,2-DICHLOROETHENE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	40
	CIS-1,3-DICHLOROPROPENE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	40
	CYCLOHEXANE	18000		1600	19000		1600	18000		1600	130000		16000	6000		1600	5700		1600	2500		800	3900		1600	1300		80	880		80	1100		80
	DIBROMOCHLOROMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	40
	DICHLORODIFLUOROMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	40
	ERYTHRENE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	40
	ETHYL ACETATE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	40
	ETHYLBENZENE	1800		1600	2200		1600	2000		1600	ND	U	16000	ND	U	1600	ND	U	1600	ND	U	800	ND	U	1600	130		80	72	J	80	97		80
	FREON 113	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	400	ND	U	800	85		40	54		40	ND	U	40
	HEPTANE	14000		800	16000		800	13000		800	18000		8000	2000		800	1900		800	950		400	1000		800	ND	U	40	ND	U	40	ND	U	40
	HEXACHLOROBUTADIENE	ND	U	1600	ND	U	1600	ND	U	1600	ND	U	16000	ND	U	1600	ND	U	1600	ND	U	800	ND	U	1600	ND	U	80	ND	U	80	ND	U	80
	HEXANE	12000		1600	12000		1600	10000		1600	54000		16000	2400		1600	2300		1600	920		800	2100		1600	ND	U	80	ND	U	80	ND	U	80
	M,P-XYLENES	5400		1600	6500		1600	6000		1600	ND	U	16000	1100	J	1600	1000	J	1600	750	J	800	ND	U	1600	380		80	220		80	290		80
	METHYL TERT-BUTYL ETHER	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	40
	METHYLENE CHLORIDE	ND	U	4000	ND	U	4000	ND	U	4000	ND	U	40000	ND	U	4000	ND	U	4000	ND	U	2000	ND	U	4000	ND	U	200	ND	U	200	ND	U	200
	NAPHTHALENE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	40
	O-XYLENE	1600		800	1900		800	1700		800	ND	U	8000	ND	U	800	ND	U	800	ND	U	400	ND	U	800	130		40	78		40	100		40
	PROPYLENE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	40
	STYRENE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	40
	TETRACHLOROETHENE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	40
	THF	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	40
	TOLUENE	28000		800	32000		800	26000		800	28000		8000	7500		800	7100		800	4300		400	3100		800	3100		400	1400		40	1700		40
	TRANS-1,2-DICHLOROETHENE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	40
	TRANS-1,3-DICHLOROPROPENE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	40
	TRICHLOROETHENE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	40
	TRICHLOROFLUOROMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	40
	VINYL ACETATE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	40
	VINYL CHLORIDE	ND	U	800	ND	U	800	ND	U	800	ND	U	8000	ND	U	800	ND	U	800	ND	U	400	ND	U	800	ND	U	40	ND	U	40	ND	U	40
	XYLENES	6900		2400	8300		2400	7700		2400	ND	U	24000	1100	J	2400	1000	J	2400	750	J	1200	ND	U	2400	510		120	300		120	390		120
FIXED GASES Method D2504 (Percent)	CARBON DIOXIDE	0.17		0.1	0.37		0.1	0.17		0.1	1.2		0.1	0.31		0.1	0.31		0.1	0.87		0.1	0.42		0.1	0.073	J	0.1	0.16		0.1	0.082	J	0.1
	CMD	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		0.1	78		0.1	78		0.1	81		0.1	78		0.1	78		0.1	79		0.1	79		0.1	77		0.1	79		0.1	78		0.1
	OXYGEN	21		0.1	20		0.1	21		0.1	16		0.1	20		0.1	20		0.1	19		0.1	19		0.1	21		0.1	21		0.1	21		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
April - June 2012

	LOCATION CODE	SVMW-14-450			SVMW-15-150			SVMW-15-250			SVMW-15-350			SVMW-15-350			SVMW-15-450		
	SAMPLE NO	VA1374			VA1375			VA1376			VA1377			VA1378			VA1379		
	SAMPLE DATE	21-Jun-12			6-Jun-12			6-Jun-12			6-Jun-12			6-Jun-12			6-Jun-12		
	SAMPLE PURPOSE	REG			REG			REG			REG			FD			REG		
	SAMPLE DEPTH	450-453 FT			150-153 FT			250-253 FT			350-353 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
TPH (ug/m3) Method MADEP APH	C5-C8 ALIPHATIC HYDROCARBONS	290000		94000	340000		94000	830000		190000	2.4E+07		4700000	2.1E+07		4700000	2.7E+07		4700000
	C9-C10 AROMATIC HYDROCARBONS	ND	U	110000	ND	U	110000	ND	U	210000	ND	U	5300000	ND	U	5300000	ND	U	5300000
	C9-C12 ALIPHATIC HYDROCARBONS	ND	U	150000	ND	U	150000	ND	U	300000	ND	U	7600000	ND	U	7600000	ND	U	7600000
VOCs (ppbv) Method TO15	1,1,1-TRICHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000
	1,1,2,2-TETRACHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000
	1,1,2-TRICHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000
	1,1-DICHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000
	1,1-DICHLOROETHENE	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000
	1,2,4-TRICHLOROBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000
	1,2,4-TRIMETHYLBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000
	1,2-DIBROMOETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000
	1,2-DICHLOROBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000
	1,2-DICHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000
	1,2-DICHLOROPROPANE	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000
	1,3,5-TRIMETHYLBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000
	1,3-DICHLOROBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000
	1,4-DICHLOROBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000
	2-BUTANONE	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000
	2-HEXANONE	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000
	4-METHYL-2-PENTANONE	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000
	ACETONE	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000
	BENZENE	ND	U	800	8300		800	10000		800	220000		20000	220000		20000	540000		20000
	BENZENE, (CHLOROMETHYL)-	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000
	BROMODICHLOROMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000
	BROMOFORM	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000
	BROMOMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000
	CARBON DISULFIDE	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000
	CARBON TETRACHLORIDE	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000
	CHLOROBENZENE	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000
	CHLOROETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000
	CHLOROFORM	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000
	CHLOROMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000
	CIS-1,2-DICHLOROETHENE	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000
	CIS-1,3-DICHLOROPROPENE	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000
	CYCLOHEXANE	ND	U	1600	6600		1600	12000		1600	440000		40000	420000		40000	1000000		80000
	DIBROMOCHLOROMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000
	DICHLORODIFLUOROMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000
	ERYTHRENE	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000
	ETHYL ACETATE	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000
	ETHYLBENZENE	ND	U	1600	ND	U	1600	820	J	1600	ND	U	40000	ND	U	40000	ND	U	40000
	FREON 113	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000
	HEPTANE	ND	U	800	4100		800	4300		800	160000		20000	160000		20000	560000		20000
	HEXACHLOROBUTADIENE	ND	U	1600	ND	U	1600	ND	U	1600	ND	U	40000	ND	U	40000	ND	U	40000
	HEXANE	ND	U	1600	4200		1600	6600		1600	460000		40000	440000		40000	1100000		80000
	M,P-XYLENES	ND	U	1600	1800		1600	1900		1600	ND	U	40000	ND	U	40000	29000	J	40000
	METHYL TERT-BUTYL ETHER	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000
	METHYLENE CHLORIDE	ND	U	4000	ND	U	4000	ND	U	4000	ND	U	100000	ND	U	100000	ND	U	100000
	NAPHTHALENE	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000
	O-XYLENE	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000
	PROPYLENE	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000
	STYRENE	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000
	TETRACHLOROETHENE	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000
	THF	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000
	TOLUENE	1500		800	18000		800	18000		800	260000		20000	250000		20000	540000		20000
	TRANS-1,2-DICHLOROETHENE	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000
	TRANS-1,3-DICHLOROPROPENE	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000
	TRICHLOROETHENE	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000
	TRICHLOROFLUOROMETHANE	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000
	VINYL ACETATE	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000
	VINYL CHLORIDE	ND	U	800	ND	U	800	ND	U	800	ND	U	20000	ND	U	20000	ND	U	20000
	XYLENES	ND	U	2400	1800	J	2400	1900	J	2400	ND	U	60000	ND	U	60000	29000	J	60000
FIXED GASES Method D2504 (Percent)	CARBON DIOXIDE	1.2		0.1	0.37		0.1	0.52		0.1	0.59		0.1	0.6		0.1	0.8		0.1
	CMD	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
	NITROGEN	84		0.1	81		0.1	81		0.1	79		0.1	79		0.1	78		0.1
	OXYGEN	15		0.1	18		0.1	18		0.1	16		0.1	16		0.1	18		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 4-3
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.

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Table 5-1
Groundwater Analytical Results
April - June 2012

			LOCATION CODE		KAFB-3			KAFB-15			KAFB-16			KAFB-1061			KAFB-1062			KAFB-1063			KAFB-1064			KAFB-1065		
			SAMPLE NO		GW0500			GW0501			GW0502			GW0506			GW0507			GW0613			GW0609			GW0508		
			SAMPLE DATE		4-Apr-12			4-Apr-12			4-Apr-12			11-Apr-12			3-May-12			17-Apr-12			9-May-12			9-May-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			479-504 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	98	ND	U	96.2	ND	U	100	ND	U	100	ND	U	377	ND	U	94.3	ND	U	377	18800		3770
	GASOLINE RANGE ORGANICS	N/A	N/A	N/A	ND	U	150	ND	U	150	ND	U	150	165		150	ND	U	150	ND	U	150	ND	U	150	1980		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	5
	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	5
	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	5
	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	5
	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	5
	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	5
	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	5
	1,2,3-TRICHLOROBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2	ND	U	1	ND	U	2	ND	U	10
	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	10
	1,2,4-TRICHLOROBENZENE	N/A	N/A	70	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2	ND	U	1	ND	U	2	ND	U	10
	1,2,4-TRIMETHYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	0.39	J	1	ND	U	1	ND	U	1	ND	U	1	43.8		5
	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	10
	1,2-DIBROMOETHANE (Method 8011)	0.1	N/A	0.05	ND	U	0.0286	ND	U	0.0283	ND	U	0.0284	**0.855**		0.14	ND	U	0.0281	ND	U	0.0283	ND	U	0.0282	**4.15**		0.286
	1,2-DIBROMOETHANE	0.1	N/A	0.05	ND	U	1	ND	U	1	ND	U	1	**1**		1	ND	U	1	ND	U	1	ND	U	1	**3.7**	J	5
	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	5
	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	5
	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	5
	1,3,5-TRIMETHYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	0.32	J	1	ND	U	1	ND	U	1	ND	U	1	17.5		5
	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	5
	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	5
	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	5
	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	5
	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	26.8	J	50
	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	5
	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	25
	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	5
	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	19.2	J	25
	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	59.6		50
	BENZENE	10	N/A	5	ND	U	1	ND	U	1	ND	U	1	**26.9**		1	ND	U	1	ND	U	1	ND	U	1	**380**		5
	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	5
	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	5
	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	5
	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	5
	BROMOMETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	2	ND	UJ	2	ND	UJ	2	ND	U	2	ND	U	2	ND	U	10
	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	5
	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	5
	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	5
	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	10
	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	5
	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	5
	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	5
	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	5
	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	5
	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	5
	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	10
	ETHYLBENZENE	750	N/A	700	ND	U	1	ND	U	1	ND	U	1	1.07		1	ND	U	1	ND	U	1	ND	U	1	71.3		5
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2	ND	U	1	ND	U	2	ND	U	10
	ISOPROPYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	0.55	J	1	ND	U	1	ND	U	1	ND	U	1	6.45		5
	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	5
	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	10
	NAPHTHALENE	N/A	N/A	30	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2	ND	U	1	ND	U	2	28.4		10
	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	2.95	J	5
	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	5.6		5
	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	1.75	J	5
	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	2.2	J	5
	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	5
	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	5
	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	5
	TOLUENE	750	N/A	750	ND	U	1	ND	U	1	ND	U	1	9.09		1	ND	U	1	ND	U	1	ND	U	1	250		5
	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	5
	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	5
	TRICHLOROETHENE	N/A	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	0.36	J	1	ND	U	5
	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	10
	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	5
	XYLENES	620	N/A	10000	ND	U	3	ND	U	3	ND	U	3	5.1		3	ND	U	3	ND	U	3	ND	U	3	183		15

Table 5-1
Groundwater Analytical Results
April - June 2012

			LOCATION CODE		KAFB-3			KAFB-15			KAFB-16			KAFB-1061			KAFB-1062			KAFB-1063			KAFB-1064			KAFB-1065		
			SAMPLE NO		GW0500			GW0501			GW0502			GW0506			GW0507			GW0613			GW0609			GW0508		
			SAMPLE DATE		4-Apr-12			4-Apr-12			4-Apr-12			11-Apr-12			3-May-12			17-Apr-12			9-May-12			9-May-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			479-504 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	4.9	ND	U	4.72	ND	U	5	ND	U	4.95	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81
	1,2-DIPHENYLHYDRAZINE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.95	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81
	1-METHYL NAPHTHALENE	N/A	N/A	30	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.95	ND	U	4.72	ND	U	5	ND	U	4.9	22.3		4.81
	2,4,5-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.95	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81
	2,4,6-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.95	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81
	2,4-DICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.95	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81
	2,4-DIMETHYLPHENOL	N/A	N/A	N/A	ND	U	19.6	ND	U	18.9	ND	U	20	ND	U	19.8	ND	U	18.9	ND	U	20	ND	U	19.6	112		38.5
	2,4-DINITROPHENOL	N/A	N/A	N/A	ND	U	49	ND	U	47.2	ND	U	50	ND	U	49.5	ND	U	47.2	ND	U	50	ND	U	49	ND	U	48.1
	2,4-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.95	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81
	2,6-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.95	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81
	2-CHLORONAPHTHALENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.95	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81
	2-CHLOROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.95	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81
	2-METHYLNAPHTHALENE	N/A	N/A	30	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.95	ND	U	4.72	ND	U	5	ND	U	4.9	18		4.81
	2-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.95	ND	U	4.72	ND	U	5	ND	U	4.9	39.2		4.81
	2-NITROANILINE	N/A	N/A	N/A	ND	U	19.6	ND	U	18.9	ND	U	20	ND	U	19.8	ND	U	18.9	ND	U	20	ND	U	19.6	ND	U	19.2
	2-NITROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.95	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81
	3,3'-DICHLOROBENZIDINE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.95	ND	U	4.72	ND	U	5	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	4.72	ND	U	5	ND	U	4.95	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81
	3-NITROANILINE	N/A	N/A	N/A	ND	U	19.6	ND	U	18.9	ND	U	20	ND	U	19.8	ND	U	18.9	ND	U	20	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	18.9	ND	U	20	ND	U	19.8	ND	U	18.9	ND	U	20	ND	U	19.6	ND	U	19.2
	4-BROMOPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.95	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81
	4-CHLORO-3-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.95	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81
	4-CHLOROANILINE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.95	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81
	4-CHLOROPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.95	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81
	4-NITROANILINE	N/A	N/A	N/A	ND	U	19.6	ND	U	18.9	ND	U	20	ND	U	19.8	ND	U	18.9	ND	U	20	ND	U	19.6	ND	U	19.2
	4-NITROPHENOL	N/A	N/A	N/A	ND	U	19.6	ND	U	18.9	ND	U	20	ND	U	19.8	ND	U	18.9	ND	U	20	ND	U	19.6	ND	U	19.2
	ACENAPHTHENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.95	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81
	ACENAPHTHYLENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.95	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81
	ACETOPHENONE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.95	ND	U	4.72	ND	U	5	ND	U	4.9	79.4		4.81
	ANTHRACENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.95	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81
	ATRAZINE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.95	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81
	BENZALDEHYDE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.95	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81
	BENZIDINE	N/A	N/A	N/A	ND	U	49	ND	U	47.2	ND	U	50	ND	U	49.5	ND	U	47.2	ND	U	50	ND	U	49	ND	U	48.1
	BENZO(A)ANTHRACENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.95	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81
	BENZO(A)PYRENE	0.7	N/A	0.2	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.95	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81
	BENZO(B)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.95	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81
	BENZO(GHI)PERYLENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.95	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81
	BENZO(K)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.95	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81
	BENZOIC ACID	N/A	N/A	N/A	ND	U	49	ND	U	47.2	ND	U	50	ND	U	49.5	ND	U	47.2	ND	U	50	ND	U	49	ND	U	48.1
	BIS(2-CHLOROETHOXY)METHANE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.95	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81
	BIS(2-CHLOROETHYL)ETHER	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.95	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81
	BIS(2-CHLOROISOPROPYL)ETHER	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.95	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81
	BIS(2-ETHYLHEXYL)PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.95	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81
	BUTYL BENZYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.95	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81
	CAPROLACTAM	N/A	N/A	N/A	ND	UJ	4.9	ND	UJ	4.72	ND	UJ	5	ND	U	4.95	ND	UJ	4.72	ND	U	5	ND	UJ	4.9	ND	UJ	4.81
	CARBAZOLE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.95	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81
	CHRYSENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.95	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81
	DIBENZO(A,H)ANTHRACENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.95	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81
	DIBENZOFURAN	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.95	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81
	DIETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.95	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81
	DIMETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.95	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81
	DI-N-BUTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.95	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81
	DI-N-OCTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.95	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81
	FLUORANTHENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.95	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81
	FLUORENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.95	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81
	HEXACHLOROBENZENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.95	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.95	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81
	HEXACHLOROCYCLOPENTADIENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.95	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81
	HEXACHLOROETHANE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.95	ND	U	4.72	ND	U	5	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	4.72	ND	U	5	ND	U	4.95	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81
	ISOPHORONE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.95	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81
	NAPHTHALENE	N/A	N/A	30	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.95	ND	U	4.72	ND	U	5	ND	U	4.9	21.5		4.81
	NITROBENZENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.95	ND	U	4.72	ND	U	5	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	4.72	ND	U	5	ND	U	4.95	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81
	N-NITROSODIPHENYLAMINE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.95	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81
	PENTACHLOROPHENOL	N/A	N/A	N/A	ND	U	19.6	ND	U	18.9	ND	U	20	ND	U	19.8	ND	U	18.9	ND	U	20	ND	U	19.6	ND	U	19.2
	PHENANTHRENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.95	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81
	PHENOL	N/A	N/A	5	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.95	ND	U	4.72	ND	U	5	ND	U	4.9	**5.02**		4.81
	PYRENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.95	ND	U	4.72	ND	U	5	ND	U	4.9	ND	U	4.81

Table 5-1
Groundwater Analytical Results
April - June 2012

			LOCATION CODE		KAFB-3			KAFB-15			KAFB-16			KAFB-1061			KAFB-1062			KAFB-1063			KAFB-1064			KAFB-1065		
			SAMPLE NO		GW0500			GW0501			GW0502			GW0506			GW0507			GW0613			GW0609			GW0508		
			SAMPLE DATE		4-Apr-12			4-Apr-12			4-Apr-12			11-Apr-12			3-May-12			17-Apr-12			9-May-12			9-May-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			479-504 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	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	44.3		5	33.8		5	48.3		5	55		5	43		5	104		5	65.5		5	147		5
	IRON, DISSOLVED	1	N/A	0.3	ND	U	0.1	ND	U	0.1	ND	U	0.1	**0.33**		0.1	ND	U	0.1	ND	U	0.1	ND	U	0.1	0.147		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	5.46		5	7.73		5	5.41		5	7.97		5	6.37		5	15.2		5	8.77		5	22.1		5
	MANGANESE, DISSOLVED	0.2	N/A	0.05	ND	U	0.015	0.0215		0.015	0.00699	J	0.015	**0.325**		0.015	ND	U	0.015	ND	U	0.015	ND	U	0.015	**2.95**		0.015
	POTASSIUM	N/A	N/A	N/A	2.26	J	5	6.32		5	3.52	J	5	2.7	J	5	2.34	J	5	3.91	J	5	2.85	J	5	4.81	J	5
	SODIUM	N/A	N/A	N/A	22.6		5	34.7		5	28.4		5	25.4		5	22.8		5	43.6		5	28.5		5	73.9		5
Anions (mg/L) Method E300.0	CHLORIDE	250	N/A	250	23.7		0.5	44.5		0.5	54.1		0.5	16.6		0.5	17.9		0.5	102		0.5	38.8		0.5	175		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	0.368		0.3	1.16		0.3
	NITROGEN, NITRATE-NITRITE (Method E353.2)	N/A	4	N/A	0.36	J	1.5	ND	U	1.5	ND	U	1.5	ND	U	1.5	0.816	J	1.5	3.61	N/A	1.5	4.27	N/A	1.5	ND	U	1.5
	SULFATE	600	N/A	250	31.2		2	32.2		2	32.4		2	32.2		2	45.1		2	158		2	80.1		2.5	106		2.5
	SULFIDE, TOTAL (Method 4500S2CF)	N/A	N/A	N/A	ND	U	3.64	ND	U	3.64	ND	U	3.7	ND	U	3.7	ND	U	3.45	0.678	J	3.39	ND	U	3.7	5.05		3.7
Alkalinity (mg/L) Method SM2320B	ALKALINITY, BICARBONATE (AS CACO3)	N/A	N/A	N/A	110		1	93.8		1	91.4		1	145		1	98.7		1	72.7		1	99.9		1	264		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	20.3			26.83			27.76			19.62			19.24			18.6			18.66			21		
	pH (S.U.)	N/A	N/A	N/A	7.38			6.97			7.22			7.45			7.79			7.32			7.75			6.61		
	Spec Cond (µS/cm2)	N/A	N/A	N/A	355.9			403.5			436.2			397.1			340.6			826.7			422.8			1052		
	DO (mg/L)	N/A	N/A	N/A	6.64			3.88			3.09			0.49			4.75			8.21			9.45			0.05		
	ORP (mV)	N/A	N/A	N/A	188			207			185			-111			173			129			196			-295		
	Turbidity (NTU)	N/A	N/A	N/A	0.29			0.16			0.76			0.77			0.31			2.76			0.71			48.2		
	Alkalinity (mg/L as CaCO3)	N/A	N/A	N/A	100			88			80			138			104			88			116			290		

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

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Table 5-1
Groundwater Analytical Results
April - June 2012

				LOCATION CODE	KAFB-1066			KAFB-1067			KAFB-1068			KAFB-1068			KAFB-1069			KAFB-10610			KAFB-10611			KAFB-10613		
				SAMPLE NO	GW0509			GW0510			GW0511			GW0512			GW0513			GW0514			GW0515			GW0606		
				SAMPLE DATE	10-May-12			11-Apr-12			9-May-12			9-May-12			9-May-12			26-Apr-12			26-Apr-12			18-Apr-12		
				SAMPLE PURPOSE	REG			REG			REG			FD			REG			REG			REG			REG		
				SAMPLE DEPTH	484-509 FT			484-509 FT			486-511 FT			486-511 FT			480-505 FT			483-508 FT			486-511 FT			487-512 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)	DIESEL RANGE ORGANICS	N/A	N/A	N/A	ND	U	377	ND	U	100	5190		374	6790		769	3860		374	84300		7690	ND	U	377	ND	U	94.3
Method 8015B	GASOLINE RANGE ORGANICS	N/A	N/A	N/A	1010		150	ND	U	150	4960		150	4220		300	44800		3750	42900		7500	13000		3000	ND	U	150
VOCs (µg/L)	1,1,1,2-TETRACHLOROETHANE	N/A	N/A	N/A	ND	U	2	ND	U	1	ND	U	10	ND	U	10	ND	U	100	ND	U	100	ND	U	1	ND	U	1
Method 8260B	1,1,1-TRICHLOROETHANE	60	N/A	60	ND	U	2	ND	U	1	ND	U	10	ND	U	10	ND	U	100	ND	U	100	ND	U	1	ND	U	1
	1,1,2,2-TETRACHLOROETHANE	10	N/A	10	ND	U	2	ND	U	1	ND	U	10	ND	U	10	ND	U	100	ND	U	100	ND	U	1	ND	U	1
	1,1,2-TRICHLOROETHANE	100	N/A	5	ND	U	2	ND	U	1	ND	U	10	ND	U	10	ND	U	100	ND	U	100	ND	U	1	ND	U	1
	1,1-DICHLOROETHANE	25	N/A	25	ND	U	2	0.31	J	1	ND	U	10	ND	U	10	ND	U	100	ND	U	100	ND	U	1	ND	U	1
	1,1-DICHLOROETHENE	5	N/A	5	ND	U	2	ND	U	1	ND	U	10	ND	U	10	ND	U	100	ND	U	100	ND	U	1	ND	U	1
	1,1-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	2	ND	U	1	ND	U	10	ND	U	10	ND	U	100	ND	U	100	ND	U	1	ND	U	1
	1,2,3-TRICHLOROBENZENE	N/A	N/A	N/A	ND	U	4	ND	U	1	ND	U	20	ND	U	20	ND	U	200	ND	U	200	ND	U	2	ND	U	1
	1,2,3-TRICHLOROPROPANE	N/A	N/A	N/A	ND	U	4	ND	U	2	ND	U	20	ND	U	20	ND	U	200	ND	U	200	ND	U	2	ND	U	2
	1,2,4-TRICHLOROBENZENE	N/A	N/A	70	ND	U	4	ND	U	1	ND	U	20	ND	U	20	ND	U	200	ND	U	200	ND	U	2	ND	U	1
	1,2,4-TRIMETHYLBENZENE	N/A	N/A	N/A	2.02		2	ND	U	1	40.2		10	38.3		10	282		100	295		100	ND	U	1	ND	U	1
	1,2-DIBROMO-3-CHLOROPROPANE	N/A	N/A	0.2	ND	U	4	ND	U	2	ND	U	20	ND	U	20	ND	U	200	ND	U	200	ND	U	2	ND	U	2
	1,2-DIBROMOETHANE (Method 8011)	0.1	N/A	0.05	**0.283**		0.0285	ND	U	0.0281	**3.68**		0.283	**4.06**		0.281	**6.44**		0.562	**114**		5.65	ND	U	0.0282	ND	U	0.0283
	1,2-DIBROMOETHANE	0.1	N/A	0.05	ND	U	2	ND	U	1	**3.6**	J	10	**3.3**	J	10	ND	U	100	**114**		100	ND	U	1	ND	U	1
	1,2-DICHLOROBENZENE	N/A	N/A	600	ND	U	2	ND	U	1	ND	U	10	ND	U	10	ND	U	100	ND	U	100	ND	U	1	ND	U	1
	1,2-DICHLOROETHANE	10	N/A	5	ND	U	2	ND	U	1	ND	U	10	ND	U	10	ND	U	100	ND	U	100	ND	U	1	ND	U	1
	1,2-DICHLOROPROPANE	N/A	N/A	5	ND	U	2	ND	U	1	ND	U	10	ND	U	10	ND	U	100	ND	U	100	ND	U	1	ND	U	1
	1,3,5-TRIMETHYLBENZENE	N/A	N/A	N/A	1.46	J	2	ND	U	1	13.7		10	12.9		10	90	J	100	98	J	100	ND	U	1	ND	U	1
	1,3-DICHLOROBENZENE	N/A	N/A	N/A	ND	U	2	ND	U	1	ND	U	10	ND	U	10	ND	U	100	ND	U	100	ND	U	1	ND	U	1
	1,3-DICHLOROPROPANE	N/A	N/A	N/A	ND	U	2	ND	U	1	ND	U	10	ND	U	10	ND	U	100	ND	U	100	ND	U	1	ND	U	1
	1,4-DICHLOROBENZENE	N/A	N/A	75	ND	U	2	ND	U	1	ND	U	10	ND	U	10	ND	U	100	ND	U	100	ND	U	1	ND	U	1
	2,2-DICHLOROPROPANE	N/A	N/A	N/A	ND	U	2	ND	U	1	ND	U	10	ND	U	10	ND	U	100	ND	U	100	ND	U	1	ND	U	1
	2-BUTANONE	N/A	N/A	N/A	ND	U	20	ND	U	10	29.8	J	100	27.4	J	100	ND	U	1000	824	J	1000	ND	U	10	ND	U	10
	2-CHLOROTOLUENE	N/A	N/A	N/A	ND	U	2	ND	U	1	ND	U	10	ND	U	10	ND	U	100	ND	U	100	ND	U	1	ND	U	1
	2-HEXANONE	N/A	N/A	N/A	ND	U	10	ND	U	5	37.6	J	50	36.6	J	50	ND	U	500	247	J	500	ND	U	5	ND	U	5
	4-CHLOROTOLUENE	N/A	N/A	N/A	ND	U	2	ND	U	1	ND	U	10	ND	U	10	ND	U	100	ND	U	100	ND	U	1	ND	U	1
	4-METHYL-2-PENTANONE	N/A	N/A	N/A	5.58	J	10	ND	U	5	67.9		50	63.2		50	ND	U	500	ND	U	500	ND	U	5	ND	U	5
	ACETONE	N/A	N/A	N/A	ND	U	20	ND	U	10	195		100	174		100	ND	U	1000	2150		1000	ND	U	10	ND	U	10
	BENZENE	10	N/A	5	**380**		2	ND	U	1	**1370**		10	**1270**		10	**14200**		100	**7650**		100	ND	U	1	ND	U	1
	BROMOBENZENE	N/A	N/A	N/A	ND	U	2	ND	U	1	ND	U	10	ND	U	10	ND	U	100	ND	U	100	ND	U	1	ND	U	1
	BROMOCHLOROMETHANE	N/A	N/A	N/A	ND	U	2	ND	U	1	ND	U	10	ND	U	10	ND	U	100	ND	U	100	ND	U	1	ND	U	1
	BROMODICHLOROMETHANE	N/A	N/A	N/A	ND	U	2	ND	U	1	ND	U	10	ND	U	10	ND	U	100	ND	U	100	ND	U	1	ND	U	1
	BROMOFORM	N/A	N/A	N/A	ND	U	2	ND	U	1	ND	U	10	ND	U	10	ND	U	100	ND	U	100	ND	U	1	ND	U	1
	BROMOMETHANE	N/A	N/A	N/A	ND	U	4	ND	UJ	2	ND	U	20	ND	U	20	ND	U	200	ND	UJ	200	ND	UJ	2	ND	U	2
	CARBON DISULFIDE	N/A	N/A	N/A	ND	U	2	ND	U	1	ND	U	10	ND	U	10	48	J	100	78	J	100	ND	U	1	ND	U	1
	CARBON TETRACHLORIDE	10	N/A	5	ND	U	2	ND	U	1	ND	U	10	ND	U	10	ND	U	100	ND	U	100	ND	U	1	ND	U	1
	CHLOROBENZENE	N/A	N/A	100	ND	U	2	ND	U	1	ND	U	10	ND	U	10	ND	U	100	ND	U	100	ND	U	1	ND	U	1
	CHLOROETHANE	N/A	N/A	N/A	ND	U	4	ND	U	2	ND	U	20	ND	U	20	ND	U	200	ND	U	200	ND	U	2	ND	U	2
	CHLOROFORM	100	N/A	100	ND	U	2	ND	U	1	ND	U	10	ND	U	10	ND	U	100	ND	U	100	ND	U	1	ND	U	1
	CHLOROMETHANE	N/A	N/A	N/A	ND	UJ	2	ND	UJ	1	ND	U	10	ND	U	10	ND	UJ	100	ND	UJ	100	ND	UJ	1	ND	U	1
	CIS-1,2-DICHLOROETHENE	N/A	N/A	70	ND	U	2	ND	U	1	ND	U	10	ND	U	10	ND	U	100	ND	U	100	ND	U	1	ND	U	1
	CIS-1,3-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	2	ND	U	1	ND	U	10	ND	U	10	ND	U	100	ND	U	100	ND	U	1	ND	U	1
	DIBROMOCHLOROMETHANE	N/A	N/A	N/A	ND	U	2	ND	U	1	ND	U	10	ND	U	10	ND	U	100	ND	U	100	ND	U	1	ND	U	1
	DIBROMOMETHANE	N/A	N/A	N/A	ND	U	2	ND	U	1	ND	U	10	ND	U	10	ND	U	100	ND	U	100	ND	U	1	ND	U	1
	DICHLORODIFLUOROMETHANE	N/A	N/A	N/A	ND	U	4	1.52	J	2	ND	U	20	ND	U	20	ND	U	200	ND	U	200	ND	U	2	ND	U	2
	ETHYLBENZENE	750	N/A	700	31.5		2	ND	U	1	177		10	165		10	**1500**		100	**1360**		100	ND	U	1	ND	U	1
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	4	ND	U	1	ND	U	20	ND	U	20	ND	U	200	ND	U	200	ND	U	2	ND	U	1
	ISOPROPYLBENZENE	N/A	N/A	N/A	5.24		2	ND	U	1	22.5		10	20.9		10	89	J	100	99	J	100	ND	U	1	ND	U	1
	METHYL TERT-BUTYL ETHER	N/A	N/A	N/A	ND	U	2	ND	U	1	ND	U	10	ND	U	10	ND	U	100	ND	U	100	ND	U	1	ND	U	1
	METHYLENE CHLORIDE	100	N/A	5	ND	U	4	ND	U	2	ND	U	20	ND	U	20	ND	U	200	ND	U	200	ND	U	2	ND	U	2
	NAPHTHALENE	N/A	N/A	30	3.18	J	4	ND	U	1	21.4		20	20.8		20	**120**	J	200	**121**	J	200	ND	U	2	ND	U	1
	N-BUTYLBENZENE	N/A	N/A	N/A	ND	U	2	ND	U	1	ND	U	10	ND	U	10	ND	U	100	ND	U	100	ND	U	1	ND	U	1
	N-PROPYLBENZENE	N/A	N/A	N/A	2.14		2	ND	U	1	13.4		10	12.5		10	92	J	100	91	J	100	ND	U	1	ND	U	1
	P-ISOPROPYLTOLUENE	N/A	N/A	N/A	ND	U	2	ND	U	1	11.4		10	10.7		10	ND	U	100	54	J	100	ND	U	1	ND	U	1
	SEC-BUTYLBENZENE	N/A	N/A	N/A	0.86	J	2	ND	U	1	3	J	10	2.8	J	10	ND	U	100	ND	U	100	ND	U	1	ND	U	1
	STYRENE	N/A	N/A	100	ND	U	2	ND	U	1	ND	U	10	ND	U	10	ND	U	100	ND	U	100	ND	U	1	ND	U	1
	TERT-BUTYLBENZENE	N/A	N/A	N/A	ND	U	2	ND	U	1	ND	U	10	ND	U	10	ND	U	100	ND	U	100	ND	U	1	ND	U	1
	TETRACHLOROETHENE	N/A	N/A	5	ND	U	2	0.41	J	1	ND	U	10	ND	U	10	ND	U	100	ND	U	100	ND	U	1	ND	U	1
	TOLUENE	750	N/A	750	166		2	ND	U	1	432		10	395		10	**6260**		100	**11100**		100	ND	U	1	ND	U	1
	TRANS-1,2-DICHLOROETHENE	N/A	N/A	100	ND	U	2	ND	U	1	ND	U	10	ND	U	10	ND	U	100	ND	U	100	ND	U	1	ND	U	1
	TRANS-1,3-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	2	ND	U	1	ND	U	10	ND	U	10	ND	U	100	ND	U	100	ND	U	1	ND	U	1
	TRICHLOROETHENE	N/A	N/A	5	ND	U	2	0.44	J	1	ND	U	10	ND	U	10	ND	U	100	ND	U	100	ND	U	1	ND	U	1
	TRICHLOROFLUOROMETHANE	N/A	N/A	N/A	ND	U	4	ND	U	2	ND	U	20	ND	U	20	ND	U	200	ND	U	200	ND	U	2	ND	U	2
	VINYL CHLORIDE	1	N/A	1	ND	U	2	ND	U	1	ND	U	10	ND	U	10	ND	U	100	ND	U	100	ND	U	1	ND	U	1
	XYLENES	620	N/A	10000	27.1		6	ND	U	3	238		30	220		30	**1810**		300	**2620**		300	ND	U	3	ND	U	3

Table 5-1
Groundwater Analytical Results
April - June 2012

			LOCATION CODE		KAFB-1066			KAFB-1067			KAFB-1068			KAFB-1068			KAFB-1069			KAFB-10610			KAFB-10611			KAFB-10613		
			SAMPLE NO		GW0509			GW0510			GW0511			GW0512			GW0513			GW0514			GW0515			GW0606		
			SAMPLE DATE		10-May-12			11-Apr-12			9-May-12			9-May-12			9-May-12			26-Apr-12			26-Apr-12			18-Apr-12		
			SAMPLE PURPOSE		REG			REG			REG			FD			REG			REG			REG			REG		
			SAMPLE DEPTH		484-509 FT			484-509 FT			486-511 FT			486-511 FT			480-505 FT			483-508 FT			486-511 FT			487-512 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	5	ND	U	47.2	ND	U	48.1	ND	U	236	ND	U	48.5	ND	U	4.81	ND	U	4.76
	1,2-DIPHENYLHYDRAZINE	N/A	N/A	N/A	ND	U	4.72	ND	U	5	ND	U	47.2	ND	U	48.1	ND	U	236	ND	U	48.5	ND	U	4.81	ND	U	4.76
	1-METHYL NAPHTHALENE	N/A	N/A	30	ND	U	4.72	ND	U	5	ND	U	47.2	ND	U	48.1	ND	U	236	22.8	J	48.5	ND	U	4.81	ND	U	4.76
	2,4,5-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	5	ND	U	47.2	ND	U	48.1	ND	U	236	ND	U	48.5	ND	U	4.81	ND	U	4.76
	2,4,6-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	5	ND	U	47.2	ND	U	48.1	ND	U	236	ND	U	48.5	ND	U	4.81	ND	U	4.76
	2,4-DICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	5	ND	U	47.2	ND	U	48.1	ND	U	236	ND	U	48.5	ND	U	4.81	ND	U	4.76
	2,4-DIMETHYLPHENOL	N/A	N/A	N/A	ND	U	18.9	ND	U	20	ND	U	189	ND	U	192	ND	U	943	ND	U	194	ND	U	19.2	ND	U	19
	2,4-DINITROPHENOL	N/A	N/A	N/A	ND	U	47.2	ND	U	50	ND	U	472	ND	U	481	ND	U	2360	ND	U	485	ND	U	48.1	ND	U	47.6
	2,4-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.72	ND	U	5	ND	U	47.2	ND	U	48.1	ND	U	236	ND	U	48.5	ND	U	4.81	ND	U	4.76
	2,6-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.72	ND	U	5	ND	U	47.2	ND	U	48.1	ND	U	236	ND	U	48.5	ND	U	4.81	ND	U	4.76
	2-CHLORONAPHTHALENE	N/A	N/A	N/A	ND	U	4.72	ND	U	5	ND	U	47.2	ND	U	48.1	ND	U	236	ND	U	48.5	ND	U	4.81	ND	U	4.76
	2-CHLOROPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	5	ND	U	47.2	ND	U	48.1	ND	U	236	ND	U	48.5	ND	U	4.81	ND	U	4.76
	2-METHYLNAPHTHALENE	N/A	N/A	30	ND	U	4.72	ND	U	5	ND	U	47.2	ND	U	48.1	ND	U	236	23.2	J	48.5	ND	U	4.81	ND	U	4.76
	2-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	5	ND	U	47.2	ND	U	48.1	107	J	236	ND	U	48.5	ND	U	4.81	ND	U	4.76
	2-NITROANILINE	N/A	N/A	N/A	ND	U	18.9	ND	U	20	ND	U	189	ND	U	192	ND	U	943	ND	U	194	ND	U	19.2	ND	U	19
	2-NITROPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	5	ND	U	47.2	ND	U	48.1	ND	U	236	ND	U	48.5	ND	U	4.81	ND	U	4.76
	3,3'-DICHLOROBENZIDINE	N/A	N/A	N/A	ND	U	4.72	ND	U	5	ND	U	47.2	ND	U	48.1	ND	U	236	ND	U	48.5	ND	U	4.81	ND	U	4.76
	3-METHYLPHENOL AND 4-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	5	ND	U	47.2	ND	U	48.1	ND	U	236	ND	U	48.5	ND	U	4.81	ND	U	4.76
	3-NITROANILINE	N/A	N/A	N/A	ND	U	18.9	ND	U	20	ND	U	189	ND	U	192	ND	U	943	ND	U	194	ND	U	19.2	ND	U	19
	4,6-DINITRO-2-METHYLPHENOL	N/A	N/A	N/A	ND	U	18.9	ND	U	20	ND	U	189	ND	U	192	ND	U	943	ND	U	194	ND	U	19.2	ND	U	19
	4-BROMOPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.72	ND	U	5	ND	U	47.2	ND	U	48.1	ND	U	236	ND	U	48.5	ND	U	4.81	ND	U	4.76
	4-CHLORO-3-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	5	ND	U	47.2	ND	U	48.1	ND	U	236	ND	U	48.5	ND	U	4.81	ND	U	4.76
	4-CHLOROANILINE	N/A	N/A	N/A	ND	U	4.72	ND	U	5	ND	U	47.2	ND	U	48.1	ND	U	236	ND	U	48.5	ND	U	4.81	ND	U	4.76
	4-CHLOROPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.72	ND	U	5	ND	U	47.2	ND	U	48.1	ND	U	236	ND	U	48.5	ND	U	4.81	ND	U	4.76
	4-NITROANILINE	N/A	N/A	N/A	ND	U	18.9	ND	U	20	ND	U	189	ND	U	192	ND	U	943	ND	U	194	ND	U	19.2	ND	U	19
	4-NITROPHENOL	N/A	N/A	N/A	ND	U	18.9	ND	U	20	ND	U	189	ND	U	192	ND	U	943	ND	U	194	ND	U	19.2	ND	U	19
	ACENAPHTHENE	N/A	N/A	N/A	ND	U	4.72	ND	U	5	ND	U	47.2	ND	U	48.1	ND	U	236	ND	U	48.5	ND	U	4.81	ND	U	4.76
	ACENAPHTHYLENE	N/A	N/A	N/A	ND	U	4.72	ND	U	5	ND	U	47.2	ND	U	48.1	ND	U	236	ND	U	48.5	ND	U	4.81	ND	U	4.76
	ACETOPHENONE	N/A	N/A	N/A	ND	U	4.72	ND	U	5	390	J+	47.2	428	J+	48.1	409		236	5080		485	ND	U	4.81	ND	U	4.76
	ANTHRACENE	N/A	N/A	N/A	ND	U	4.72	ND	U	5	ND	U	47.2	ND	U	48.1	ND	U	236	ND	U	48.5	ND	U	4.81	ND	U	4.76
	ATRAZINE	N/A	N/A	N/A	ND	U	4.72	ND	U	5	ND	U	47.2	ND	U	48.1	ND	U	236	ND	U	48.5	ND	U	4.81	ND	U	4.76
	BENZALDEHYDE	N/A	N/A	N/A	ND	U	4.72	ND	U	5	ND	U	47.2	ND	U	48.1	ND	U	236	27.3	J	48.5	ND	U	4.81	ND	U	4.76
	BENZIDINE	N/A	N/A	N/A	ND	U	47.2	ND	U	50	ND	U	472	ND	U	481	ND	U	2360	ND	U	485	ND	U	48.1	ND	U	47.6
	BENZO(A)ANTHRACENE	N/A	N/A	N/A	ND	U	4.72	ND	U	5	ND	U	47.2	ND	U	48.1	ND	U	236	ND	U	48.5	ND	U	4.81	ND	U	4.76
	BENZO(A)PYRENE	0.7	N/A	0.2	ND	U	4.72	ND	U	5	ND	U	47.2	ND	U	48.1	ND	U	236	ND	U	48.5	ND	U	4.81	ND	U	4.76
	BENZO(B)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.72	ND	U	5	ND	U	47.2	ND	U	48.1	ND	U	236	ND	U	48.5	ND	U	4.81	ND	U	4.76
	BENZO(GHI)PERYLENE	N/A	N/A	N/A	ND	U	4.72	ND	U	5	ND	U	47.2	ND	U	48.1	ND	U	236	ND	U	48.5	ND	U	4.81	ND	U	4.76
	BENZO(K)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.72	ND	U	5	ND	U	47.2	ND	U	48.1	ND	U	236	ND	U	48.5	ND	U	4.81	ND	U	4.76
	BENZOIC ACID	N/A	N/A	N/A	ND	U	47.2	ND	U	50	ND	U	472	ND	U	481	ND	U	2360	ND	U	485	ND	U	48.1	ND	U	47.6
	BIS(2-CHLOROETHOXY)METHANE	N/A	N/A	N/A	ND	U	4.72	ND	U	5	ND	U	47.2	ND	U	48.1	ND	U	236	ND	U	48.5	ND	U	4.81	ND	U	4.76
	BIS(2-CHLOROETHYL)ETHER	N/A	N/A	N/A	ND	U	4.72	ND	U	5	ND	U	47.2	ND	U	48.1	ND	U	236	ND	U	48.5	ND	U	4.81	ND	U	4.76
	BIS(2-CHLOROISOPROPYL)ETHER	N/A	N/A	N/A	ND	U	4.72	ND	U	5	ND	U	47.2	ND	U	48.1	ND	U	236	ND	U	48.5	ND	U	4.81	ND	U	4.76
	BIS(2-ETHYLHEXYL)PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	5	ND	U	47.2	ND	U	48.1	ND	U	236	ND	U	48.5	ND	U	4.81	ND	U	4.76
	BUTYL BENZYL PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	5	ND	U	47.2	ND	U	48.1	ND	U	236	ND	U	48.5	ND	U	4.81	ND	U	4.76
	CAPROLACTAM	N/A	N/A	N/A	ND	UJ	4.72	ND	U	5	ND	UJ	47.2	ND	UJ	48.1	ND	UJ	236	ND	UJ	48.5	ND	U	4.81	ND	U	4.76
	CARBAZOLE	N/A	N/A	N/A	ND	U	4.72	ND	U	5	ND	U	47.2	ND	U	48.1	ND	U	236	ND	U	48.5	ND	U	4.81	ND	U	4.76
	CHRYSENE	N/A	N/A	N/A	ND	U	4.72	ND	U	5	ND	U	47.2	ND	U	48.1	ND	U	236	ND	U	48.5	ND	U	4.81	ND	U	4.76
	DIBENZO(A,H)ANTHRACENE	N/A	N/A	N/A	ND	U	4.72	ND	U	5	ND	U	47.2	ND	U	48.1	ND	U	236	ND	U	48.5	ND	U	4.81	ND	U	4.76
	DIBENZOFURAN	N/A	N/A	N/A	ND	U	4.72	ND	U	5	ND	U	47.2	ND	U	48.1	ND	U	236	ND	U	48.5	ND	U	4.81	ND	U	4.76
	DIETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	5	ND	U	47.2	ND	U	48.1	ND	U	236	ND	U	48.5	ND	U	4.81	ND	U	4.76
	DIMETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	5	ND	U	47.2	ND	U	48.1	ND	U	236	ND	U	48.5	ND	U	4.81	ND	U	4.76
	DI-N-BUTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	5	ND	U	47.2	ND	U	48.1	ND	U	236	ND	U	48.5	ND	U	4.81	ND	U	4.76
	DI-N-OCTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	5	ND	U	47.2	ND	U	48.1	ND	U	236	ND	U	48.5	ND	U	4.81	ND	U	4.76
	FLUORANTHENE	N/A	N/A	N/A	ND	U	4.72	ND	U	5	ND	U	47.2	ND	U	48.1	ND	U	236	ND	U	48.5	ND	U	4.81	ND	U	4.76
	FLUORENE	N/A	N/A	N/A	ND	U	4.72	ND	U	5	ND	U	47.2	ND	U	48.1	ND	U	236	ND	U	48.5	ND	U	4.81	ND	U	4.76
	HEXACHLOROBENZENE	N/A	N/A	N/A	ND	U	4.72	ND	U	5	ND	U	47.2	ND	U	48.1	ND	U	236	ND	U	48.5	ND	U	4.81	ND	U	4.76
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	4.72	ND	U	5	ND	U	47.2	ND	U	48.1	ND	U	236	ND	U	48.5	ND	U	4.81	ND	U	4.76
	HEXACHLOROCYCLOPENTADIENE	N/A	N/A	N/A	ND	U	4.72	ND	U	5	ND	U	47.2	ND	U	48.1	ND	U	236	ND	U	48.5	ND	U	4.81	ND	U	4.76
	HEXACHLOROETHANE	N/A	N/A	N/A	ND	U	4.72	ND	U	5	ND	U	47.2	ND	U	48.1	ND	U	236	ND	U	48.5	ND	U	4.81	ND	U	4.76
	INDENO(1,2,3-CD)PYRENE	N/A	N/A	N/A	ND	U	4.72	ND	U	5	ND	U	47.2	ND	U	48.1	ND	U	236	ND	U	48.5	ND	U	4.81	ND	U	4.76
	ISOPHORONE	N/A	N/A	N/A	ND	U	4.72	ND	U	5	ND	U	47.2	ND	U	48.1	ND	U	236	ND	U	48.5	ND	U	4.81	ND	U	4.76
	NAPHTHALENE	N/A	N/A	30	2.73	J	4.72	ND	U	5	19.1	J	47.2	20.2	J	48.1	**109**	J	236	**76.4**		48.5	ND	U	4.81	ND	U	4.76
	NITROBENZENE	N/A	N/A	N/A	ND	U	4.72	ND	U	5	ND	U	47.2	ND	U	48.1	ND	U	236	ND	U	48.5	ND	U	4.81	ND	U	4.76
	N-NITROSO-DI-N-PROPYLAMINE	N/A	N/A	N/A	ND	U	4.72	ND	U	5	ND	U	47.2	ND	U	48.1	ND	U	236	ND	U	48.5	ND	U	4.81	ND	U	4.76
	N-NITROSODIPHENYLAMINE	N/A	N/A	N/A	ND	U	4.72	ND	U	5	ND	U	47.2	ND	U	48.1	ND	U	236	ND	U	48.5	ND	U	4.81	ND	U	4.76
	PENTACHLOROPHENOL	N/A	N/A	N/A	ND	U	18.9	ND	U	20	ND	U	189	ND	U	192	ND	U	943	ND	U	194	ND	U	19.2	ND	U	19
	PHENANTHRENE	N/A	N/A	N/A	ND	U	4.72	ND	U	5	ND	U	47.2	ND	U	48.1	ND	U	236	ND	U	48.5	ND	U	4.81	ND	U	4.76
	PHENOL	N/A	N/A	5	ND	U	4.72	ND	U	5	ND	U	47.2	ND	U	48.1	ND	U	236	ND	U	48.5	ND	U	4.81	ND	U	4.76
	PYRENE	N/A	N/A	N/A	ND	U	4.72	ND	U	5	ND	U	47.2	ND	U	48.1	ND	U	236	ND	U	48.5	ND	U	4.81	ND	U	4.76

Table 5-1
Groundwater Analytical Results
April - June 2012

				LOCATION CODE	KAFB-1066			KAFB-1067			KAFB-1068			KAFB-1068			KAFB-1069			KAFB-10610			KAFB-10611			KAFB-10613		
				SAMPLE NO	GW0509			GW0510			GW0511			GW0512			GW0513			GW0514			GW0515			GW0606		
				SAMPLE DATE	10-May-12			11-Apr-12			9-May-12			9-May-12			9-May-12			26-Apr-12			26-Apr-12			18-Apr-12		
				SAMPLE PURPOSE	REG			REG			REG			FD			REG			REG			REG			REG		
				SAMPLE DEPTH	484-509 FT			484-509 FT			486-511 FT			486-511 FT			480-505 FT			483-508 FT			486-511 FT			487-512 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	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	49.7		5	47		5	54.3		5	54.9		5	174		5	90.9		5	37.6		5	43.6		5
	IRON, DISSOLVED	1	N/A	0.3	0.0925	J	0.1	ND	U	0.1	0.159		0.1	0.169		0.1	**6.6**		0.1	0.0659	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	6.63		5	6.3		5	7.84		5	7.93		5	26.3		5	12.2		5	4.86	J	5	6.13		5
	MANGANESE, DISSOLVED	0.2	N/A	0.05	**0.178**		0.015	ND	U	0.015	**1.35**		0.015	**1.45**		0.015	**6.01**		0.015	**1.16**		0.015	ND	U	0.015	0.00724	J	0.015
	POTASSIUM	N/A	N/A	N/A	2.28	J	5	2.35	J	5	2.53	J	5	2.55	J	5	4.48	J	5	3.27	J	5	2.08	J	5	2.29	J	5
	SODIUM	N/A	N/A	N/A	26.7		5	26.2		5	27.2		5	27.4		5	46.3		5	33.7		5	23.5		5	23.7		5
Anions (mg/L) Method E300.0	CHLORIDE	250	N/A	250	11.3		0.5	11.3		0.5	12		0.5	12		0.5	118		0.5	57		0.5	8.93		0.5	13.1		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	ND	U	1.5	0.713	J	1.5	ND	U	1.5	ND	U	1.5	ND	U	1.5	ND	U	1.5	0.315	J	1.5	ND	U	1.5
	SULFATE	600	N/A	250	25.1		2.5	33.3		2	7.06		2.5	7.3		2.5	ND	U	2.5	42		2	30.1		2	34.1		2
	SULFIDE, TOTAL (Method 4500S2CF)	N/A	N/A	N/A	1.48	J	3.7	ND	U	3.39	2.37	J	3.7	2.37	J	3.7	ND	U	3.45	1.75	J	3.39	ND	U	3.39	ND	U	3.39
Alkalinity (mg/L) Method SM2320B	ALKALINITY, BICARBONATE (AS CACO3)	N/A	N/A	N/A	149		1	126		1	187		1	181		1	438		1	181		1	107		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	18.89			19.64			18.66			N/A			21.02			19.02			19.51			18.43		
	pH (S.U.)	N/A	N/A	N/A	7.61			7.78			7.32			N/A			6.71			7.32			7.78			7.8		
	Spec Cond (µS/cm2)	N/A	N/A	N/A	334.4			352.5			344.4			N/A			1150			619.8			309.2			323.3		
	DO (mg/L)	N/A	N/A	N/A	0.64			4.99			0.08			N/A			0.03			0			4.93			5.43		
	ORP (mV)	N/A	N/A	N/A	-217			86			-315			N/A			-235			-312			-15			116		
	Turbidity (NTU)	N/A	N/A	N/A	1.87			0.4			1.69			N/A			4.12			6.33			0.47			1.11		
	Alkalinity (mg/L as CaCO3)	N/A	N/A	N/A	184			116			184			N/A			286			192			96			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

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Table 5-1
Groundwater Analytical Results
April - June 2012

			LOCATION CODE		KAFB-10614			KAFB-10615			KAFB-10616			KAFB-10617			KAFB-10618			KAFB-10619			KAFB-10619			KAFB-10620		
			SAMPLE NO		GW0517			GW0518			GW0519			GW0520			GW0521			GW0522			GW0523			GW0524		
			SAMPLE DATE		7-May-12			7-May-12			18-Apr-12			4-Apr-12			4-Apr-12			4-Apr-12			4-Apr-12			3-May-12		
			SAMPLE PURPOSE		REG			REG			REG			REG			REG			REG			FD			REG		
			SAMPLE DEPTH		486-511 FT			480-505 FT			475-500 FT			482-507 FT			476-501 FT			493-518 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	57100		7550	1370		392	ND	U	96.2	ND	U	96.2	910		94.3	ND	U	94.3	ND	U	94.3	ND	U	377
	GASOLINE RANGE ORGANICS	N/A	N/A	N/A	43900		3750	ND	U	150	ND	U	150	173		150	192		150	118	J	150	120	J	150	ND	U	150
VOCs (µg/L) Method 8260B	1,1,1,2-TETRACHLOROETHANE	N/A	N/A	N/A	ND	U	100	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	100	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	100	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	100	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	100	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	100	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	100	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	200	ND	U	2	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2
	1,2,3-TRICHLOROPROPANE	N/A	N/A	N/A	ND	U	200	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	200	ND	U	2	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2
	1,2,4-TRIMETHYLBENZENE	N/A	N/A	N/A	227		100	ND	U	1	ND	U	1	4.8		1	ND	U	1	6.58		1	6.37		1	ND	U	1
	1,2-DIBROMO-3-CHLOROPROPANE	N/A	N/A	0.2	ND	U	200	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2
	1,2-DIBROMOETHANE (Method 8011)	0.1	N/A	0.05	**320**	J-	11.2	ND	UJ	0.0281	ND	U	0.0286	**1.31**		0.0572	**0.218**		0.0285	**0.223**		0.0284	**0.262**		0.0285	ND	U	0.0283
	1,2-DIBROMOETHANE	0.1	N/A	0.05	**235**		100	ND	U	1	ND	U	1	**1.43**		1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,2-DICHLOROBENZENE	N/A	N/A	600	ND	U	100	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	100	ND	U	1	ND	U	1	ND	U	1	0.41	J	1	ND	U	1	ND	U	1	ND	U	1
	1,2-DICHLOROPROPANE	N/A	N/A	5	ND	U	100	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	73	J	100	ND	U	1	ND	U	1	ND	U	1	0.44	J	1	ND	U	1	ND	U	1	ND	U	1
	1,3-DICHLOROBENZENE	N/A	N/A	N/A	ND	U	100	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	100	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	100	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	100	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	1100		1000	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	100	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	458	J	500	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	100	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	299	J	500	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	2960	J-	1000	ND	UJ	10	ND	U	10	ND	U	10	5.43	J	10	ND	U	10	ND	U	10	ND	U	10
	BENZENE	10	N/A	5	**8020**		100	ND	U	1	ND	U	1	0.61	J	1	0.61	J	1	0.3	J	1	0.29	J	1	ND	U	1
	BROMOBENZENE	N/A	N/A	N/A	ND	U	100	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	100	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	100	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	100	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	200	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	UJ	2
	CARBON DISULFIDE	N/A	N/A	N/A	27	J	100	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	100	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	100	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	200	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	100	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	100	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	UJ	1
	CIS-1,2-DICHLOROETHENE	N/A	N/A	70	ND	U	100	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	100	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	100	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	100	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	200	ND	U	2	ND	U	2	1.25	J	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2
	ETHYLBENZENE	750	N/A	700	**1170**		100	ND	U	1	ND	U	1	ND	U	1	0.27	J	1	ND	U	1	ND	U	1	ND	U	1
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	200	ND	U	2	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2
	ISOPROPYLBENZENE	N/A	N/A	N/A	79	J	100	ND	U	1	ND	U	1	4.7		1	2.91		1	6.33		1	6.15		1	ND	U	1
	METHYL TERT-BUTYL ETHER	N/A	N/A	N/A	ND	U	100	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	200	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	**83**	J	200	ND	U	2	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2
	N-BUTYLBENZENE	N/A	N/A	N/A	ND	U	100	ND	U	1	ND	U	1	ND	U	1	0.25	J	1	ND	U	1	ND	U	1	ND	U	1
	N-PROPYLBENZENE	N/A	N/A	N/A	77	J	100	ND	U	1	ND	U	1	0.65	J	1	0.79	J	1	0.58	J	1	0.57	J	1	ND	U	1
	P-ISOPROPYLTOLUENE	N/A	N/A	N/A	ND	U	100	ND	U	1	ND	U	1	ND	U	1	ND	U	1	0.52	J	1	0.5	J	1	ND	U	1
	SEC-BUTYLBENZENE	N/A	N/A	N/A	ND	U	100	ND	U	1	ND	U	1	0.54	J	1	0.33	J	1	0.93	J	1	0.89	J	1	ND	U	1
	STYRENE	N/A	N/A	100	ND	U	100	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	100	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	100	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	**14500**		100	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	100	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	100	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	100	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	200	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	100	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	**2610**		300	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
April - June 2012

			LOCATION CODE		KAFB-10614			KAFB-10615			KAFB-10616			KAFB-10617			KAFB-10618			KAFB-10619			KAFB-10619			KAFB-10620		
			SAMPLE NO		GW0517			GW0518			GW0519			GW0520			GW0521			GW0522			GW0523			GW0524		
			SAMPLE DATE		7-May-12			7-May-12			18-Apr-12			4-Apr-12			4-Apr-12			4-Apr-12			4-Apr-12			3-May-12		
			SAMPLE PURPOSE		REG			REG			REG			REG			REG			REG			FD			REG		
			SAMPLE DEPTH		486-511 FT			480-505 FT			475-500 FT			482-507 FT			476-501 FT			493-518 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	245	ND	U	4.9	ND	U	4.9	ND	U	4.76	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9
	1,2-DIPHENYLHYDRAZINE	N/A	N/A	N/A	ND	U	245	ND	U	4.9	ND	U	4.9	ND	U	4.76	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9
	1-METHYL NAPHTHALENE	N/A	N/A	30	ND	U	245	ND	U	4.9	ND	U	4.9	ND	U	4.76	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9
	2,4,5-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	245	ND	U	4.9	ND	U	4.9	ND	U	4.76	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9
	2,4,6-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	245	ND	U	4.9	ND	U	4.9	ND	U	4.76	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9
	2,4-DICHLOROPHENOL	N/A	N/A	N/A	ND	U	245	ND	U	4.9	ND	U	4.9	ND	U	4.76	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9
	2,4-DIMETHYLPHENOL	N/A	N/A	N/A	ND	U	980	ND	U	19.6	ND	U	19.6	ND	U	19	ND	U	19.2	ND	U	19.6	ND	U	19.6	ND	U	19.6
	2,4-DINITROPHENOL	N/A	N/A	N/A	ND	U	2450	ND	U	49	ND	U	49	ND	U	47.6	ND	U	48.1	ND	U	49	ND	U	49	ND	U	49
	2,4-DINITROTOLUENE	N/A	N/A	N/A	ND	U	245	ND	U	4.9	ND	U	4.9	ND	U	4.76	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9
	2,6-DINITROTOLUENE	N/A	N/A	N/A	ND	U	245	ND	U	4.9	ND	U	4.9	ND	U	4.76	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9
	2-CHLORONAPHTHALENE	N/A	N/A	N/A	ND	U	245	ND	U	4.9	ND	U	4.9	ND	U	4.76	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9
	2-CHLOROPHENOL	N/A	N/A	N/A	ND	U	245	ND	U	4.9	ND	U	4.9	ND	U	4.76	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9
	2-METHYLNAPHTHALENE	N/A	N/A	30	ND	U	245	ND	U	4.9	ND	U	4.9	ND	U	4.76	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9
	2-METHYLPHENOL	N/A	N/A	N/A	ND	U	245	ND	U	4.9	ND	U	4.9	ND	U	4.76	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9
	2-NITROANILINE	N/A	N/A	N/A	ND	U	980	ND	U	19.6	ND	U	19.6	ND	U	19	ND	U	19.2	ND	U	19.6	ND	U	19.6	ND	U	19.6
	2-NITROPHENOL	N/A	N/A	N/A	ND	U	245	ND	U	4.9	ND	U	4.9	ND	U	4.76	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9
	3,3'-DICHLOROBENZIDINE	N/A	N/A	N/A	ND	U	245	ND	U	4.9	ND	U	4.9	ND	U	4.76	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9
	3-METHYLPHENOL AND 4-METHYLPHENOL	N/A	N/A	N/A	ND	U	245	ND	U	4.9	ND	U	4.9	ND	U	4.76	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9
	3-NITROANILINE	N/A	N/A	N/A	ND	U	980	ND	U	19.6	ND	U	19.6	ND	U	19	ND	U	19.2	ND	U	19.6	ND	U	19.6	ND	U	19.6
	4,6-DINITRO-2-METHYLPHENOL	N/A	N/A	N/A	ND	U	980	ND	U	19.6	ND	U	19.6	ND	U	19	ND	U	19.2	ND	U	19.6	ND	U	19.6	ND	U	19.6
	4-BROMOPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	245	ND	U	4.9	ND	U	4.9	ND	U	4.76	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9
	4-CHLORO-3-METHYLPHENOL	N/A	N/A	N/A	ND	U	245	ND	U	4.9	ND	U	4.9	ND	U	4.76	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9
	4-CHLOROANILINE	N/A	N/A	N/A	ND	U	245	ND	U	4.9	ND	U	4.9	ND	U	4.76	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9
	4-CHLOROPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	245	ND	U	4.9	ND	U	4.9	ND	U	4.76	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9
	4-NITROANILINE	N/A	N/A	N/A	ND	U	980	ND	U	19.6	ND	U	19.6	ND	U	19	ND	U	19.2	ND	U	19.6	ND	U	19.6	ND	U	19.6
	4-NITROPHENOL	N/A	N/A	N/A	ND	U	980	ND	U	19.6	ND	U	19.6	ND	U	19	ND	U	19.2	ND	U	19.6	ND	U	19.6	ND	U	19.6
	ACENAPHTHENE	N/A	N/A	N/A	ND	U	245	ND	U	4.9	ND	U	4.9	ND	U	4.76	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9
	ACENAPHTHYLENE	N/A	N/A	N/A	ND	U	245	ND	U	4.9	ND	U	4.9	ND	U	4.76	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9
	ACETOPHENONE	N/A	N/A	N/A	8910		980	ND	U	4.9	ND	U	4.9	ND	U	4.76	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9
	ANTHRACENE	N/A	N/A	N/A	ND	U	245	ND	U	4.9	ND	U	4.9	ND	U	4.76	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9
	ATRAZINE	N/A	N/A	N/A	ND	U	245	ND	U	4.9	ND	U	4.9	ND	U	4.76	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9
	BENZALDEHYDE	N/A	N/A	N/A	ND	U	245	ND	U	4.9	ND	U	4.9	ND	U	4.76	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9
	BENZIDINE	N/A	N/A	N/A	ND	U	2450	ND	U	49	ND	U	49	ND	U	47.6	ND	U	48.1	ND	U	49	ND	U	49	ND	U	49
	BENZO(A)ANTHRACENE	N/A	N/A	N/A	ND	U	245	ND	U	4.9	ND	U	4.9	ND	U	4.76	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9
	BENZO(A)PYRENE	0.7	N/A	0.2	ND	U	245	ND	U	4.9	ND	U	4.9	ND	U	4.76	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9
	BENZO(B)FLUORANTHENE	N/A	N/A	N/A	ND	U	245	ND	U	4.9	ND	U	4.9	ND	U	4.76	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9
	BENZO(GHI)PERYLENE	N/A	N/A	N/A	ND	U	245	ND	U	4.9	ND	U	4.9	ND	U	4.76	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9
	BENZO(K)FLUORANTHENE	N/A	N/A	N/A	ND	U	245	ND	U	4.9	ND	U	4.9	ND	U	4.76	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9
	BENZOIC ACID	N/A	N/A	N/A	ND	U	2450	ND	U	49	ND	U	49	ND	U	47.6	ND	U	48.1	ND	U	49	ND	U	49	ND	U	49
	BIS(2-CHLOROETHOXY)METHANE	N/A	N/A	N/A	ND	U	245	ND	U	4.9	ND	U	4.9	ND	U	4.76	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9
	BIS(2-CHLOROETHYL)ETHER	N/A	N/A	N/A	ND	U	245	ND	U	4.9	ND	U	4.9	ND	U	4.76	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9
	BIS(2-CHLOROISOPROPYL)ETHER	N/A	N/A	N/A	ND	U	245	ND	U	4.9	ND	U	4.9	ND	U	4.76	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9
	BIS(2-ETHYLHEXYL)PHTHALATE	N/A	N/A	N/A	ND	U	245	ND	U	4.9	ND	U	4.9	ND	U	4.76	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9
	BUTYL BENZYL PHTHALATE	N/A	N/A	N/A	ND	U	245	ND	U	4.9	ND	U	4.9	ND	U	4.76	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9
	CAPROLACTAM	N/A	N/A	N/A	ND	UJ	245	ND	UJ	4.9	ND	UJ	4.9	ND	UJ	4.76	ND	UJ	4.81	ND	UJ	4.9	ND	UJ	4.9	ND	UJ	4.9
	CARBAZOLE	N/A	N/A	N/A	ND	U	245	ND	U	4.9	ND	U	4.9	ND	U	4.76	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9
	CHRYSENE	N/A	N/A	N/A	ND	U	245	ND	U	4.9	ND	U	4.9	ND	U	4.76	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9
	DIBENZO(A,H)ANTHRACENE	N/A	N/A	N/A	ND	U	245	ND	U	4.9	ND	U	4.9	ND	U	4.76	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9
	DIBENZOFURAN	N/A	N/A	N/A	ND	U	245	ND	U	4.9	ND	U	4.9	ND	U	4.76	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9
	DIETHYL PHTHALATE	N/A	N/A	N/A	ND	U	245	ND	U	4.9	ND	U	4.9	ND	U	4.76	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9
	DIMETHYL PHTHALATE	N/A	N/A	N/A	ND	U	245	ND	U	4.9	ND	U	4.9	ND	U	4.76	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9
	DI-N-BUTYL PHTHALATE	N/A	N/A	N/A	ND	U	245	ND	U	4.9	ND	U	4.9	ND	U	4.76	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9
	DI-N-OCTYL PHTHALATE	N/A	N/A	N/A	ND	U	245	ND	U	4.9	ND	U	4.9	ND	U	4.76	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9
	FLUORANTHENE	N/A	N/A	N/A	ND	U	245	ND	U	4.9	ND	U	4.9	ND	U	4.76	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9
	FLUORENE	N/A	N/A	N/A	ND	U	245	ND	U	4.9	ND	U	4.9	ND	U	4.76	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9
	HEXACHLOROBENZENE	N/A	N/A	N/A	ND	U	245	ND	U	4.9	ND	U	4.9	ND	U	4.76	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	245	ND	U	4.9	ND	U	4.9	ND	U	4.76	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9
	HEXACHLOROCYCLOPENTADIENE	N/A	N/A	N/A	ND	U	245	ND	U	4.9	ND	U	4.9	ND	U	4.76	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9
	HEXACHLOROETHANE	N/A	N/A	N/A	ND	U	245	ND	U	4.9	ND	U	4.9	ND	U	4.76	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9
	INDENO(1,2,3-CD)PYRENE	N/A	N/A	N/A	ND	U	245	ND	U	4.9	ND	U	4.9	ND	U	4.76	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9
	ISOPHORONE	N/A	N/A	N/A	ND	U	245	ND	U	4.9	ND	U	4.9	ND	U	4.76	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9
	NAPHTHALENE	N/A	N/A	30	**86.1**	J	245	ND	U	4.9	ND	U	4.9	ND	U	4.76	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9
	NITROBENZENE	N/A	N/A	N/A	ND	U	245	ND	U	4.9	ND	U	4.9	ND	U	4.76	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9
	N-NITROSO-DI-N-PROPYLAMINE	N/A	N/A	N/A	ND	U	245	ND	U	4.9	ND	U	4.9	ND	U	4.76	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9
	N-NITROSODIPHENYLAMINE	N/A	N/A	N/A	ND	U	245	ND	U	4.9	ND	U	4.9	ND	U	4.76	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9
	PENTACHLOROPHENOL	N/A	N/A	N/A	ND	U	980	ND	U	19.6	ND	U	19.6	ND	U	19	ND	U	19.2	ND	U	19.6	ND	U	19.6	ND	U	19.6
	PHENANTHRENE	N/A	N/A	N/A	ND	U	245	ND	U	4.9	ND	U	4.9	ND	U	4.76	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9
	PHENOL	N/A	N/A	5	ND	U	245	ND	U	4.9	ND	U	4.9	ND	U	4.76	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9
	PYRENE	N/A	N/A	N/A	ND	U	245	ND	U	4.9	ND	U	4.9	ND	U	4.76	ND	U	4.81	ND	U	4.9	ND	U	4.9	ND	U	4.9

Table 5-1
Groundwater Analytical Results
April - June 2012

			LOCATION CODE		KAFB-10614			KAFB-10615			KAFB-10616			KAFB-10617			KAFB-10618			KAFB-10619			KAFB-10619			KAFB-10620		
			SAMPLE NO		GW0517			GW0518			GW0519			GW0520			GW0521			GW0522			GW0523			GW0524		
			SAMPLE DATE		7-May-12			7-May-12			18-Apr-12			4-Apr-12			4-Apr-12			4-Apr-12			4-Apr-12			3-May-12		
			SAMPLE PURPOSE		REG			REG			REG			REG			REG			REG			FD			REG		
			SAMPLE DEPTH		486-511 FT			480-505 FT			475-500 FT			482-507 FT			476-501 FT			493-518 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	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	71.9		5	43.9		5	38.7		5	43.6		5	38.9		5	42.6		5	43.3		5	58.6		5
	IRON, DISSOLVED	1	N/A	0.3	**0.526**		0.1	ND	U	0.1	ND	U	0.1	0.0333	J	0.1	0.148		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	9.85		5	5.22		5	5.61		5	6.2		5	5.91		5	5.81		5	5.93		5	8.52		5
	MANGANESE, DISSOLVED	0.2	N/A	0.05	**1.37**		0.015	0.00327	J	0.015	0.0186		0.015	**0.12**		0.015	**0.748**		0.015	**0.115**		0.015	**0.115**		0.015	0.0121	J	0.015
	POTASSIUM	N/A	N/A	N/A	2.87	J	5	2.28	J	5	2.17	J	5	2.36	J	5	2.3	J	5	2.25	J	5	2.31	J	5	2.46	J	5
	SODIUM	N/A	N/A	N/A	31.6		5	21.1		5	20.9		5	25.9		5	24.2		5	24.6		5	25.3		5	26.4		5
Anions (mg/L) Method E300.0	CHLORIDE	250	N/A	250	13.2		1	19.1		1	8.04		0.5	12		0.5	11.5		0.5	9.76		0.5	9.95		0.5	43.8		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	0.127	J	0.3	ND	U	0.3
	NITROGEN, NITRATE-NITRITE (Method E353.2)	N/A	4	N/A	ND	U	1.5	0.269	J	1.5	ND	U	1.5	ND	U	1.5	ND	U	1.5	ND	U	1.5	ND	U	1.5	0.806	J	1.5
	SULFATE	600	N/A	250	17.3		2.5	28.4		2.5	28.3		2	35.4		2	30.6		2	30		2	30.5		2	63.2		2
	SULFIDE, TOTAL (Method 4500S2CF)	N/A	N/A	N/A	1.1	J	3.45	ND	U	3.45	0.741	J	3.7	ND	U	3.57	ND	U	3.39	ND	U	3.64	ND	U	3.45	ND	U	3.39
Alkalinity (mg/L) Method SM2320B	ALKALINITY, BICARBONATE (AS CACO3)	N/A	N/A	N/A	213		1	111		1	115		1	124		1	114		1	139		1	127		1	100		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	18.5			18.64			19.67			18.19			18.24			18.29			N/A			18.95		
	pH (S.U.)	N/A	N/A	N/A	7.32			7.9			7.79			7.89			7.87			7.82			N/A			7.66		
	Spec Cond (µS/cm2)	N/A	N/A	N/A	415.7			276.8			313.3			353.1			323.6			339.3			N/A			466.9		
	DO (mg/L)	N/A	N/A	N/A	NM			8.79			4.27			0.59			0.05			1.09			N/A			2.57		
	ORP (mV)	N/A	N/A	N/A	-288			205			186			-98			-233			-168			N/A			20		
	Turbidity (NTU)	N/A	N/A	N/A	2.13			0.86			1.67			0.49			0.72			0.45			N/A			5.74		
	Alkalinity (mg/L as CaCO3)	N/A	N/A	N/A	226			108			NR			122			132			109			N/A			96		

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

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Table 5-1
Groundwater Analytical Results
April - June 2012

			LOCATION CODE		KAFB-10621			KAFB-10622			KAFB-10623			KAFB-10624			KAFB-10625			KAFB-10626			KAFB-10627			KAFB-10628		
			SAMPLE NO		GW0525			GW0526			GW0616			GW0527			GW0528			GW0529			GW0547			GW0570		
			SAMPLE DATE		1-May-12			30-Apr-12			2-May-12			12-Apr-12			19-Apr-12			9-Apr-12			12-Apr-12			9-May-12		
			SAMPLE PURPOSE		REG			REG			REG			REG			REG			REG			REG			REG		
			SAMPLE DEPTH		458-483 FT			462-487 FT			473-498 FT			481-506 FT			465-490 FT			466-486 FT			481-501 FT			486-511 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)	DIESEL RANGE ORGANICS	N/A	N/A	N/A	ND	U	377	ND	U	392	ND	U	377	ND	U	94.3	ND	U	96.2	ND	U	98	ND	U	94.3	45400		7690
Method 8015B	GASOLINE RANGE ORGANICS	N/A	N/A	N/A	73.8	J	150	ND	U	150	ND	U	150	ND	U	150	ND	U	150	ND	U	150	ND	U	150	1700		150
VOCs (µg/L)	1,1,1,2-TETRACHLOROETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25
Method 8260B	1,1,1-TRICHLOROETHANE	60	N/A	60	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25
	1,1,2,2-TETRACHLOROETHANE	10	N/A	10	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25
	1,1,2-TRICHLOROETHANE	100	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25
	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	25
	1,1-DICHLOROETHENE	5	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25
	1,1-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25
	1,2,3-TRICHLOROBENZENE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	2	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	50
	1,2,3-TRICHLOROPROPANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	50
	1,2,4-TRICHLOROBENZENE	N/A	N/A	70	ND	U	2	ND	U	2	ND	U	2	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	50
	1,2,4-TRIMETHYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	97.8		25
	1,2-DIBROMO-3-CHLOROPROPANE	N/A	N/A	0.2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	50
	1,2-DIBROMOETHANE (Method 8011)	0.1	N/A	0.05	**0.0842**		0.0282	**0.548**		0.0283	ND	U	0.0283	ND	U	0.0281	0.0471	J	0.0288	ND	U	0.0284	ND	U	0.0285	**43.9**		2.83
	1,2-DIBROMOETHANE	0.1	N/A	0.05	ND	U	1	**0.61**	J	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	**83.5**		25
	1,2-DICHLOROBENZENE	N/A	N/A	600	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25
	1,2-DICHLOROETHANE	10	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25
	1,2-DICHLOROPROPANE	N/A	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25
	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	33		25
	1,3-DICHLOROBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25
	1,3-DICHLOROPROPANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25
	1,4-DICHLOROBENZENE	N/A	N/A	75	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25
	2,2-DICHLOROPROPANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25
	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	606		250
	2-CHLOROTOLUENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25
	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	242		125
	4-CHLOROTOLUENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25
	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	154		125
	ACETONE	N/A	N/A	N/A	ND	U	10	ND	U	10	ND	U	10	ND	U	10	ND	U	10	5.91	J	10	ND	U	10	2030		250
	BENZENE	10	N/A	5	0.53	J	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	**2660**		25
	BROMOBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25
	BROMOCHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25
	BROMODICHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25
	BROMOFORM	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25
	BROMOMETHANE	N/A	N/A	N/A	ND	UJ	2	ND	U	2	ND	UJ	2	ND	UJ	2	ND	U	2	ND	UJ	2	ND	UJ	2	ND	U	50
	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	25
	CARBON TETRACHLORIDE	10	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25
	CHLOROBENZENE	N/A	N/A	100	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25
	CHLOROETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	50
	CHLOROFORM	100	N/A	100	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25
	CHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	UJ	1	ND	UJ	1	ND	U	1	ND	U	1	ND	UJ	1	ND	U	25
	CIS-1,2-DICHLOROETHENE	N/A	N/A	70	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25
	CIS-1,3-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25
	DIBROMOCHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25
	DIBROMOMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25
	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	0.96	J	2	ND	U	50
	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	447		25
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	2	ND	UJ	2	ND	U	2	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	50
	ISOPROPYLBENZENE	N/A	N/A	N/A	1.95		1	1.31		1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	43		25
	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	25
	METHYLENE CHLORIDE	100	N/A	5	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	50
	NAPHTHALENE	N/A	N/A	30	ND	U	2	ND	U	2	ND	U	2	ND	U	1	ND	U	1	ND	U	1	ND	U	1	**35.2**	J	50
	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	25
	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	39.8		25
	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	25
	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	6.5	J	25
	STYRENE	N/A	N/A	100	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25
	TERT-BUTYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25
	TETRACHLOROETHENE	N/A	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25
	TOLUENE	750	N/A	750	ND	U	1	ND	U	1	ND	U	1	ND	U	1	0.46	J	1	0.49	J	1	ND	U	1	**3460**		25
	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	25
	TRANS-1,3-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25
	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	25
	TRICHLOROFLUOROMETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	50
	VINYL CHLORIDE	1	N/A	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	25
	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	**971**		75

Table 5-1
Groundwater Analytical Results
April - June 2012

			LOCATION CODE		KAFB-10621			KAFB-10622			KAFB-10623			KAFB-10624			KAFB-10625			KAFB-10626			KAFB-10627			KAFB-10628		
			SAMPLE NO		GW0525			GW0526			GW0616			GW0527			GW0528			GW0529			GW0547			GW0570		
			SAMPLE DATE		1-May-12			30-Apr-12			2-May-12			12-Apr-12			19-Apr-12			9-Apr-12			12-Apr-12			9-May-12		
			SAMPLE PURPOSE		REG			REG			REG			REG			REG			REG			REG			REG		
			SAMPLE DEPTH		458-483 FT			462-487 FT			473-498 FT			481-506 FT			465-490 FT			466-486 FT			481-501 FT			486-511 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	4.95	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	236
	1,2-DIPHENYLHYDRAZINE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	236
	1-METHYL NAPHTHALENE	N/A	N/A	30	ND	U	4.95	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	236
	2,4,5-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.95	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	236
	2,4,6-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.95	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	236
	2,4-DICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.95	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	236
	2,4-DIMETHYLPHENOL	N/A	N/A	N/A	ND	U	19.8	ND	U	19.2	ND	U	19.2	ND	U	18.9	ND	U	19.2	ND	U	19.2	ND	U	19.6	ND	U	943
	2,4-DINITROPHENOL	N/A	N/A	N/A	ND	U	49.5	ND	U	48.1	ND	U	48.1	ND	U	47.2	ND	U	48.1	ND	U	48.1	ND	U	49	ND	U	2360
	2,4-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	236
	2,6-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	236
	2-CHLORONAPHTHALENE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	236
	2-CHLOROPHENOL	N/A	N/A	N/A	ND	U	4.95	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	236
	2-METHYLNAPHTHALENE	N/A	N/A	30	ND	U	4.95	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	236
	2-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.95	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	236
	2-NITROANILINE	N/A	N/A	N/A	ND	U	19.8	ND	U	19.2	ND	U	19.2	ND	U	18.9	ND	U	19.2	ND	U	19.2	ND	U	19.6	ND	U	943
	2-NITROPHENOL	N/A	N/A	N/A	ND	U	4.95	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	236
	3,3'-DICHLOROBENZIDINE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	236
	3-METHYLPHENOL AND 4-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.95	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	236
	3-NITROANILINE	N/A	N/A	N/A	ND	U	19.8	ND	U	19.2	ND	U	19.2	ND	U	18.9	ND	U	19.2	ND	U	19.2	ND	U	19.6	ND	U	943
	4,6-DINITRO-2-METHYLPHENOL	N/A	N/A	N/A	ND	U	19.8	ND	U	19.2	ND	U	19.2	ND	U	18.9	ND	U	19.2	ND	U	19.2	ND	U	19.6	ND	U	943
	4-BROMOPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.95	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	236
	4-CHLORO-3-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.95	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	236
	4-CHLOROANILINE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	236
	4-CHLOROPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.95	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	236
	4-NITROANILINE	N/A	N/A	N/A	ND	U	19.8	ND	U	19.2	ND	U	19.2	ND	U	18.9	ND	U	19.2	ND	U	19.2	ND	U	19.6	ND	U	943
	4-NITROPHENOL	N/A	N/A	N/A	ND	U	19.8	ND	U	19.2	ND	U	19.2	ND	U	18.9	ND	U	19.2	ND	U	19.2	ND	U	19.6	ND	U	943
	ACENAPHTHENE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	236
	ACENAPHTHYLENE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	236
	ACETOPHENONE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	4520	J+	236
	ANTHRACENE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	236
	ATRAZINE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	236
	BENZALDEHYDE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	236
	BENZIDINE	N/A	N/A	N/A	ND	U	49.5	ND	U	48.1	ND	U	48.1	ND	U	47.2	ND	U	48.1	ND	U	48.1	ND	U	49	ND	U	2360
	BENZO(A)ANTHRACENE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	236
	BENZO(A)PYRENE	0.7	N/A	0.2	ND	U	4.95	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	236
	BENZO(B)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	236
	BENZO(GHI)PERYLENE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	236
	BENZO(K)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	236
	BENZOIC ACID	N/A	N/A	N/A	ND	U	49.5	ND	U	48.1	ND	U	48.1	ND	U	47.2	ND	U	48.1	ND	U	48.1	ND	U	49	ND	U	2360
	BIS(2-CHLOROETHOXY)METHANE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	236
	BIS(2-CHLOROETHYL)ETHER	N/A	N/A	N/A	ND	U	4.95	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	236
	BIS(2-CHLOROISOPROPYL)ETHER	N/A	N/A	N/A	ND	U	4.95	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	236
	BIS(2-ETHYLHEXYL)PHTHALATE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	236
	BUTYL BENZYL PHTHALATE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	236
	CAPROLACTAM	N/A	N/A	N/A	ND	UJ	4.95	ND	U	4.81	ND	UJ	4.81	3.75	J-	4.72	ND	UJ	4.81	ND	U	4.81	3.81	J-	4.9	ND	UJ	236
	CARBAZOLE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	236
	CHRYSENE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	236
	DIBENZO(A,H)ANTHRACENE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	236
	DIBENZOFURAN	N/A	N/A	N/A	ND	U	4.95	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	236
	DIETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	236
	DIMETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	236
	DI-N-BUTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	236
	DI-N-OCTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	236
	FLUORANTHENE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	236
	FLUORENE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	236
	HEXACHLOROBENZENE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	236
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	236
	HEXACHLOROCYCLOPENTADIENE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	236
	HEXACHLOROETHANE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	236
	INDENO(1,2,3-CD)PYRENE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	236
	ISOPHORONE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	236
	NAPHTHALENE	N/A	N/A	30	ND	U	4.95	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	236
	NITROBENZENE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	236
	N-NITROSO-DI-N-PROPYLAMINE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	236
	N-NITROSODIPHENYLAMINE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	236
	PENTACHLOROPHENOL	N/A	N/A	N/A	ND	U	19.8	ND	U	19.2	ND	U	19.2	ND	U	18.9	ND	U	19.2	ND	U	19.2	ND	U	19.6	ND	U	943
	PHENANTHRENE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	236
	PHENOL	N/A	N/A	5	ND	U	4.95	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	236
	PYRENE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9	ND	U	236

Table 5-1
Groundwater Analytical Results
April - June 2012

			LOCATION CODE		KAFB-10621			KAFB-10622			KAFB-10623			KAFB-10624			KAFB-10625			KAFB-10626			KAFB-10627			KAFB-10628		
			SAMPLE NO		GW0525			GW0526			GW0616			GW0527			GW0528			GW0529			GW0547			GW0570		
			SAMPLE DATE		1-May-12			30-Apr-12			2-May-12			12-Apr-12			19-Apr-12			9-Apr-12			12-Apr-12			9-May-12		
			SAMPLE PURPOSE		REG			REG			REG			REG			REG			REG			REG			REG		
			SAMPLE DEPTH		458-483 FT			462-487 FT			473-498 FT			481-506 FT			465-490 FT			466-486 FT			481-501 FT			486-511 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	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	74.8		5	44.2		5	35.6		5	95.4		5	40.9		5	83.8		5	42.2		5	93.5		5
	IRON, DISSOLVED	1	N/A	0.3	0.0546	J	0.1	ND	U	0.1	ND	U	0.1	0.0308	J	0.1	ND	U	0.1	ND	U	0.1	ND	U	0.1	**2.06**		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	10.3		5	5.97		5	4.4	J	5	25		5	5.43		5	10.7		5	5.99		5	13.3		5
	MANGANESE, DISSOLVED	0.2	N/A	0.05	**0.22**		0.015	**0.0866**		0.015	ND	U	0.015	**0.306**		0.015	ND	U	0.015	ND	U	0.015	ND	U	0.015	**2.1**		0.015
	POTASSIUM	N/A	N/A	N/A	3.25	J	5	2.19	J	5	2.14	J	5	4.07	J	5	2.37	J	5	3.33	J	5	2.31	J	5	3.37	J	5
	SODIUM	N/A	N/A	N/A	32.1		5	24		5	26.2		5	44.8		5	22.9		5	31		5	24		5	35.2		5
Anions (mg/L) Method E300.0	CHLORIDE	250	N/A	250	88.2		0.5	14.5		0.5	9.76		0.5	58		0.5	10.5		0.5	87.4		0.5	7.4		0.5	57.6		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	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	1.42	J	1.5	ND	U	1.5	ND	U	1.5	ND	U	1.5	ND	U	1.5	4.61	N/A	1.5	ND	U	1.5	ND	U	1.5
	SULFATE	600	N/A	250	66.8		2	40.1		2	29.3		2	71		2	41.8		2	83.6		2	27.6		2	23.2		2.5
	SULFIDE, TOTAL (Method 4500S2CF)	N/A	N/A	N/A	ND	U	3.45	ND	U	3.45	ND	U	3.45	ND	U	3.39	ND	U	3.7	ND	U	3.45	ND	U	3.39	0.97	J	3.45
Alkalinity (mg/L) Method SM2320B	ALKALINITY, BICARBONATE (AS CACO3)	N/A	N/A	N/A	96.2		1	124		1	106		1	240		1	106		1	83.2		1	118		1	237		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	19.2			18.9			19.04			20.46			18.64			19.21			18.86			18.24		
	pH (S.U.)	N/A	N/A	N/A	7.54			7.87			7.91			7.07			7.9			7.74			7.7			7.37		
	Spec Cond (µS/cm2)	N/A	N/A	N/A	603.3			306.5			260			778.8			262.6			618.9			329			659.3		
	DO (mg/L)	N/A	N/A	N/A	1.13			0.38			8.93			0.69			8.48			8.01			6.17			NM		
	ORP (mV)	N/A	N/A	N/A	-81			40			214			142			230			151			110			-242		
	Turbidity (NTU)	N/A	N/A	N/A	2.75			0.61			0.96			1.23			0.44			0.36			1.59			4.17		
	Alkalinity (mg/L as CaCO3)	N/A	N/A	N/A	92			124			128			186			118			86			108			244		

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

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Table 5-1
Groundwater Analytical Results
April - June 2012

			LOCATION CODE		KAFB-106029			KAFB-106030			KAFB-106031			KAFB-106032			KAFB-106033			KAFB-106033			KAFB-106034			KAFB-106035		
			SAMPLE NO		GW0530			GW0531			GW0532			GW0533			GW0534			GW0535			GW0536			GW0537		
			SAMPLE DATE		27-Apr-12			27-Apr-12			27-Apr-12			16-Apr-12			18-Apr-12			18-Apr-12			16-Apr-12			2-May-12		
			SAMPLE PURPOSE		REG			REG			REG			REG			REG			FD			REG			REG		
			SAMPLE DEPTH		450-470 FT			470-485 FT			495-510 FT			456-476 FT			477-492 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)	DIESEL RANGE ORGANICS	N/A	N/A	N/A	ND	U	377	ND	U	374	ND	U	377	ND	U	98	ND	U	96.2	ND	U	94.3	ND	U	96.2	ND	U	377
Method 8015B	GASOLINE RANGE ORGANICS	N/A	N/A	N/A	ND	U	150	ND	U	150	ND	U	150	ND	U	150	ND	U	150	ND	U	150	ND	U	150	ND	U	150
VOCs (µg/L)	1,1,1,2-TETRACHLOROETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
Method 8260B	1,1,1-TRICHLOROETHANE	60	N/A	60	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	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	2	ND	U	2	ND	U	2	ND	U	1	ND	U	1	ND	U	1	ND	U	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	2	ND	U	2	ND	U	2
	1,2,4-TRICHLOROBENZENE	N/A	N/A	70	ND	U	2	ND	U	2	ND	U	2	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2
	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 (Method 8011)	0.1	N/A	0.05	ND	U	0.0284	ND	U	0.0282	ND	U	0.0287	ND	U	0.0294	ND	U	0.0287	ND	U	0.0287	ND	U	0.029	**0.59**		0.0283
	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	**0.64**	J	1
	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	3.51	J	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	UJ	2	ND	UJ	2	ND	UJ	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	UJ	2
	CARBON DISULFIDE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	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	UJ	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	UJ	1
	CIS-1,2-DICHLOROETHENE	N/A	N/A	70	ND	U	1	ND	U	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	2	ND	U	2	ND	U	2	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2
	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	2	ND	U	2	ND	U	2	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2
	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	0.46	J	1	0.48	J	1	0.39	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	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
April - June 2012

			LOCATION CODE		KAFB-106029			KAFB-106030			KAFB-106031			KAFB-106032			KAFB-106033			KAFB-106033			KAFB-106034			KAFB-106035		
			SAMPLE NO		GW0530			GW0531			GW0532			GW0533			GW0534			GW0535			GW0536			GW0537		
			SAMPLE DATE		27-Apr-12			27-Apr-12			27-Apr-12			16-Apr-12			18-Apr-12			18-Apr-12			16-Apr-12			2-May-12		
			SAMPLE PURPOSE		REG			REG			REG			REG			REG			FD			REG			REG		
			SAMPLE DEPTH		450-470 FT			470-485 FT			495-510 FT			456-476 FT			477-492 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	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.85	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9
	1,2-DIPHENYLHYDRAZINE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.85	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9
	1-METHYL NAPHTHALENE	N/A	N/A	30	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.85	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9
	2,4,5-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.85	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9
	2,4,6-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.85	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9
	2,4-DICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.85	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9
	2,4-DIMETHYLPHENOL	N/A	N/A	N/A	ND	U	18.9	ND	U	18.9	ND	U	18.9	ND	U	19.4	ND	U	18.9	ND	U	19.2	ND	U	19.2	ND	U	19.6
	2,4-DINITROPHENOL	N/A	N/A	N/A	ND	U	47.2	ND	U	47.2	ND	U	47.2	ND	U	48.5	ND	U	47.2	ND	U	48.1	ND	U	48.1	ND	U	49
	2,4-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.85	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9
	2,6-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.85	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9
	2-CHLORONAPHTHALENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.85	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9
	2-CHLOROPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.85	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9
	2-METHYLNAPHTHALENE	N/A	N/A	30	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.85	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9
	2-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.85	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9
	2-NITROANILINE	N/A	N/A	N/A	ND	U	18.9	ND	U	18.9	ND	U	18.9	ND	U	19.4	ND	U	18.9	ND	U	19.2	ND	U	19.2	ND	U	19.6
	2-NITROPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.85	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9
	3,3'-DICHLOROBENZIDINE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.85	ND	U	4.72	ND	U	4.81	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	4.72	ND	U	4.72	ND	U	4.85	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9
	3-NITROANILINE	N/A	N/A	N/A	ND	U	18.9	ND	U	18.9	ND	U	18.9	ND	U	19.4	ND	U	18.9	ND	U	19.2	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	18.9	ND	U	18.9	ND	U	19.4	ND	U	18.9	ND	U	19.2	ND	U	19.2	ND	U	19.6
	4-BROMOPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.85	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9
	4-CHLORO-3-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.85	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9
	4-CHLOROANILINE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.85	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9
	4-CHLOROPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.85	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9
	4-NITROANILINE	N/A	N/A	N/A	ND	U	18.9	ND	U	18.9	ND	U	18.9	ND	U	19.4	ND	U	18.9	ND	U	19.2	ND	U	19.2	ND	U	19.6
	4-NITROPHENOL	N/A	N/A	N/A	ND	U	18.9	ND	U	18.9	ND	U	18.9	ND	U	19.4	ND	U	18.9	ND	U	19.2	ND	U	19.2	ND	U	19.6
	ACENAPHTHENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.85	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9
	ACENAPHTHYLENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.85	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9
	ACETOPHENONE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.85	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9
	ANTHRACENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.85	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9
	ATRAZINE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.85	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9
	BENZALDEHYDE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.85	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9
	BENZIDINE	N/A	N/A	N/A	ND	U	47.2	ND	U	47.2	ND	U	47.2	ND	U	48.5	ND	U	47.2	ND	U	48.1	ND	U	48.1	ND	U	49
	BENZO(A)ANTHRACENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.85	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9
	BENZO(A)PYRENE	0.7	N/A	0.2	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.85	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9
	BENZO(B)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.85	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9
	BENZO(GHI)PERYLENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.85	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9
	BENZO(K)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.85	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9
	BENZOIC ACID	N/A	N/A	N/A	ND	U	47.2	ND	U	47.2	ND	U	47.2	ND	U	48.5	ND	U	47.2	ND	U	48.1	ND	U	48.1	ND	U	49
	BIS(2-CHLOROETHOXY)METHANE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.85	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9
	BIS(2-CHLOROETHYL)ETHER	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.85	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9
	BIS(2-CHLOROISOPROPYL)ETHER	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.85	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9
	BIS(2-ETHYLHEXYL)PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.85	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9
	BUTYL BENZYL PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.85	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9
	CAPROLACTAM	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.85	ND	UJ	4.72	ND	UJ	4.81	ND	U	4.81	ND	UJ	4.9
	CARBAZOLE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.85	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9
	CHRYSENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.85	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9
	DIBENZO(A,H)ANTHRACENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.85	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9
	DIBENZOFURAN	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.85	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9
	DIETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.85	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9
	DIMETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.85	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9
	DI-N-BUTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.85	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9
	DI-N-OCTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.85	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9
	FLUORANTHENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.85	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9
	FLUORENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.85	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9
	HEXACHLOROBENZENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.85	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.85	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9
	HEXACHLOROCYCLOPENTADIENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.85	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9
	HEXACHLOROETHANE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.85	ND	U	4.72	ND	U	4.81	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	4.72	ND	U	4.72	ND	U	4.85	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9
	ISOPHORONE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.85	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9
	NAPHTHALENE	N/A	N/A	30	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.85	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9
	NITROBENZENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.85	ND	U	4.72	ND	U	4.81	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	4.72	ND	U	4.72	ND	U	4.85	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9
	N-NITROSODIPHENYLAMINE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.85	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9
	PENTACHLOROPHENOL	N/A	N/A	N/A	ND	U	18.9	ND	U	18.9	ND	U	18.9	ND	U	19.4	ND	U	18.9	ND	U	19.2	ND	U	19.2	ND	U	19.6
	PHENANTHRENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.85	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9
	PHENOL	N/A	N/A	5	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.85	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9
	PYRENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.85	ND	U	4.72	ND	U	4.81	ND	U	4.81	ND	U	4.9

Table 5-1
Groundwater Analytical Results
April - June 2012

			LOCATION CODE		KAFB-106029			KAFB-106030			KAFB-106031			KAFB-106032			KAFB-106033			KAFB-106033			KAFB-106034			KAFB-106035		
			SAMPLE NO		GW0530			GW0531			GW0532			GW0533			GW0534			GW0535			GW0536			GW0537		
			SAMPLE DATE		27-Apr-12			27-Apr-12			27-Apr-12			16-Apr-12			18-Apr-12			18-Apr-12			16-Apr-12			2-May-12		
			SAMPLE PURPOSE		REG			REG			REG			REG			REG			FD			REG			REG		
			SAMPLE DEPTH		450-470 FT			470-485 FT			495-510 FT			456-476 FT			477-492 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	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	82.9		5	70		5	55.9		5	51		5	90.7		5	84.4		5	91		5	58.3		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	11.4		5	9.65		5	7.83		5	7.28		5	13.1		5	12.7		5	13.1		5	7.81		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	3.06	J	5	2.86	J	5	2.6	J	5	2.56	J	5	3.31	J	5	3.18	J	5	3.42	J	5	2.39	J	5
	SODIUM	N/A	N/A	N/A	31		5	27.9		5	25		5	23.2		5	31.5		5	31.2		5	30.7		5	29.3		5
Anions (mg/L) Method E300.0	CHLORIDE	250	N/A	250	98.3		0.5	78.7		0.5	49.3		0.5	27.3		0.5	75		0.5	75.1		0.5	83.9		0.5	40.7		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	2.75		1.5	2.34		1.5	1.63		1.5	0.526	J	1.5	2.54		1.5	2.58		1.5	2.72		1.5	0.62	J	1.5
	SULFATE	600	N/A	250	92.6		2	76.4		2	59.4		2	57.4		2	118		2	118		2	118		2	65.3		2
	SULFIDE, TOTAL (Method 4500S2CF)	N/A	N/A	N/A	ND	U	3.7	ND	U	3.7	ND	U	3.7	0.83	J	3.45	0.741	J	3.7	0.741	J	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	77.1		1	83.2		1	93		1	93		1	93.4		1	88.5		1	86.1		1	112		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	19.63			20.65			19.89			18.63			19.15			N/A			18.55			19.41		
	pH (S.U.)	N/A	N/A	N/A	7.7			7.74			7.72			7.8			7.73			N/A			7.64			7.78		
	Spec Cond (µS/cm2)	N/A	N/A	N/A	669.8			579			458.2			390.2			563.3			N/A			692.8			471.5		
	DO (mg/L)	N/A	N/A	N/A	8.21			NM			NM			9.23			10.34			N/A			NM			8.36		
	ORP (mV)	N/A	N/A	N/A	153			126			165			122			220			N/A			158			117		
	Turbidity (NTU)	N/A	N/A	N/A	1.04			0.43			1.18			0.32			0.37			N/A			0.36			0.91		
	Alkalinity (mg/L as CaCO3)	N/A	N/A	N/A	NR			70			80			120			105			N/A			93			NR		

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

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Table 5-1
Groundwater Analytical Results
April - June 2012

			LOCATION CODE		KAFB-106036			KAFB-106037			KAFB-106038			KAFB-106039			KAFB-106040			KAFB-106042			KAFB-106042			KAFB-106043		
			SAMPLE NO		GW0538			GW0539			GW0540			GW0541			GW0542			GW0544			GW0545			GW0546		
			SAMPLE DATE		2-May-12			2-May-12			23-Apr-12			23-Apr-12			23-Apr-12			10-Apr-12			10-Apr-12			10-Apr-12		
			SAMPLE PURPOSE		REG			REG			REG			REG			REG			REG			FD			REG		
			SAMPLE DEPTH		482-497 FT			507-522 FT			478-508 FT			508-523 FT			531-546 FT			469-484 FT			469-484 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)	DIESEL RANGE ORGANICS	N/A	N/A	N/A	ND	U	385	ND	U	374	ND	U	100	ND	U	98	ND	U	98	167		100	198		100	ND	U	99
Method 8015B	GASOLINE RANGE ORGANICS	N/A	N/A	N/A	ND	U	150	ND	U	150	ND	U	150	ND	U	150	ND	U	150	123	J	150	105	J	150	ND	U	150
VOCs (µg/L)	1,1,1,2-TETRACHLOROETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
Method 8260B	1,1,1-TRICHLOROETHANE	60	N/A	60	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	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	2	ND	U	2	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	2	ND	U	2	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 (Method 8011)	0.1	N/A	0.05	**0.426**		0.0277	**0.179**		0.028	ND	U	0.0284	ND	U	0.0282	ND	U	0.0282	**0.531**		0.0286	**0.571**		0.0286	ND	U	0.0283
	1,2-DIBROMOETHANE	0.1	N/A	0.05	**0.45**	J	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	**0.53**	J	1	**0.54**	J	1	ND	U	1
	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	0.6	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	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	3.74	J	10	4.13	J	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	UJ	2	ND	UJ	2	ND	U	2	ND	U	2	ND	U	2	ND	UJ	2	ND	UJ	2	ND	UJ	2
	CARBON DISULFIDE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	0.32	J	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	0.28	J	1
	CHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	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	2	ND	U	2	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	2	ND	U	2	ND	U	1	ND	U	1	ND	U	1	1.03		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
April - June 2012

			LOCATION CODE		KAFB-106036			KAFB-106037			KAFB-106038			KAFB-106039			KAFB-106040			KAFB-106042			KAFB-106042			KAFB-106043		
			SAMPLE NO		GW0538			GW0539			GW0540			GW0541			GW0542			GW0544			GW0545			GW0546		
			SAMPLE DATE		2-May-12			2-May-12			23-Apr-12			23-Apr-12			23-Apr-12			10-Apr-12			10-Apr-12			10-Apr-12		
			SAMPLE PURPOSE		REG			REG			REG			REG			REG			REG			FD			REG		
			SAMPLE DEPTH		482-497 FT			507-522 FT			478-508 FT			508-523 FT			531-546 FT			469-484 FT			469-484 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	4.95	ND	U	4.85	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	5.26	ND	U	5	ND	U	5
	1,2-DIPHENYLHYDRAZINE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.85	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	5.26	ND	U	5	ND	U	5
	1-METHYL NAPHTHALENE	N/A	N/A	30	ND	U	4.95	ND	U	4.85	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	5.26	ND	U	5	ND	U	5
	2,4,5-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.95	ND	U	4.85	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	5.26	ND	U	5	ND	U	5
	2,4,6-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.95	ND	U	4.85	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	5.26	ND	U	5	ND	U	5
	2,4-DICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.95	ND	U	4.85	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	5.26	ND	U	5	ND	U	5
	2,4-DIMETHYLPHENOL	N/A	N/A	N/A	ND	U	19.8	ND	U	19.4	ND	U	19.2	ND	U	18.9	ND	U	19.2	ND	U	21.1	ND	U	20	ND	U	20
	2,4-DINITROPHENOL	N/A	N/A	N/A	ND	U	49.5	ND	U	48.5	ND	U	48.1	ND	U	47.2	ND	U	48.1	ND	U	52.6	ND	U	50	ND	U	50
	2,4-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.85	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	5.26	ND	U	5	ND	U	5
	2,6-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.85	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	5.26	ND	U	5	ND	U	5
	2-CHLORONAPHTHALENE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.85	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	5.26	ND	U	5	ND	U	5
	2-CHLOROPHENOL	N/A	N/A	N/A	ND	U	4.95	ND	U	4.85	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	5.26	ND	U	5	ND	U	5
	2-METHYLNAPHTHALENE	N/A	N/A	30	ND	U	4.95	ND	U	4.85	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	5.26	ND	U	5	ND	U	5
	2-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.95	ND	U	4.85	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	5.26	ND	U	5	ND	U	5
	2-NITROANILINE	N/A	N/A	N/A	ND	U	19.8	ND	U	19.4	ND	U	19.2	ND	U	18.9	ND	U	19.2	ND	U	21.1	ND	U	20	ND	U	20
	2-NITROPHENOL	N/A	N/A	N/A	ND	U	4.95	ND	U	4.85	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	5.26	ND	U	5	ND	U	5
	3,3'-DICHLOROBENZIDINE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.85	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	5.26	ND	U	5	ND	U	5
	3-METHYLPHENOL AND 4-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.95	ND	U	4.85	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	5.26	ND	U	5	ND	U	5
	3-NITROANILINE	N/A	N/A	N/A	ND	U	19.8	ND	U	19.4	ND	U	19.2	ND	U	18.9	ND	U	19.2	ND	U	21.1	ND	U	20	ND	U	20
	4,6-DINITRO-2-METHYLPHENOL	N/A	N/A	N/A	ND	U	19.8	ND	U	19.4	ND	U	19.2	ND	U	18.9	ND	U	19.2	ND	U	21.1	ND	U	20	ND	U	20
	4-BROMOPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.95	ND	U	4.85	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	5.26	ND	U	5	ND	U	5
	4-CHLORO-3-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.95	ND	U	4.85	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	5.26	ND	U	5	ND	U	5
	4-CHLOROANILINE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.85	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	5.26	ND	U	5	ND	U	5
	4-CHLOROPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.95	ND	U	4.85	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	5.26	ND	U	5	ND	U	5
	4-NITROANILINE	N/A	N/A	N/A	ND	U	19.8	ND	U	19.4	ND	U	19.2	ND	U	18.9	ND	U	19.2	ND	U	21.1	ND	U	20	ND	U	20
	4-NITROPHENOL	N/A	N/A	N/A	ND	U	19.8	ND	U	19.4	ND	U	19.2	ND	U	18.9	ND	U	19.2	ND	U	21.1	ND	U	20	ND	U	20
	ACENAPHTHENE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.85	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	5.26	ND	U	5	ND	U	5
	ACENAPHTHYLENE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.85	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	5.26	ND	U	5	ND	U	5
	ACETOPHENONE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.85	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	5.26	ND	U	5	ND	U	5
	ANTHRACENE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.85	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	5.26	ND	U	5	ND	U	5
	ATRAZINE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.85	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	5.26	ND	U	5	ND	U	5
	BENZALDEHYDE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.85	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	5.26	ND	U	5	ND	U	5
	BENZIDINE	N/A	N/A	N/A	ND	U	49.5	ND	U	48.5	ND	U	48.1	ND	U	47.2	ND	U	48.1	ND	U	52.6	ND	U	50	ND	U	50
	BENZO(A)ANTHRACENE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.85	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	5.26	ND	U	5	ND	U	5
	BENZO(A)PYRENE	0.7	N/A	0.2	ND	U	4.95	ND	U	4.85	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	5.26	ND	U	5	ND	U	5
	BENZO(B)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.85	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	5.26	ND	U	5	ND	U	5
	BENZO(GHI)PERYLENE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.85	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	5.26	ND	U	5	ND	U	5
	BENZO(K)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.85	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	5.26	ND	U	5	ND	U	5
	BENZOIC ACID	N/A	N/A	N/A	ND	U	49.5	ND	U	48.5	ND	U	48.1	ND	U	47.2	ND	U	48.1	ND	U	52.6	ND	U	50	ND	U	50
	BIS(2-CHLOROETHOXY)METHANE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.85	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	5.26	ND	U	5	ND	U	5
	BIS(2-CHLOROETHYL)ETHER	N/A	N/A	N/A	ND	U	4.95	ND	U	4.85	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	5.26	ND	U	5	ND	U	5
	BIS(2-CHLOROISOPROPYL)ETHER	N/A	N/A	N/A	ND	U	4.95	ND	U	4.85	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	5.26	ND	U	5	ND	U	5
	BIS(2-ETHYLHEXYL)PHTHALATE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.85	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	5.26	ND	U	5	ND	U	5
	BUTYL BENZYL PHTHALATE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.85	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	5.26	ND	U	5	ND	U	5
	CAPROLACTAM	N/A	N/A	N/A	ND	UJ	4.95	ND	UJ	4.85	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	5.26	ND	U	5	ND	U	5
	CARBAZOLE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.85	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	5.26	ND	U	5	ND	U	5
	CHRYSENE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.85	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	5.26	ND	U	5	ND	U	5
	DIBENZO(A,H)ANTHRACENE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.85	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	5.26	ND	U	5	ND	U	5
	DIBENZOFURAN	N/A	N/A	N/A	ND	U	4.95	ND	U	4.85	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	5.26	ND	U	5	ND	U	5
	DIETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.85	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	5.26	ND	U	5	ND	U	5
	DIMETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.85	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	5.26	ND	U	5	ND	U	5
	DI-N-BUTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.85	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	5.26	ND	U	5	ND	U	5
	DI-N-OCTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.85	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	5.26	ND	U	5	ND	U	5
	FLUORANTHENE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.85	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	5.26	ND	U	5	ND	U	5
	FLUORENE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.85	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	5.26	ND	U	5	ND	U	5
	HEXACHLOROBENZENE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.85	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	5.26	ND	U	5	ND	U	5
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.85	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	5.26	ND	U	5	ND	U	5
	HEXACHLOROCYCLOPENTADIENE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.85	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	5.26	ND	U	5	ND	U	5
	HEXACHLOROETHANE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.85	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	5.26	ND	U	5	ND	U	5
	INDENO(1,2,3-CD)PYRENE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.85	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	5.26	ND	U	5	ND	U	5
	ISOPHORONE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.85	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	5.26	ND	U	5	ND	U	5
	NAPHTHALENE	N/A	N/A	30	ND	U	4.95	ND	U	4.85	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	5.26	ND	U	5	ND	U	5
	NITROBENZENE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.85	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	5.26	ND	U	5	ND	U	5
	N-NITROSO-DI-N-PROPYLAMINE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.85	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	5.26	ND	U	5	ND	U	5
	N-NITROSODIPHENYLAMINE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.85	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	5.26	ND	U	5	ND	U	5
	PENTACHLOROPHENOL	N/A	N/A	N/A	ND	U	19.8	ND	U	19.4	ND	U	19.2	ND	U	18.9	ND	U	19.2	ND	U	21.1	ND	U	20	ND	U	20
	PHENANTHRENE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.85	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	5.26	ND	U	5	ND	U	5
	PHENOL	N/A	N/A	5	ND	U	4.95	ND	U	4.85	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	5.26	ND	U	5	ND	U	5
	PYRENE	N/A	N/A	N/A	ND	U	4.95	ND	U	4.85	ND	U	4.81	ND	U	4.72	ND	U	4.81	ND	U	5.26	ND	U	5	ND	U	5

Table 5-1
Groundwater Analytical Results
April - June 2012

				LOCATION CODE	KAFB-106036			KAFB-106037			KAFB-106038			KAFB-106039			KAFB-106040			KAFB-106042			KAFB-106042			KAFB-106043		
				SAMPLE NO	GW0538			GW0539			GW0540			GW0541			GW0542			GW0544			GW0545			GW0546		
				SAMPLE DATE	2-May-12			2-May-12			23-Apr-12			23-Apr-12			23-Apr-12			10-Apr-12			10-Apr-12			10-Apr-12		
				SAMPLE PURPOSE	REG			REG			REG			REG			REG			REG			FD			REG		
				SAMPLE DEPTH	482-497 FT			507-522 FT			478-508 FT			508-523 FT			531-546 FT			469-484 FT			469-484 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	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	65.3		5	47.1		5	39.7		5	34.9		5	36		5	61.6		5	61.3		5	47		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	8.49		5	6.08		5	5.5		5	4.67	J	5	4.86	J	5	7.83		5	7.82		5	6.01		5
	MANGANESE, DISSOLVED	0.2	N/A	0.05	ND	U	0.015	ND	U	0.015	0.00423	J	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	2.81	J	5	2.56	J	5	2.14	J	5	2	J	5	2.11	J	5	3.09	J	5	3.08	J	5	2.52	J	5
	SODIUM	N/A	N/A	N/A	31.1		5	28.1		5	24.6		5	22.3		5	23.6		5	27.3		5	27.6		5	24.2		5
Anions (mg/L) Method E300.0	CHLORIDE	250	N/A	250	46.4		0.5	17.4		0.5	13.7		0.5	8.89		0.5	8.22		0.5	32.1		0.5	32.5		0.5	17		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	0.836	J	1.5	0.259	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	73.4		2	44.9		2	32.2		2	29		2	29		2	49.7		2	50.5		2	47.5		2
	SULFIDE, TOTAL (Method 4500S2CF)	N/A	N/A	N/A	ND	U	3.7	0.891	J	3.7	ND	U	3.7	ND	U	3.39	ND	U	3.39	ND	U	3.45	ND	U	3.39	ND	U	3.45
Alkalinity (mg/L) Method SM2320B	ALKALINITY, BICARBONATE (AS CACO3)	N/A	N/A	N/A	125		1	101		1	108		1	109		1	110		1	134		1	131		1	107		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	19.46			18.89			19.24			19.11			18.57			19.59			N/A			19.1		
	pH (S.U.)	N/A	N/A	N/A	7.72			7.71			7.79			7.77			7.75			7.6			N/A			7.79		
	Spec Cond (µS/cm2)	N/A	N/A	N/A	508.2			342.2			336.1			305.1			301			467.7			N/A			370.7		
	DO (mg/L)	N/A	N/A	N/A	7.78			8.79			9.38			8.15			NM			7.73			N/A			9.45		
	ORP (mV)	N/A	N/A	N/A	121			141			133			138			161			142			N/A			143		
	Turbidity (NTU)	N/A	N/A	N/A	2.86			0.39			0.31			0.45			0.6			0.49			N/A			2.07		
	Alkalinity (mg/L as CaCO3)	N/A	N/A	N/A	116			120			108			116			100			120			N/A			146		

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

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Table 5-1
Groundwater Analytical Results
April - June 2012

				LOCATION CODE	KAFB-106044			KAFB-106045			KAFB-106046			KAFB-106047			KAFB-106048			KAFB-106049			KAFB-106050			KAFB-106051		
				SAMPLE NO	GW0548			GW0549			GW0550			GW0551			GW0552			GW0553			GW0554			GW0555		
				SAMPLE DATE	12-Apr-12			12-Apr-12			19-Apr-12			19-Apr-12			19-Apr-12			30-Apr-12			30-Apr-12			3-May-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)	DIESEL RANGE ORGANICS	N/A	N/A	N/A	ND	U	96.2	ND	U	94.3	ND	U	100	ND	U	96.2	ND	U	98	ND	U	385	ND	U	385	ND	U	374
Method 8015B	GASOLINE RANGE ORGANICS	N/A	N/A	N/A	ND	U	150	ND	U	150	65.5	J	150	ND	U	150	ND	U	150	ND	U	150	ND	U	150	ND	U	150
VOCs (µg/L)	1,1,1,2-TETRACHLOROETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
Method 8260B	1,1,1-TRICHLOROETHANE	60	N/A	60	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	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	2	ND	U	2	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	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	2	ND	U	2	ND	U	2
	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 (Method 8011)	0.1	N/A	0.05	ND	U	0.028	ND	U	0.0278	ND	U	0.0283	ND	U	0.0284	ND	U	0.0297	ND	U	0.0277	ND	U	0.0275	ND	U	0.0283
	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-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	UJ	2	ND	UJ	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	UJ	2
	CARBON DISULFIDE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	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	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	UJ	2	ND	UJ	2	ND	U	2
	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	2	ND	U	2	ND	U	2
	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
April - June 2012

			LOCATION CODE		KAFB-106044			KAFB-106045			KAFB-106046			KAFB-106047			KAFB-106048			KAFB-106049			KAFB-106050			KAFB-106051		
			SAMPLE NO		GW0548			GW0549			GW0550			GW0551			GW0552			GW0553			GW0554			GW0555		
			SAMPLE DATE		12-Apr-12			12-Apr-12			19-Apr-12			19-Apr-12			19-Apr-12			30-Apr-12			30-Apr-12			3-May-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	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72
	1,2-DIPHENYLHYDRAZINE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72
	1-METHYL NAPHTHALENE	N/A	N/A	30	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72
	2,4,5-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72
	2,4,6-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72
	2,4-DICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72
	2,4-DIMETHYLPHENOL	N/A	N/A	N/A	ND	U	19.6	ND	U	19.2	ND	U	19.2	ND	U	19.2	ND	U	18.9	ND	U	18.9	ND	U	18.9	ND	U	18.9
	2,4-DINITROPHENOL	N/A	N/A	N/A	ND	U	49	ND	U	48.1	ND	U	48.1	ND	U	48.1	ND	U	47.2	ND	U	47.2	ND	U	47.2	ND	U	47.2
	2,4-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72
	2,6-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72
	2-CHLORONAPHTHALENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72
	2-CHLOROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72
	2-METHYLNAPHTHALENE	N/A	N/A	30	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72
	2-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72
	2-NITROANILINE	N/A	N/A	N/A	ND	U	19.6	ND	U	19.2	ND	U	19.2	ND	U	19.2	ND	U	18.9	ND	U	18.9	ND	U	18.9	ND	U	18.9
	2-NITROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72
	3,3'-DICHLOROBENZIDINE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72
	3-METHYLPHENOL AND 4-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72
	3-NITROANILINE	N/A	N/A	N/A	ND	U	19.6	ND	U	19.2	ND	U	19.2	ND	U	19.2	ND	U	18.9	ND	U	18.9	ND	U	18.9	ND	U	18.9
	4,6-DINITRO-2-METHYLPHENOL	N/A	N/A	N/A	ND	U	19.6	ND	U	19.2	ND	U	19.2	ND	U	19.2	ND	U	18.9	ND	U	18.9	ND	U	18.9	ND	U	18.9
	4-BROMOPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72
	4-CHLORO-3-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72
	4-CHLOROANILINE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72
	4-CHLOROPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72
	4-NITROANILINE	N/A	N/A	N/A	ND	U	19.6	ND	U	19.2	ND	U	19.2	ND	U	19.2	ND	U	18.9	ND	U	18.9	ND	U	18.9	ND	U	18.9
	4-NITROPHENOL	N/A	N/A	N/A	ND	U	19.6	ND	U	19.2	ND	U	19.2	ND	U	19.2	ND	U	18.9	ND	U	18.9	ND	U	18.9	ND	U	18.9
	ACENAPHTHENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72
	ACENAPHTHYLENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72
	ACETOPHENONE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72
	ANTHRACENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72
	ATRAZINE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72
	BENZALDEHYDE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72
	BENZIDINE	N/A	N/A	N/A	ND	U	49	ND	U	48.1	ND	U	48.1	ND	U	48.1	ND	U	47.2	ND	U	47.2	ND	U	47.2	ND	U	47.2
	BENZO(A)ANTHRACENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72
	BENZO(A)PYRENE	0.7	N/A	0.2	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72
	BENZO(B)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72
	BENZO(GHI)PERYLENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72
	BENZO(K)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72
	BENZOIC ACID	N/A	N/A	N/A	ND	U	49	ND	U	48.1	ND	U	48.1	ND	U	48.1	ND	U	47.2	ND	U	47.2	ND	U	47.2	ND	U	47.2
	BIS(2-CHLOROETHOXY)METHANE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72
	BIS(2-CHLOROETHYL)ETHER	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72
	BIS(2-CHLOROISOPROPYL)ETHER	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72
	BIS(2-ETHYLHEXYL)PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72
	BUTYL BENZYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72
	CAPROLACTAM	N/A	N/A	N/A	ND	UJ	4.9	ND	UJ	4.81	ND	UJ	4.81	ND	UJ	4.81	ND	UJ	4.72	ND	U	4.72	ND	U	4.72	ND	UJ	4.72
	CARBAZOLE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72
	CHRYSENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72
	DIBENZO(A,H)ANTHRACENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72
	DIBENZOFURAN	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72
	DIETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72
	DIMETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72
	DI-N-BUTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72
	DI-N-OCTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72
	FLUORANTHENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72
	FLUORENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72
	HEXACHLOROBENZENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72
	HEXACHLOROCYCLOPENTADIENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72
	HEXACHLOROETHANE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72
	INDENO(1,2,3-CD)PYRENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72
	ISOPHORONE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72
	NAPHTHALENE	N/A	N/A	30	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72
	NITROBENZENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72
	N-NITROSO-DI-N-PROPYLAMINE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72
	N-NITROSODIPHENYLAMINE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72
	PENTACHLOROPHENOL	N/A	N/A	N/A	ND	U	19.6	ND	U	19.2	ND	U	19.2	ND	U	19.2	ND	U	18.9	ND	U	18.9	ND	U	18.9	ND	U	18.9
	PHENANTHRENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72
	PHENOL	N/A	N/A	5	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72
	PYRENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.81	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	4.72	ND	U	4.72	ND	U	4.72

Table 5-1
Groundwater Analytical Results
April - June 2012

				LOCATION CODE	KAFB-106044			KAFB-106045			KAFB-106046			KAFB-106047			KAFB-106048			KAFB-106049			KAFB-106050			KAFB-106051		
				SAMPLE NO	GW0548			GW0549			GW0550			GW0551			GW0552			GW0553			GW0554			GW0555		
				SAMPLE DATE	12-Apr-12			12-Apr-12			19-Apr-12			19-Apr-12			19-Apr-12			30-Apr-12			30-Apr-12			3-May-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	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	32.9		5	30.2		5	44.1		5	39		5	35.7		5	195		5	58.7		5	48.4		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	ND	U	0.003
	MAGNESIUM	N/A	N/A	N/A	4.79	J	5	4.51	J	5	6.33		5	5.16		5	4.87	J	5	26.4		5	8.21		5	6.72		5
	MANGANESE, DISSOLVED	0.2	N/A	0.05	ND	U	0.015	ND	U	0.015	ND	U	0.015	**0.219**		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	2.04	J	5	1.91	J	5	2.2	J	5	2.11	J	5	1.97	J	5	4.24	J	5	2.71	J	5	2.4	J	5
	SODIUM	N/A	N/A	N/A	22.5		5	21.6		5	27.2		5	23.2		5	23		5	37.9		5	26		5	23.7		5
Anions (mg/L) Method E300.0	CHLORIDE	250	N/A	250	6.6		0.5	6.6		0.5	8.73		0.5	7.78		0.5	7.17		0.5	104		0.5	41.5		0.5	28.6		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	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	0.454	J	1.5	ND	U	1.5	ND	U	1.5	3.83		1.5	1.14	J	1.5	0.762	J	1.5
	SULFATE	600	N/A	250	27.6		2	27.5		2	27.9		2	27		2	28		2	**417**		4	74.2		2	55.7		2
	SULFIDE, TOTAL (Method 4500S2CF)	N/A	N/A	N/A	ND	U	3.45	ND	U	3.7	ND	U	3.45	ND	U	3.45	ND	U	3.39	ND	U	3.39	ND	U	3.7	ND	U	3.45
Alkalinity (mg/L) Method SM2320B	ALKALINITY, BICARBONATE (AS CACO3)	N/A	N/A	N/A	97.8		1	103		1	136		1	119		1	108		1	76.3		1	98.3		1	93.4		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	18.84			18.54			19.26			19.58			19.23			19.04			19.5			19.09		
	pH (S.U.)	N/A	N/A	N/A	7.66			7.82			7.72			7.56			7.83			7.59			7.76			7.16		
	Spec Cond (µS/cm2)	N/A	N/A	N/A	285.3			278.7			349.7			305.7			282.3			1181			462.8			381.4		
	DO (mg/L)	N/A	N/A	N/A	6.17			3.65			4.99			4.72			9.14			8.6			NM			6.32		
	ORP (mV)	N/A	N/A	N/A	115			122			129			47			201			166			174			178		
	Turbidity (NTU)	N/A	N/A	N/A	0.97			0.97			0.42			2.42			0.46			1.14			0.35			0.55		
	Alkalinity (mg/L as CaCO3)	N/A	N/A	N/A	96			98			124			NR			100			104			104			108		

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

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Table 5-1
Groundwater Analytical Results
April - June 2012

			LOCATION CODE		KAFB-106051			KAFB-106052			KAFB-106053			KAFB-106054			KAFB-106055			KAFB-106057			KAFB-106058			KAFB-106059		
			SAMPLE NO		GW0556			GW0557			GW0558			GW0559			GW0560			GW0561			GW0562			GW0563		
			SAMPLE DATE		3-May-12			24-Apr-12			24-Apr-12			24-Apr-12			17-Apr-12			2-May-12			17-Apr-12			7-May-12		
			SAMPLE PURPOSE		FD			REG			REG			REG			REG			REG			REG			REG		
			SAMPLE DEPTH		502-516 FT			450-480 FT			479-493 FT			504-519 FT			466-485 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)	DIESEL RANGE ORGANICS	N/A	N/A	N/A	ND	U	377	ND	U	99	ND	U	100	ND	U	97.1	95.6		94.3	ND	U	385	ND	U	96.2	44500		7480
Method 8015B	GASOLINE RANGE ORGANICS	N/A	N/A	N/A	ND	U	150	ND	U	150	ND	U	150	ND	U	150	ND	U	150	ND	U	150	ND	U	150	31900		3750
VOCs (µg/L)	1,1,1,2-TETRACHLOROETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	100
Method 8260B	1,1,1-TRICHLOROETHANE	60	N/A	60	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	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	2	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2	ND	U	1	ND	U	200
	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	2	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2	ND	U	1	ND	U	200
	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	272		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 (Method 8011)	0.1	N/A	0.05	ND	U	0.0284	ND	U	0.0284	ND	U	0.0284	ND	U	0.0279	**1.89**		0.142	**0.189**		0.0283	**0.518**		0.0289	**143**	J-	5.65
	1,2-DIBROMOETHANE	0.1	N/A	0.05	ND	U	1	ND	U	1	ND	U	1	ND	U	1	**2.1**		1	ND	U	1	**0.52**	J	1	**199**		100
	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	0.31	J	1	ND	U	1	82	J	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	305	J	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	423	J	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	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	5	240	J	500
	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	1060	J-	1000
	BENZENE	10	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	0.8	J	1	ND	U	1	ND	U	1	**7150**		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	UJ	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	UJ	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	35	J	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	UJ	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	ND	U	1	ND	U	1	ND	U	1	**861**		100
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	2	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2	ND	U	1	ND	U	200
	ISOPROPYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	0.29	J	1	0.26	J	1	ND	U	1	63	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	2	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2	ND	U	1	**118**	J	200
	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	62	J	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	ND	U	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	ND	U	1	ND	U	1	0.33	J	1	**9490**		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	1.04	J	3	ND	U	3	ND	U	3	**2990**		300

Table 5-1
Groundwater Analytical Results
April - June 2012

			LOCATION CODE		KAFB-106051			KAFB-106052			KAFB-106053			KAFB-106054			KAFB-106055			KAFB-106057			KAFB-106058			KAFB-106059		
			SAMPLE NO		GW0556			GW0557			GW0558			GW0559			GW0560			GW0561			GW0562			GW0563		
			SAMPLE DATE		3-May-12			24-Apr-12			24-Apr-12			24-Apr-12			17-Apr-12			2-May-12			17-Apr-12			7-May-12		
			SAMPLE PURPOSE		FD			REG			REG			REG			REG			REG			REG			REG		
			SAMPLE DEPTH		502-516 FT			450-480 FT			479-493 FT			504-519 FT			466-485 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	4.67	ND	U	4.95	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	5	ND	U	236
	1,2-DIPHENYLHYDRAZINE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.95	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	5	ND	U	236
	1-METHYL NAPHTHALENE	N/A	N/A	30	ND	U	4.67	ND	U	4.95	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	5	ND	U	236
	2,4,5-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.67	ND	U	4.95	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	5	ND	U	236
	2,4,6-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.67	ND	U	4.95	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	5	ND	U	236
	2,4-DICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.67	ND	U	4.95	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	5	ND	U	236
	2,4-DIMETHYLPHENOL	N/A	N/A	N/A	ND	U	18.7	ND	U	19.8	ND	U	19.2	ND	U	19.6	ND	U	19.2	ND	U	20	ND	U	20	ND	U	943
	2,4-DINITROPHENOL	N/A	N/A	N/A	ND	U	46.7	ND	U	49.5	ND	U	48.1	ND	U	49	ND	U	48.1	ND	U	50	ND	U	50	ND	U	2360
	2,4-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.95	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	5	ND	U	236
	2,6-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.95	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	5	ND	U	236
	2-CHLORONAPHTHALENE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.95	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	5	ND	U	236
	2-CHLOROPHENOL	N/A	N/A	N/A	ND	U	4.67	ND	U	4.95	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	5	ND	U	236
	2-METHYLNAPHTHALENE	N/A	N/A	30	ND	U	4.67	ND	U	4.95	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	5	ND	U	236
	2-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.67	ND	U	4.95	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	5	ND	U	236
	2-NITROANILINE	N/A	N/A	N/A	ND	U	18.7	ND	U	19.8	ND	U	19.2	ND	U	19.6	ND	U	19.2	ND	U	20	ND	U	20	ND	U	943
	2-NITROPHENOL	N/A	N/A	N/A	ND	U	4.67	ND	U	4.95	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	5	ND	U	236
	3,3'-DICHLOROBENZIDINE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.95	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	5	ND	U	236
	3-METHYLPHENOL AND 4-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.67	ND	U	4.95	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	5	ND	U	236
	3-NITROANILINE	N/A	N/A	N/A	ND	U	18.7	ND	U	19.8	ND	U	19.2	ND	U	19.6	ND	U	19.2	ND	U	20	ND	U	20	ND	U	943
	4,6-DINITRO-2-METHYLPHENOL	N/A	N/A	N/A	ND	U	18.7	ND	U	19.8	ND	U	19.2	ND	U	19.6	ND	U	19.2	ND	U	20	ND	U	20	ND	U	943
	4-BROMOPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.67	ND	U	4.95	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	5	ND	U	236
	4-CHLORO-3-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.67	ND	U	4.95	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	5	ND	U	236
	4-CHLOROANILINE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.95	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	5	ND	U	236
	4-CHLOROPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.67	ND	U	4.95	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	5	ND	U	236
	4-NITROANILINE	N/A	N/A	N/A	ND	U	18.7	ND	U	19.8	ND	U	19.2	ND	U	19.6	ND	U	19.2	ND	U	20	ND	U	20	ND	U	943
	4-NITROPHENOL	N/A	N/A	N/A	ND	U	18.7	ND	U	19.8	ND	U	19.2	ND	U	19.6	ND	U	19.2	ND	U	20	ND	U	20	ND	U	943
	ACENAPHTHENE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.95	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	5	ND	U	236
	ACENAPHTHYLENE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.95	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	5	ND	U	236
	ACETOPHENONE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.95	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	5	6110		943
	ANTHRACENE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.95	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	5	ND	U	236
	ATRAZINE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.95	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	5	ND	U	236
	BENZALDEHYDE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.95	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	5	ND	U	236
	BENZIDINE	N/A	N/A	N/A	ND	U	46.7	ND	U	49.5	ND	U	48.1	ND	U	49	ND	U	48.1	ND	U	50	ND	U	50	ND	U	2360
	BENZO(A)ANTHRACENE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.95	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	5	ND	U	236
	BENZO(A)PYRENE	0.7	N/A	0.2	ND	U	4.67	ND	U	4.95	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	5	ND	U	236
	BENZO(B)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.95	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	5	ND	U	236
	BENZO(GHI)PERYLENE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.95	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	5	ND	U	236
	BENZO(K)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.95	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	5	ND	U	236
	BENZOIC ACID	N/A	N/A	N/A	ND	U	46.7	ND	U	49.5	ND	U	48.1	ND	U	49	ND	U	48.1	ND	U	50	ND	U	50	ND	U	2360
	BIS(2-CHLOROETHOXY)METHANE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.95	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	5	ND	U	236
	BIS(2-CHLOROETHYL)ETHER	N/A	N/A	N/A	ND	U	4.67	ND	U	4.95	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	5	ND	U	236
	BIS(2-CHLOROISOPROPYL)ETHER	N/A	N/A	N/A	ND	U	4.67	ND	U	4.95	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	5	ND	U	236
	BIS(2-ETHYLHEXYL)PHTHALATE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.95	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	5	ND	U	236
	BUTYL BENZYL PHTHALATE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.95	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	5	ND	U	236
	CAPROLACTAM	N/A	N/A	N/A	ND	UJ	4.67	ND	UJ	4.95	ND	UJ	4.81	ND	U	4.9	ND	U	4.81	ND	UJ	5	ND	U	5	ND	UJ	236
	CARBAZOLE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.95	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	5	ND	U	236
	CHRYSENE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.95	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	5	ND	U	236
	DIBENZO(A,H)ANTHRACENE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.95	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	5	ND	U	236
	DIBENZOFURAN	N/A	N/A	N/A	ND	U	4.67	ND	U	4.95	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	5	ND	U	236
	DIETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.95	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	5	ND	U	236
	DIMETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.95	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	5	ND	U	236
	DI-N-BUTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.95	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	5	ND	U	236
	DI-N-OCTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.95	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	5	ND	U	236
	FLUORANTHENE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.95	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	5	ND	U	236
	FLUORENE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.95	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	5	ND	U	236
	HEXACHLOROBENZENE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.95	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	5	ND	U	236
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.95	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	5	ND	U	236
	HEXACHLOROCYCLOPENTADIENE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.95	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	5	ND	U	236
	HEXACHLOROETHANE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.95	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	5	ND	U	236
	INDENO(1,2,3-CD)PYRENE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.95	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	5	ND	U	236
	ISOPHORONE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.95	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	5	ND	U	236
	NAPHTHALENE	N/A	N/A	30	ND	U	4.67	ND	U	4.95	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	5	**107**	J	236
	NITROBENZENE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.95	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	5	ND	U	236
	N-NITROSO-DI-N-PROPYLAMINE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.95	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	5	ND	U	236
	N-NITROSODIPHENYLAMINE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.95	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	5	ND	U	236
	PENTACHLOROPHENOL	N/A	N/A	N/A	ND	U	18.7	ND	U	19.8	ND	U	19.2	ND	U	19.6	ND	U	19.2	ND	U	20	ND	U	20	ND	U	943
	PHENANTHRENE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.95	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	5	ND	U	236
	PHENOL	N/A	N/A	5	ND	U	4.67	ND	U	4.95	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	5	ND	U	236
	PYRENE	N/A	N/A	N/A	ND	U	4.67	ND	U	4.95	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	5	ND	U	5	ND	U	236

Table 5-1
Groundwater Analytical Results
April - June 2012

			LOCATION CODE		KAFB-106051			KAFB-106052			KAFB-106053			KAFB-106054			KAFB-106055			KAFB-106057			KAFB-106058			KAFB-106059		
			SAMPLE NO		GW0556			GW0557			GW0558			GW0559			GW0560			GW0561			GW0562			GW0563		
			SAMPLE DATE		3-May-12			24-Apr-12			24-Apr-12			24-Apr-12			17-Apr-12			2-May-12			17-Apr-12			7-May-12		
			SAMPLE PURPOSE		FD			REG			REG			REG			REG			REG			REG			REG		
			SAMPLE DEPTH		502-516 FT			450-480 FT			479-493 FT			504-519 FT			466-485 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	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	53.3		5	47.1		5	52.1		5	41.5		5	45.2		5	41.3		5	78.1		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	**2.88**		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	6.86		5	7.46		5	6.64		5	7.15		5	5.6		5	5.81		5	5.27		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	**1.68**		0.015
	POTASSIUM	N/A	N/A	N/A	2.44	J	5	2.78	J	5	2.63	J	5	2.74	J	5	2.23	J	5	2.45	J	5	2.28	J	5	3.29	J	5
	SODIUM	N/A	N/A	N/A	24		5	25.3		5	24		5	25.9		5	24.9		5	25.9		5	23.2		5	31.6		5
Anions (mg/L) Method E300.0	CHLORIDE	250	N/A	250	28.9		0.5	35.5		0.5	26.9		0.5	23.9		0.5	12.2		0.5	12.7		0.5	9.91		0.5	22.7		1
	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	0.147	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	0.758	J	1.5	0.952	J	1.5	0.706	J+	1.5	0.514	J	1.5	ND	U	1.5	ND	U	1.5	ND	U	1.5	ND	U	1.5
	SULFATE	600	N/A	250	56.3		2	56.5		2	49.1		2	60.1		2	35.7		2	36.8		2	33.6		2	33.6		2.5
	SULFIDE, TOTAL (Method 4500S2CF)	N/A	N/A	N/A	ND	U	3.45	ND	U	3.7	ND	U	3.45	ND	U	3.45	0.678	J	3.39	ND	U	3.7	0.69	J	3.45	0.69	J	3.45
Alkalinity (mg/L) Method SM2320B	ALKALINITY, BICARBONATE (AS CACO3)	N/A	N/A	N/A	97		1	93.8		1	94.2		1	104		1	106		1	115		1	105		1	203		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	N/A			18.54			18.51			18.62			19.27			18.71			18.67			19.45		
	pH (S.U.)	N/A	N/A	N/A	N/A			7.82			7.8			7.87			7.89			7.8			7.92			7.19		
	Spec Cond (µS/cm2)	N/A	N/A	N/A	N/A			357.8			319.1			327.4			327.9			293.1			311.2			551.8		
	DO (mg/L)	N/A	N/A	N/A	N/A			9.37			NM			8.22			9.29			7.52			NM			0.72		
	ORP (mV)	N/A	N/A	N/A	N/A			181			195			176			243			191			271			-126		
	Turbidity (NTU)	N/A	N/A	N/A	N/A			1.04			0.6			0.51			0.34			0.52			0.27			4.37		
	Alkalinity (mg/L as CaCO3)	N/A	N/A	N/A	N/A			104			128			118			140			112			122			198		

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

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Table 5-1
Groundwater Analytical Results
April - June 2012

			LOCATION CODE		KAFB-106060			KAFB-106061			KAFB-106062			KAFB-106063			KAFB-106063			KAFB-106064			KAFB-106065			KAFB-106066		
			SAMPLE NO		GW0564			GW0565			GW0566			GW0567			GW0568			GW0569			GW0571			GW0572		
			SAMPLE DATE		7-May-12			7-May-12			24-Apr-12			24-Apr-12			24-Apr-12			24-Apr-12			25-Apr-12			25-Apr-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			485-505 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)	DIESEL RANGE ORGANICS	N/A	N/A	N/A	571		374	ND	U	374	ND	U	97.1	ND	U	95.2	ND	U	100	14200		500	2270		100	ND	U	100
Method 8015B	GASOLINE RANGE ORGANICS	N/A	N/A	N/A	ND	U	150	ND	U	150	ND	U	150	53.2	J	150	ND	U	150	2390		150	353		150	ND	U	150
VOCs (µg/L)	1,1,1,2-TETRACHLOROETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	1
Method 8260B	1,1,1-TRICHLOROETHANE	60	N/A	60	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	1
	1,1,2,2-TETRACHLOROETHANE	10	N/A	10	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	1
	1,1,2-TRICHLOROETHANE	100	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	1
	1,1-DICHLOROETHANE	25	N/A	25	ND	U	1	ND	U	1	ND	U	1	0.46	J	1	0.45	J	1	ND	U	5	ND	U	5	ND	U	1
	1,1-DICHLOROETHENE	5	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	1
	1,1-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	1
	1,2,3-TRICHLOROBENZENE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	1
	1,2,3-TRICHLOROPROPANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	10	ND	U	10	ND	U	2
	1,2,4-TRICHLOROBENZENE	N/A	N/A	70	ND	U	2	ND	U	2	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	5	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	29.8		5	1.6	J	5	ND	U	1
	1,2-DIBROMO-3-CHLOROPROPANE	N/A	N/A	0.2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	10	ND	U	10	ND	U	2
	1,2-DIBROMOETHANE (Method 8011)	0.1	N/A	0.05	ND	UJ	0.0283	ND	UJ	0.0283	ND	U	0.0284	ND	U	0.0285	ND	U	0.0286	**0.699**		0.0286	**0.119**		0.0283	ND	U	0.0285
	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	5	ND	U	5	ND	U	1
	1,2-DICHLOROBENZENE	N/A	N/A	600	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	1
	1,2-DICHLOROETHANE	10	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	2.35	J	5	ND	U	5	ND	U	1
	1,2-DICHLOROPROPANE	N/A	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	5	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	14		5	2.05	J	5	ND	U	1
	1,3-DICHLOROBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	1
	1,3-DICHLOROPROPANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	1
	1,4-DICHLOROBENZENE	N/A	N/A	75	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	5	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	5	ND	U	5	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	50	ND	U	50	ND	U	10
	2-CHLOROTOLUENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	5	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	25	ND	U	25	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	5	ND	U	5	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	24.8	J	25	ND	U	25	ND	U	5
	ACETONE	N/A	N/A	N/A	ND	UJ	10	ND	UJ	10	ND	U	10	ND	U	10	ND	U	10	38.7	J	50	ND	U	50	ND	U	10
	BENZENE	10	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	**287**		5	2.45	J	5	ND	U	1
	BROMOBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	1
	BROMOCHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	1
	BROMODICHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	1
	BROMOFORM	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	5	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	10	ND	U	10	ND	U	2
	CARBON DISULFIDE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	1
	CARBON TETRACHLORIDE	10	N/A	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	1
	CHLOROBENZENE	N/A	N/A	100	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	1
	CHLOROETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	10	ND	U	10	ND	U	2
	CHLOROFORM	100	N/A	100	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	1
	CHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	1
	CIS-1,2-DICHLOROETHENE	N/A	N/A	70	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	1
	CIS-1,3-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	1
	DIBROMOCHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	1
	DIBROMOMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	1
	DICHLORODIFLUOROMETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	2	1.28	J+	2	1.34	J	2	ND	U	10	ND	U	10	ND	U	2
	ETHYLBENZENE	750	N/A	700	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	62.2		5	17.9		5	ND	U	1
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	1
	ISOPROPYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	0.36	J	1	0.37	J	1	22.2		5	7.3		5	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	5	ND	U	5	ND	U	1
	METHYLENE CHLORIDE	100	N/A	5	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	10	ND	U	10	ND	U	2
	NAPHTHALENE	N/A	N/A	30	ND	U	2	ND	U	2	ND	U	1	ND	U	1	ND	U	1	17.2		5	ND	U	5	ND	U	1
	N-BUTYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	2.95	J	5	ND	U	5	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	11.6		5	3.05	J	5	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	1.9	J	5	ND	U	5	ND	U	1
	SEC-BUTYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	3.55	J	5	1.45	J	5	ND	U	1
	STYRENE	N/A	N/A	100	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	1
	TERT-BUTYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	1
	TETRACHLOROETHENE	N/A	N/A	5	ND	U	1	ND	U	1	ND	U	1	0.46	J	1	0.49	J	1	ND	U	5	ND	U	5	ND	U	1
	TOLUENE	750	N/A	750	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	61.8		5	ND	U	5	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	5	ND	U	5	ND	U	1
	TRANS-1,3-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	1
	TRICHLOROETHENE	N/A	N/A	5	ND	U	1	ND	U	1	ND	U	1	0.55	J	1	0.53	J	1	ND	U	5	ND	U	5	ND	U	1
	TRICHLOROFLUOROMETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	10	ND	U	10	ND	U	2
	VINYL CHLORIDE	1	N/A	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	1
	XYLENES	620	N/A	10000	ND	U	3	ND	U	3	ND	U	3	ND	U	3	ND	U	3	166		15	ND	U	15	ND	U	3

Table 5-1
Groundwater Analytical Results
April - June 2012

			LOCATION CODE		KAFB-106060			KAFB-106061			KAFB-106062			KAFB-106063			KAFB-106063			KAFB-106064			KAFB-106065			KAFB-106066		
			SAMPLE NO		GW0564			GW0565			GW0566			GW0567			GW0568			GW0569			GW0571			GW0572		
			SAMPLE DATE		7-May-12			7-May-12			24-Apr-12			24-Apr-12			24-Apr-12			24-Apr-12			25-Apr-12			25-Apr-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			485-505 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	4.72	ND	U	4.67	ND	U	4.9	ND	U	5	ND	U	4.72	ND	U	49.5	ND	U	4.95	ND	U	4.95
	1,2-DIPHENYLHYDRAZINE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	5	ND	U	4.72	ND	U	49.5	ND	U	4.95	ND	U	4.95
	1-METHYL NAPHTHALENE	N/A	N/A	30	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	5	ND	U	4.72	ND	U	49.5	ND	U	4.95	ND	U	4.95
	2,4,5-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	5	ND	U	4.72	ND	U	49.5	ND	U	4.95	ND	U	4.95
	2,4,6-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	5	ND	U	4.72	ND	U	49.5	ND	U	4.95	ND	U	4.95
	2,4-DICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	5	ND	U	4.72	ND	U	49.5	ND	U	4.95	ND	U	4.95
	2,4-DIMETHYLPHENOL	N/A	N/A	N/A	ND	U	18.9	ND	U	18.7	ND	U	19.6	ND	U	20	ND	U	18.9	ND	U	198	ND	U	19.8	ND	U	19.8
	2,4-DINITROPHENOL	N/A	N/A	N/A	ND	U	47.2	ND	U	46.7	ND	U	49	ND	U	50	ND	U	47.2	ND	U	495	ND	U	49.5	ND	U	49.5
	2,4-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	5	ND	U	4.72	ND	U	49.5	ND	U	4.95	ND	U	4.95
	2,6-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	5	ND	U	4.72	ND	U	49.5	ND	U	4.95	ND	U	4.95
	2-CHLORONAPHTHALENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	5	ND	U	4.72	ND	U	49.5	ND	U	4.95	ND	U	4.95
	2-CHLOROPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	5	ND	U	4.72	ND	U	49.5	ND	U	4.95	ND	U	4.95
	2-METHYLNAPHTHALENE	N/A	N/A	30	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	5	ND	U	4.72	ND	U	49.5	ND	U	4.95	ND	U	4.95
	2-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	5	ND	U	4.72	ND	U	49.5	ND	U	4.95	ND	U	4.95
	2-NITROANILINE	N/A	N/A	N/A	ND	U	18.9	ND	U	18.7	ND	U	19.6	ND	U	20	ND	U	18.9	ND	U	198	ND	U	19.8	ND	U	19.8
	2-NITROPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	5	ND	U	4.72	ND	U	49.5	ND	U	4.95	ND	U	4.95
	3,3'-DICHLOROBENZIDINE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	5	ND	U	4.72	ND	U	49.5	ND	U	4.95	ND	U	4.95
	3-METHYLPHENOL AND 4-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	5	ND	U	4.72	ND	U	49.5	ND	U	4.95	ND	U	4.95
	3-NITROANILINE	N/A	N/A	N/A	ND	U	18.9	ND	U	18.7	ND	U	19.6	ND	U	20	ND	U	18.9	ND	U	198	ND	U	19.8	ND	U	19.8
	4,6-DINITRO-2-METHYLPHENOL	N/A	N/A	N/A	ND	U	18.9	ND	U	18.7	ND	U	19.6	ND	U	20	ND	U	18.9	ND	U	198	ND	U	19.8	ND	U	19.8
	4-BROMOPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	5	ND	U	4.72	ND	U	49.5	ND	U	4.95	ND	U	4.95
	4-CHLORO-3-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	5	ND	U	4.72	ND	U	49.5	ND	U	4.95	ND	U	4.95
	4-CHLOROANILINE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	5	ND	U	4.72	ND	U	49.5	ND	U	4.95	ND	U	4.95
	4-CHLOROPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	5	ND	U	4.72	ND	U	49.5	ND	U	4.95	ND	U	4.95
	4-NITROANILINE	N/A	N/A	N/A	ND	U	18.9	ND	U	18.7	ND	U	19.6	ND	U	20	ND	U	18.9	ND	U	198	ND	U	19.8	ND	U	19.8
	4-NITROPHENOL	N/A	N/A	N/A	ND	U	18.9	ND	U	18.7	ND	U	19.6	ND	U	20	ND	U	18.9	ND	U	198	ND	U	19.8	ND	U	19.8
	ACENAPHTHENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	5	ND	U	4.72	ND	U	49.5	ND	U	4.95	ND	U	4.95
	ACENAPHTHYLENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	5	ND	U	4.72	ND	U	49.5	ND	U	4.95	ND	U	4.95
	ACETOPHENONE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	5	ND	U	4.72	178		49.5	ND	U	4.95	ND	U	4.95
	ANTHRACENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	5	ND	U	4.72	ND	U	49.5	ND	U	4.95	ND	U	4.95
	ATRAZINE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	5	ND	U	4.72	ND	U	49.5	ND	U	4.95	ND	U	4.95
	BENZALDEHYDE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	5	ND	U	4.72	ND	U	49.5	ND	U	4.95	ND	U	4.95
	BENZIDINE	N/A	N/A	N/A	ND	U	47.2	ND	U	46.7	ND	U	49	ND	U	50	ND	U	47.2	ND	U	495	ND	U	49.5	ND	U	49.5
	BENZO(A)ANTHRACENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	5	ND	U	4.72	ND	U	49.5	ND	U	4.95	ND	U	4.95
	BENZO(A)PYRENE	0.7	N/A	0.2	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	5	ND	U	4.72	ND	U	49.5	ND	U	4.95	ND	U	4.95
	BENZO(B)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	5	ND	U	4.72	ND	U	49.5	ND	U	4.95	ND	U	4.95
	BENZO(GHI)PERYLENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	5	ND	U	4.72	ND	U	49.5	ND	U	4.95	ND	U	4.95
	BENZO(K)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	5	ND	U	4.72	ND	U	49.5	ND	U	4.95	ND	U	4.95
	BENZOIC ACID	N/A	N/A	N/A	ND	U	47.2	ND	U	46.7	ND	U	49	ND	U	50	ND	U	47.2	ND	U	495	ND	U	49.5	ND	U	49.5
	BIS(2-CHLOROETHOXY)METHANE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	5	ND	U	4.72	ND	U	49.5	ND	U	4.95	ND	U	4.95
	BIS(2-CHLOROETHYL)ETHER	N/A	N/A	N/A	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	5	ND	U	4.72	ND	U	49.5	ND	U	4.95	ND	U	4.95
	BIS(2-CHLOROISOPROPYL)ETHER	N/A	N/A	N/A	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	5	ND	U	4.72	ND	U	49.5	ND	U	4.95	ND	U	4.95
	BIS(2-ETHYLHEXYL)PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	5	ND	U	4.72	ND	U	49.5	ND	U	4.95	ND	U	4.95
	BUTYL BENZYL PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	5	ND	U	4.72	ND	U	49.5	ND	U	4.95	ND	U	4.95
	CAPROLACTAM	N/A	N/A	N/A	ND	UJ	4.72	ND	UJ	4.67	ND	U	4.9	ND	U	5	ND	U	4.72	ND	UJ	49.5	7.15	J-	4.95	ND	UJ	4.95
	CARBAZOLE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	5	ND	U	4.72	ND	U	49.5	ND	U	4.95	ND	U	4.95
	CHRYSENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	5	ND	U	4.72	ND	U	49.5	ND	U	4.95	ND	U	4.95
	DIBENZO(A,H)ANTHRACENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	5	ND	U	4.72	ND	U	49.5	ND	U	4.95	ND	U	4.95
	DIBENZOFURAN	N/A	N/A	N/A	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	5	ND	U	4.72	ND	U	49.5	ND	U	4.95	ND	U	4.95
	DIETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	5	ND	U	4.72	ND	U	49.5	ND	U	4.95	ND	U	4.95
	DIMETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	5	ND	U	4.72	ND	U	49.5	ND	U	4.95	ND	U	4.95
	DI-N-BUTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	5	ND	U	4.72	ND	U	49.5	ND	U	4.95	ND	U	4.95
	DI-N-OCTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	5	ND	U	4.72	ND	U	49.5	ND	U	4.95	ND	U	4.95
	FLUORANTHENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	5	ND	U	4.72	ND	U	49.5	ND	U	4.95	ND	U	4.95
	FLUORENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	5	ND	U	4.72	ND	U	49.5	ND	U	4.95	ND	U	4.95
	HEXACHLOROBENZENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	5	ND	U	4.72	ND	U	49.5	ND	U	4.95	ND	U	4.95
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	5	ND	U	4.72	ND	U	49.5	ND	U	4.95	ND	U	4.95
	HEXACHLOROCYCLOPENTADIENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	5	ND	U	4.72	ND	U	49.5	ND	U	4.95	ND	U	4.95
	HEXACHLOROETHANE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	5	ND	U	4.72	ND	U	49.5	ND	U	4.95	ND	U	4.95
	INDENO(1,2,3-CD)PYRENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	5	ND	U	4.72	ND	U	49.5	ND	U	4.95	ND	U	4.95
	ISOPHORONE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	5	ND	U	4.72	ND	U	49.5	ND	U	4.95	ND	U	4.95
	NAPHTHALENE	N/A	N/A	30	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	5	ND	U	4.72	16.7	J	49.5	ND	U	4.95	ND	U	4.95
	NITROBENZENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	5	ND	U	4.72	ND	U	49.5	ND	U	4.95	ND	U	4.95
	N-NITROSO-DI-N-PROPYLAMINE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	5	ND	U	4.72	ND	U	49.5	ND	U	4.95	ND	U	4.95
	N-NITROSODIPHENYLAMINE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	5	ND	U	4.72	ND	U	49.5	ND	U	4.95	ND	U	4.95
	PENTACHLOROPHENOL	N/A	N/A	N/A	ND	U	18.9	ND	U	18.7	ND	U	19.6	ND	U	20	ND	U	18.9	ND	U	198	ND	U	19.8	ND	U	19.8
	PHENANTHRENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	5	ND	U	4.72	ND	U	49.5	ND	U	4.95	ND	U	4.95
	PHENOL	N/A	N/A	5	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	5	ND	U	4.72	ND	U	49.5	ND	U	4.95	ND	U	4.95
	PYRENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	5	ND	U	4.72	ND	U	49.5	ND	U	4.95	ND	U	4.95

Table 5-1
Groundwater Analytical Results
April - June 2012

			LOCATION CODE		KAFB-106060			KAFB-106061			KAFB-106062			KAFB-106063			KAFB-106063			KAFB-106064			KAFB-106065			KAFB-106066		
			SAMPLE NO		GW0564			GW0565			GW0566			GW0567			GW0568			GW0569			GW0571			GW0572		
			SAMPLE DATE		7-May-12			7-May-12			24-Apr-12			24-Apr-12			24-Apr-12			24-Apr-12			25-Apr-12			25-Apr-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			485-505 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	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	45.3		5	33.1		5	35.2		5	47.3		5	44.9		5	74.6		5	60.8		5	36.9		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	**0.39**		0.1	**1.36**		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	6.03		5	4.31	J	5	4.84	J	5	6.64		5	6.35		5	10.9		5	9.4		5	5.04		5
	MANGANESE, DISSOLVED	0.2	N/A	0.05	ND	U	0.015	ND	U	0.015	ND	U	0.015	0.00468	J	0.015	0.00479	J	0.015	**0.831**		0.015	**1.41**		0.015	0.00981	J	0.015
	POTASSIUM	N/A	N/A	N/A	2.47	J	5	2.07	J	5	1.98	J	5	2.38	J	5	2.26	J	5	2.9	J	5	2.64	J	5	2.09	J	5
	SODIUM	N/A	N/A	N/A	24.8		5	21.8		5	22.3		5	26.2		5	24.8		5	32.3		5	31.9		5	22.6		5
Anions (mg/L) Method E300.0	CHLORIDE	250	N/A	250	15.3		1	6.93		1	7.19		0.5	12.4		0.5	12.4		0.5	12.9		0.5	16.4		0.5	7.5		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	ND	U	0.3
	NITROGEN, NITRATE-NITRITE (Method E353.2)	N/A	4	N/A	0.435	J	1.5	ND	U	1.5	ND	U	1.5	0.632	J	1.5	0.615	J	1.5	ND	U	1.5	ND	U	1.5	ND	U	1.5
	SULFATE	600	N/A	250	38.9		2.5	28.6		2.5	28.3		2	35.2		2	35.5		2	6.29		2	56.9		2	28		2
	SULFIDE, TOTAL (Method 4500S2CF)	N/A	N/A	N/A	ND	U	3.45	ND	U	3.45	ND	U	3.45	ND	U	3.45	ND	U	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	117		1	96.6		1	112		1	128		1	132		1	258		1	160		1	118		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	19.37			18.93			19.54			19.76			N/A			19.87			18.7			17.94		
	pH (S.U.)	N/A	N/A	N/A	7.77			7.85			7.78			7.76			N/A			7.46			7.39			7.71		
	Spec Cond (µS/cm2)	N/A	N/A	N/A	344			260.6			284.2			362.2			N/A			540			456.9			286.1		
	DO (mg/L)	N/A	N/A	N/A	NM			4.75			4.49			6.29			N/A			0.34			0.14			NM		
	ORP (mV)	N/A	N/A	N/A	167			160			177			167			N/A			-231			-219			167		
	Turbidity (NTU)	N/A	N/A	N/A	0.68			0.79			0.51			0.3			N/A			1.97			0.74			0.83		
	Alkalinity (mg/L as CaCO3)	N/A	N/A	N/A	124			126			106			124			N/A			242			160			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

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Table 5-1
Groundwater Analytical Results
April - June 2012

				LOCATION CODE	KAFB-106067			KAFB-106068			KAFB-106069			KAFB-106070			KAFB-106071			KAFB-106071			KAFB-106072			KAFB-106073		
				SAMPLE NO	GW0573			GW0574			GW0575			GW0576			GW0577			GW0578			GW0579			GW0580		
				SAMPLE DATE	25-Apr-12			25-Apr-12			25-Apr-12			12-Apr-12			12-Apr-12			12-Apr-12			12-Apr-12			3-May-12		
				SAMPLE PURPOSE	REG			REG			REG			REG			REG			FD			REG			REG		
				SAMPLE DEPTH	485-505 FT			580-595 FT			506-521 FT			460-480 FT			548-563 FT			548-563 FT			475-495 FT			500-515 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[b]	NMED Approved Background[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)	DIESEL RANGE ORGANICS	N/A	N/A	N/A	2400		377	ND	U	98	ND	U	111	1000		96.2	ND	U	94.3	ND	U	94.3	222		100	275	J	392
Method 8015B	GASOLINE RANGE ORGANICS	N/A	N/A	N/A	618		150	ND	U	150	ND	U	150	214		150	ND	U	150	ND	U	150	83.2	J	150	114	J	150
VOCs (µg/L)	1,1,1,2-TETRACHLOROETHANE	N/A	N/A	N/A	ND	U	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2
Method 8260B	1,1,1-TRICHLOROETHANE	60	N/A	60	ND	U	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2
	1,1,2,2-TETRACHLOROETHANE	10	N/A	10	ND	U	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2
	1,1,2-TRICHLOROETHANE	100	N/A	5	ND	U	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2
	1,1-DICHLOROETHANE	25	N/A	25	ND	U	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2
	1,1-DICHLOROETHENE	5	N/A	5	ND	U	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2
	1,1-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2
	1,2,3-TRICHLOROBENZENE	N/A	N/A	N/A	ND	U	10	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	4
	1,2,3-TRICHLOROPROPANE	N/A	N/A	N/A	ND	U	10	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	4
	1,2,4-TRICHLOROBENZENE	N/A	N/A	70	ND	U	10	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	4
	1,2,4-TRIMETHYLBENZENE	N/A	N/A	N/A	1.8	J	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2
	1,2-DIBROMO-3-CHLOROPROPANE	N/A	N/A	0.2	ND	U	10	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	4
	1,2-DIBROMOETHANE (Method 8011)	0.1	N/A	0.05	**0.196**		0.028	**0.228**		0.0285	ND	U	0.0281	**0.0957**		0.0279	ND	U	0.0279	ND	U	0.0284	**0.199**		0.0282	**0.0656**	J	0.0281
	1,2-DIBROMOETHANE	0.1	N/A	0.05	ND	U	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2
	1,2-DICHLOROBENZENE	N/A	N/A	600	ND	U	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2
	1,2-DICHLOROETHANE	10	N/A	5	ND	U	5	ND	U	1	ND	U	1	1.56		1	ND	U	1	ND	U	1	1.09		1	ND	U	2
	1,2-DICHLOROPROPANE	N/A	N/A	5	ND	U	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2
	1,3,5-TRIMETHYLBENZENE	N/A	N/A	N/A	6.45		5	ND	U	1	ND	U	1	0.89	J	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2
	1,3-DICHLOROBENZENE	N/A	N/A	N/A	ND	U	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2
	1,3-DICHLOROPROPANE	N/A	N/A	N/A	ND	U	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2
	1,4-DICHLOROBENZENE	N/A	N/A	75	ND	U	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2
	2,2-DICHLOROPROPANE	N/A	N/A	N/A	ND	U	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2
	2-BUTANONE	N/A	N/A	N/A	ND	U	50	ND	U	10	ND	U	10	ND	U	10	ND	U	10	ND	U	10	ND	U	10	ND	U	20
	2-CHLOROTOLUENE	N/A	N/A	N/A	ND	U	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2
	2-HEXANONE	N/A	N/A	N/A	ND	U	25	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	10
	4-CHLOROTOLUENE	N/A	N/A	N/A	ND	U	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2
	4-METHYL-2-PENTANONE	N/A	N/A	N/A	ND	U	25	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	5	ND	U	10
	ACETONE	N/A	N/A	N/A	13.5	J	50	ND	U	10	ND	U	10	10.7		10	ND	U	10	ND	U	10	6.58	J	10	29.9		20
	BENZENE	10	N/A	5	**39.8**		5	ND	U	1	ND	U	1	0.33	J	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2
	BROMOBENZENE	N/A	N/A	N/A	ND	U	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2
	BROMOCHLOROMETHANE	N/A	N/A	N/A	ND	U	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2
	BROMODICHLOROMETHANE	N/A	N/A	N/A	ND	U	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2
	BROMOFORM	N/A	N/A	N/A	ND	U	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2
	BROMOMETHANE	N/A	N/A	N/A	ND	UJ	10	ND	U	2	ND	U	2	ND	UJ	2	ND	UJ	2	ND	UJ	2	ND	UJ	2	ND	UJ	4
	CARBON DISULFIDE	N/A	N/A	N/A	1.5	J	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2
	CARBON TETRACHLORIDE	10	N/A	5	ND	U	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2
	CHLOROBENZENE	N/A	N/A	100	ND	U	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2
	CHLOROETHANE	N/A	N/A	N/A	ND	U	10	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	4
	CHLOROFORM	100	N/A	100	ND	U	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2
	CHLOROMETHANE	N/A	N/A	N/A	ND	UJ	5	ND	U	1	ND	U	1	ND	UJ	1	ND	UJ	1	ND	UJ	1	ND	UJ	1	ND	UJ	2
	CIS-1,2-DICHLOROETHENE	N/A	N/A	70	ND	U	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2
	CIS-1,3-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2
	DIBROMOCHLOROMETHANE	N/A	N/A	N/A	ND	U	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2
	DIBROMOMETHANE	N/A	N/A	N/A	ND	U	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2
	DICHLORODIFLUOROMETHANE	N/A	N/A	N/A	ND	U	10	ND	U	2	1.12	J+	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	4
	ETHYLBENZENE	750	N/A	700	45.5		5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	10	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	4
	ISOPROPYLBENZENE	N/A	N/A	N/A	12.8		5	ND	U	1	0.76	J	1	2.11		1	ND	U	1	ND	U	1	ND	U	1	1.44	J	2
	METHYL TERT-BUTYL ETHER	N/A	N/A	N/A	ND	U	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2
	METHYLENE CHLORIDE	100	N/A	5	ND	U	10	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	4
	NAPHTHALENE	N/A	N/A	30	6.15	J	10	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	4
	N-BUTYLBENZENE	N/A	N/A	N/A	ND	U	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2
	N-PROPYLBENZENE	N/A	N/A	N/A	5		5	ND	U	1	ND	U	1	0.37	J	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2
	P-ISOPROPYLTOLUENE	N/A	N/A	N/A	ND	U	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2
	SEC-BUTYLBENZENE	N/A	N/A	N/A	ND	U	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2
	STYRENE	N/A	N/A	100	ND	U	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2
	TERT-BUTYLBENZENE	N/A	N/A	N/A	ND	U	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2
	TETRACHLOROETHENE	N/A	N/A	5	ND	U	5	ND	U	1	0.33	J	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2
	TOLUENE	750	N/A	750	ND	U	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2
	TRANS-1,2-DICHLOROETHENE	N/A	N/A	100	ND	U	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2
	TRANS-1,3-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2
	TRICHLOROETHENE	N/A	N/A	5	ND	U	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2
	TRICHLOROFLUOROMETHANE	N/A	N/A	N/A	ND	U	10	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	4
	VINYL CHLORIDE	1	N/A	1	ND	U	5	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	2
	XYLENES	620	N/A	10000	9.15	J	15	ND	U	3	ND	U	3	ND	U	3	ND	U	3	ND	U	3	ND	U	3	ND	U	6

Table 5-1
Groundwater Analytical Results
April - June 2012

			LOCATION CODE		KAFB-106067			KAFB-106068			KAFB-106069			KAFB-106070			KAFB-106071			KAFB-106071			KAFB-106072			KAFB-106073		
			SAMPLE NO		GW0573			GW0574			GW0575			GW0576			GW0577			GW0578			GW0579			GW0580		
			SAMPLE DATE		25-Apr-12			25-Apr-12			25-Apr-12			12-Apr-12			12-Apr-12			12-Apr-12			12-Apr-12			3-May-12		
			SAMPLE PURPOSE		REG			REG			REG			REG			REG			FD			REG			REG		
			SAMPLE DEPTH		485-505 FT			580-595 FT			506-521 FT			460-480 FT			548-563 FT			548-563 FT			475-495 FT			500-515 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[b]	NMED Approved Background[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	4.95	ND	U	5	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.81
	1,2-DIPHENYLHYDRAZINE	N/A	N/A	N/A	ND	U	5	ND	U	4.95	ND	U	5	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.81
	1-METHYL NAPHTHALENE	N/A	N/A	30	2.06	J	5	ND	U	4.95	ND	U	5	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.81
	2,4,5-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	5	ND	U	4.95	ND	U	5	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.81
	2,4,6-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	5	ND	U	4.95	ND	U	5	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.81
	2,4-DICHLOROPHENOL	N/A	N/A	N/A	ND	U	5	ND	U	4.95	ND	U	5	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.81
	2,4-DIMETHYLPHENOL	N/A	N/A	N/A	ND	U	20	ND	U	19.8	ND	U	20	ND	U	19.2	ND	U	19.6	ND	U	19.2	ND	U	18.9	ND	U	19.2
	2,4-DINITROPHENOL	N/A	N/A	N/A	ND	U	50	ND	U	49.5	ND	U	50	ND	U	48.1	ND	U	49	ND	U	48.1	ND	U	47.2	ND	U	48.1
	2,4-DINITROTOLUENE	N/A	N/A	N/A	ND	U	5	ND	U	4.95	ND	U	5	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.81
	2,6-DINITROTOLUENE	N/A	N/A	N/A	ND	U	5	ND	U	4.95	ND	U	5	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.81
	2-CHLORONAPHTHALENE	N/A	N/A	N/A	ND	U	5	ND	U	4.95	ND	U	5	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.81
	2-CHLOROPHENOL	N/A	N/A	N/A	ND	U	5	ND	U	4.95	ND	U	5	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.81
	2-METHYLNAPHTHALENE	N/A	N/A	30	ND	U	5	ND	U	4.95	ND	U	5	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.81
	2-METHYLPHENOL	N/A	N/A	N/A	ND	U	5	ND	U	4.95	ND	U	5	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.81
	2-NITROANILINE	N/A	N/A	N/A	ND	U	20	ND	U	19.8	ND	U	20	ND	U	19.2	ND	U	19.6	ND	U	19.2	ND	U	18.9	ND	U	19.2
	2-NITROPHENOL	N/A	N/A	N/A	ND	U	5	ND	U	4.95	ND	U	5	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.81
	3,3'-DICHLOROBENZIDINE	N/A	N/A	N/A	ND	U	5	ND	U	4.95	ND	U	5	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.81
	3-METHYLPHENOL AND 4-METHYLPHENOL	N/A	N/A	N/A	ND	U	5	ND	U	4.95	ND	U	5	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.81
	3-NITROANILINE	N/A	N/A	N/A	ND	U	20	ND	U	19.8	ND	U	20	ND	U	19.2	ND	U	19.6	ND	U	19.2	ND	U	18.9	ND	U	19.2
	4,6-DINITRO-2-METHYLPHENOL	N/A	N/A	N/A	ND	U	20	ND	U	19.8	ND	U	20	ND	U	19.2	ND	U	19.6	ND	U	19.2	ND	U	18.9	ND	U	19.2
	4-BROMOPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	5	ND	U	4.95	ND	U	5	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.81
	4-CHLORO-3-METHYLPHENOL	N/A	N/A	N/A	ND	U	5	ND	U	4.95	ND	U	5	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.81
	4-CHLOROANILINE	N/A	N/A	N/A	ND	U	5	ND	U	4.95	ND	U	5	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.81
	4-CHLOROPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	5	ND	U	4.95	ND	U	5	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.81
	4-NITROANILINE	N/A	N/A	N/A	ND	U	20	ND	U	19.8	ND	U	20	ND	U	19.2	ND	U	19.6	ND	U	19.2	ND	U	18.9	ND	U	19.2
	4-NITROPHENOL	N/A	N/A	N/A	ND	U	20	ND	U	19.8	ND	U	20	ND	U	19.2	ND	U	19.6	ND	U	19.2	ND	U	18.9	ND	U	19.2
	ACENAPHTHENE	N/A	N/A	N/A	ND	U	5	ND	U	4.95	ND	U	5	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.81
	ACENAPHTHYLENE	N/A	N/A	N/A	ND	U	5	ND	U	4.95	ND	U	5	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.81
	ACETOPHENONE	N/A	N/A	N/A	6.8		5	ND	U	4.95	ND	U	5	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.81
	ANTHRACENE	N/A	N/A	N/A	ND	U	5	ND	U	4.95	ND	U	5	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.81
	ATRAZINE	N/A	N/A	N/A	ND	U	5	ND	U	4.95	ND	U	5	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.81
	BENZALDEHYDE	N/A	N/A	N/A	ND	U	5	ND	U	4.95	ND	U	5	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.81
	BENZIDINE	N/A	N/A	N/A	ND	U	50	ND	U	49.5	ND	U	50	ND	U	48.1	ND	U	49	ND	U	48.1	ND	U	47.2	ND	U	48.1
	BENZO(A)ANTHRACENE	N/A	N/A	N/A	ND	U	5	ND	U	4.95	ND	U	5	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.81
	BENZO(A)PYRENE	0.7	N/A	0.2	ND	U	5	ND	U	4.95	ND	U	5	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.81
	BENZO(B)FLUORANTHENE	N/A	N/A	N/A	ND	U	5	ND	U	4.95	ND	U	5	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.81
	BENZO(GHI)PERYLENE	N/A	N/A	N/A	ND	U	5	ND	U	4.95	ND	U	5	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.81
	BENZO(K)FLUORANTHENE	N/A	N/A	N/A	ND	U	5	ND	U	4.95	ND	U	5	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.81
	BENZOIC ACID	N/A	N/A	N/A	ND	U	50	ND	U	49.5	ND	U	50	ND	U	48.1	ND	U	49	ND	U	48.1	ND	U	47.2	ND	U	48.1
	BIS(2-CHLOROETHOXY)METHANE	N/A	N/A	N/A	ND	U	5	ND	U	4.95	ND	U	5	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.81
	BIS(2-CHLOROETHYL)ETHER	N/A	N/A	N/A	ND	U	5	ND	U	4.95	ND	U	5	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.81
	BIS(2-CHLOROISOPROPYL)ETHER	N/A	N/A	N/A	ND	U	5	ND	U	4.95	ND	U	5	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.81
	BIS(2-ETHYLHEXYL)PHTHALATE	N/A	N/A	N/A	ND	U	5	ND	U	4.95	ND	U	5	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.81
	BUTYL BENZYL PHTHALATE	N/A	N/A	N/A	ND	U	5	ND	U	4.95	ND	U	5	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.81
	CAPROLACTAM	N/A	N/A	N/A	4.13	J-	5	ND	UJ	4.95	ND	UJ	5	ND	UJ	4.81	ND	UJ	4.9	3.76	J-	4.81	3.71	J-	4.72	ND	UJ	4.81
	CARBAZOLE	N/A	N/A	N/A	ND	U	5	ND	U	4.95	ND	U	5	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.81
	CHRYSENE	N/A	N/A	N/A	ND	U	5	ND	U	4.95	ND	U	5	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.81
	DIBENZO(A,H)ANTHRACENE	N/A	N/A	N/A	ND	U	5	ND	U	4.95	ND	U	5	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.81
	DIBENZOFURAN	N/A	N/A	N/A	ND	U	5	ND	U	4.95	ND	U	5	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.81
	DIETHYL PHTHALATE	N/A	N/A	N/A	ND	U	5	ND	U	4.95	ND	U	5	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.81
	DIMETHYL PHTHALATE	N/A	N/A	N/A	ND	U	5	ND	U	4.95	ND	U	5	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.81
	DI-N-BUTYL PHTHALATE	N/A	N/A	N/A	ND	U	5	ND	U	4.95	ND	U	5	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.81
	DI-N-OCTYL PHTHALATE	N/A	N/A	N/A	ND	U	5	ND	U	4.95	ND	U	5	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.81
	FLUORANTHENE	N/A	N/A	N/A	ND	U	5	ND	U	4.95	ND	U	5	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.81
	FLUORENE	N/A	N/A	N/A	ND	U	5	ND	U	4.95	ND	U	5	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.81
	HEXACHLOROBENZENE	N/A	N/A	N/A	ND	U	5	ND	U	4.95	ND	U	5	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.81
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	5	ND	U	4.95	ND	U	5	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.81
	HEXACHLOROCYCLOPENTADIENE	N/A	N/A	N/A	ND	U	5	ND	U	4.95	ND	U	5	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.81
	HEXACHLOROETHANE	N/A	N/A	N/A	ND	U	5	ND	U	4.95	ND	U	5	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.81
	INDENO(1,2,3-CD)PYRENE	N/A	N/A	N/A	ND	U	5	ND	U	4.95	ND	U	5	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.81
	ISOPHORONE	N/A	N/A	N/A	ND	U	5	ND	U	4.95	ND	U	5	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.81
	NAPHTHALENE	N/A	N/A	30	4.47	J	5	ND	U	4.95	ND	U	5	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.81
	NITROBENZENE	N/A	N/A	N/A	ND	U	5	ND	U	4.95	ND	U	5	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.81
	N-NITROSO-DI-N-PROPYLAMINE	N/A	N/A	N/A	ND	U	5	ND	U	4.95	ND	U	5	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.81
	N-NITROSODIPHENYLAMINE	N/A	N/A	N/A	ND	U	5	ND	U	4.95	ND	U	5	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.81
	PENTACHLOROPHENOL	N/A	N/A	N/A	ND	U	20	ND	U	19.8	ND	U	20	ND	U	19.2	ND	U	19.6	ND	U	19.2	ND	U	18.9	ND	U	19.2
	PHENANTHRENE	N/A	N/A	N/A	ND	U	5	ND	U	4.95	ND	U	5	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.81
	PHENOL	N/A	N/A	5	ND	U	5	ND	U	4.95	ND	U	5	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.81
	PYRENE	N/A	N/A	N/A	ND	U	5	ND	U	4.95	ND	U	5	ND	U	4.81	ND	U	4.9	ND	U	4.81	ND	U	4.72	ND	U	4.81

Table 5-1
Groundwater Analytical Results
April - June 2012

			LOCATION CODE		KAFB-106067			KAFB-106068			KAFB-106069			KAFB-106070			KAFB-106071			KAFB-106071			KAFB-106072			KAFB-106073		
			SAMPLE NO		GW0573			GW0574			GW0575			GW0576			GW0577			GW0578			GW0579			GW0580		
			SAMPLE DATE		25-Apr-12			25-Apr-12			25-Apr-12			12-Apr-12			12-Apr-12			12-Apr-12			12-Apr-12			3-May-12		
			SAMPLE PURPOSE		REG			REG			REG			REG			REG			FD			REG			REG		
			SAMPLE DEPTH		485-505 FT			580-595 FT			506-521 FT			460-480 FT			548-563 FT			548-563 FT			475-495 FT			500-515 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[b]	NMED Approved Background[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	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	62.6		5	34.9		5	42.7		5	61.1		5	39.5		5	39.2		5	55.9		5	52.1		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	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	8.33		5	4.79	J	5	5.91		5	8.44		5	5.12		5	4.99	J	5	7.22		5	7.38		5
	MANGANESE, DISSOLVED	0.2	N/A	0.05	**0.166**		0.015	ND	U	0.015	0.00387	J	0.015	**0.0714**		0.015	ND	U	0.015	ND	U	0.015	0.0222	J	0.015	ND	U	0.015
	POTASSIUM	N/A	N/A	N/A	2.64	J	5	1.97	J	5	2.25	J	5	3.01	J	5	2.23	J	5	2.19	J	5	2.78	J	5	2.51	J	5
	SODIUM	N/A	N/A	N/A	29.3		5	21.7		5	24.2		5	30.5		5	23.1		5	22.2		5	26.2		5	25.2		5
Anions (mg/L) Method E300.0	CHLORIDE	250	N/A	250	11.9		0.5	8.54		0.5	11.4		0.5	24.4		0.5	9.9		0.5	9.99		0.5	16.1		0.5	44.1		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	ND	U	1.5	ND	U	1.5	0.602	J	1.5	ND	U	1.5	0.329	J	1.5	0.66	J	1.5	ND	U	1.5	ND	U	1.5
	SULFATE	600	N/A	250	25.6		2	29.9		2	33.9		2	48.5		2	32.3		2	32.5		2	44.6		2	37.4		2
	SULFIDE, TOTAL (Method 4500S2CF)	N/A	N/A	N/A	ND	U	3.39	ND	U	3.7	ND	U	3.7	ND	U	3.45	ND	U	3.45	ND	U	3.7	ND	U	3.45	0.69	J	3.45
Alkalinity (mg/L) Method SM2320B	ALKALINITY, BICARBONATE (AS CACO3)	N/A	N/A	N/A	189		1	104		1	122		1	147		1	108		1	105		1	130		1	121		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	18.68			18.6			18.51			18.6			18.69			N/A			18.54			18.75		
	pH (S.U.)	N/A	N/A	N/A	7.52			7.9			7.79			7.64			7.81			N/A			7.63			7.67		
	Spec Cond (µS/cm2)	N/A	N/A	N/A	382			251.2			288			468.4			309.4			N/A			400.7			371.8		
	DO (mg/L)	N/A	N/A	N/A	2.5			10.91			4.36			1.87			6.85			N/A			4.27			10.14		
	ORP (mV)	N/A	N/A	N/A	122			227			181			22			163			N/A			67			185		
	Turbidity (NTU)	N/A	N/A	N/A	1.03			0.68			1.52			1.71			1.49			N/A			0.87			0.49		
	Alkalinity (mg/L as CaCO3)	N/A	N/A	N/A	148			116			120			160			108			N/A			152			128		

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

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Table 5-1
Groundwater Analytical Results
April - June 2012

			LOCATION CODE		KAFB-106074			KAFB-106075			KAFB-106076			KAFB-106077			KAFB-106078			KAFB-106079			KAFB-106080			KAFB-106081		
			SAMPLE NO		GW0581			GW0582			GW0583			GW0584			GW0585			GW0586			GW0587			GW0588		
			SAMPLE DATE		3-May-12			3-May-12			10-May-12			10-May-12			14-May-12			8-May-12			8-May-12			8-May-12		
			SAMPLE PURPOSE		REG			REG			REG			REG			REG			REG			REG			REG		
			SAMPLE DEPTH		570-585 FT			480-500 FT			480-500 FT			504-519 FT			574-589 FT			484-504 FT			504-519 FT			576-589 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[b]	NMED Approved Background[c]	EPA MCLs[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)	DIESEL RANGE ORGANICS	N/A	N/A	N/A	ND	U	377	ND	U	385	18100		9430	ND	U	385	ND	U	385	27900		3770	8560		755	249	J	392
Method 8015B	GASOLINE RANGE ORGANICS	N/A	N/A	N/A	ND	U	150	ND	U	150	37700		3750	ND	U	150	ND	U	150	1370		150	12700		3750	ND	U	150
VOCs (µg/L)	1,1,1,2-TETRACHLOROETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	100	ND	U	50	ND	U	1
Method 8260B	1,1,1-TRICHLOROETHANE	60	N/A	60	ND	U	1	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	100	ND	U	50	ND	U	1
	1,1,2,2-TETRACHLOROETHANE	10	N/A	10	ND	U	1	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	100	ND	U	50	ND	U	1
	1,1,2-TRICHLOROETHANE	100	N/A	5	ND	U	1	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	100	ND	U	50	ND	U	1
	1,1-DICHLOROETHANE	25	N/A	25	ND	U	1	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	100	ND	U	50	ND	U	1
	1,1-DICHLOROETHENE	5	N/A	5	ND	U	1	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	100	ND	U	50	ND	U	1
	1,1-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	100	ND	U	50	ND	U	1
	1,2,3-TRICHLOROBENZENE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	100	ND	U	2	ND	U	2	ND	U	200	ND	U	100	ND	U	2
	1,2,3-TRICHLOROPROPANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	100	ND	U	2	ND	U	2	ND	U	200	ND	U	100	ND	U	2
	1,2,4-TRICHLOROBENZENE	N/A	N/A	70	ND	U	2	ND	U	2	ND	U	100	ND	U	2	ND	U	2	ND	U	200	ND	U	100	ND	U	2
	1,2,4-TRIMETHYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	182		50	ND	U	1	ND	U	1	ND	U	100	137		50	ND	U	1
	1,2-DIBROMO-3-CHLOROPROPANE	N/A	N/A	0.2	ND	U	2	ND	U	2	ND	U	100	ND	U	2	ND	U	2	ND	U	200	ND	U	100	ND	U	2
	1,2-DIBROMOETHANE (Method 8011)	0.1	N/A	0.05	ND	U	0.0282	**0.0959**		0.0283	**245**		14.1	ND	U	0.0285	ND	U	0.0281	**4.55**		0.287	**1.19**		0.0569	ND	U	0.0286
	1,2-DIBROMOETHANE	0.1	N/A	0.05	ND	U	1	ND	U	1	**299**		50	ND	U	1	ND	U	1	ND	U	100	ND	U	50	ND	U	1
	1,2-DICHLOROBENZENE	N/A	N/A	600	ND	U	1	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	100	ND	U	50	ND	U	1
	1,2-DICHLOROETHANE	10	N/A	5	ND	U	1	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	100	ND	U	50	ND	U	1
	1,2-DICHLOROPROPANE	N/A	N/A	5	ND	U	1	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	100	ND	U	50	ND	U	1
	1,3,5-TRIMETHYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	49.5	J	50	ND	U	1	ND	U	1	79	J	100	59		50	ND	U	1
	1,3-DICHLOROBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	100	ND	U	50	ND	U	1
	1,3-DICHLOROPROPANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	100	ND	U	50	ND	U	1
	1,4-DICHLOROBENZENE	N/A	N/A	75	ND	U	1	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	100	ND	U	50	ND	U	1
	2,2-DICHLOROPROPANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	100	ND	U	50	ND	U	1
	2-BUTANONE	N/A	N/A	N/A	ND	U	10	ND	U	10	3480		500	ND	U	10	ND	U	10	ND	U	1000	ND	U	500	ND	U	10
	2-CHLOROTOLUENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	100	ND	U	50	ND	U	1
	2-HEXANONE	N/A	N/A	N/A	ND	U	5	ND	U	5	1530		250	ND	U	5	ND	U	5	168	J	500	ND	U	250	ND	U	5
	4-CHLOROTOLUENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	100	ND	U	50	ND	U	1
	4-METHYL-2-PENTANONE	N/A	N/A	N/A	ND	U	5	ND	U	5	916		250	ND	U	5	ND	U	5	180	J	500	ND	U	250	ND	U	5
	ACETONE	N/A	N/A	N/A	ND	U	10	ND	U	10	28000		1000	ND	U	10	ND	U	10	388	J	1000	204	J-	500	ND	UJ	10
	BENZENE	10	N/A	5	ND	U	1	ND	U	1	**5060**		50	ND	U	1	ND	U	1	**13400**		100	**4780**		50	ND	U	1
	BROMOBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	100	ND	U	50	ND	U	1
	BROMOCHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	100	ND	U	50	ND	U	1
	BROMODICHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	100	ND	U	50	ND	U	1
	BROMOFORM	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	100	ND	U	50	ND	U	1
	BROMOMETHANE	N/A	N/A	N/A	ND	UJ	2	ND	UJ	2	ND	UJ	100	ND	U	2	ND	UJ	2	ND	U	200	ND	U	100	ND	U	2
	CARBON DISULFIDE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	50	ND	U	1	ND	U	1	94	J	100	27	J	50	ND	U	1
	CARBON TETRACHLORIDE	10	N/A	5	ND	U	1	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	100	ND	U	50	ND	U	1
	CHLOROBENZENE	N/A	N/A	100	ND	U	1	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	100	ND	U	50	ND	U	1
	CHLOROETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	100	ND	U	2	ND	U	2	ND	U	200	ND	U	100	ND	U	2
	CHLOROFORM	100	N/A	100	ND	U	1	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	100	ND	U	50	ND	U	1
	CHLOROMETHANE	N/A	N/A	N/A	ND	UJ	1	ND	UJ	1	ND	U	50	ND	U	1	ND	U	1	ND	U	100	ND	U	50	ND	U	1
	CIS-1,2-DICHLOROETHENE	N/A	N/A	70	ND	U	1	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	100	ND	U	50	ND	U	1
	CIS-1,3-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	100	ND	U	50	ND	U	1
	DIBROMOCHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	100	ND	U	50	ND	U	1
	DIBROMOMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	100	ND	U	50	ND	U	1
	DICHLORODIFLUOROMETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	100	0.79	J	2	ND	U	2	ND	U	200	ND	U	100	ND	U	2
	ETHYLBENZENE	750	N/A	700	ND	U	1	ND	U	1	402		50	ND	U	1	ND	U	1	**1440**		100	**1230**		50	ND	U	1
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	100	ND	U	2	ND	U	2	ND	U	200	ND	U	100	ND	U	2
	ISOPROPYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	34	J	50	ND	U	1	ND	U	1	83	J	100	73		50	ND	U	1
	METHYL TERT-BUTYL ETHER	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	100	ND	U	50	ND	U	1
	METHYLENE CHLORIDE	100	N/A	5	ND	U	2	ND	U	2	ND	U	100	ND	U	2	ND	U	2	ND	U	200	ND	U	100	ND	U	2
	NAPHTHALENE	N/A	N/A	30	ND	U	2	ND	U	2	**118**		100	ND	U	2	ND	U	2	**108**	J	200	**110**		100	ND	U	2
	N-BUTYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	100	ND	U	50	ND	U	1
	N-PROPYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	34	J	50	ND	U	1	ND	U	1	83	J	100	73.5		50	ND	U	1
	P-ISOPROPYLTOLUENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	100	ND	U	50	ND	U	1
	SEC-BUTYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	100	ND	U	50	ND	U	1
	STYRENE	N/A	N/A	100	ND	U	1	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	100	ND	U	50	ND	U	1
	TERT-BUTYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	100	ND	U	50	ND	U	1
	TETRACHLOROETHENE	N/A	N/A	5	ND	U	1	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	100	ND	U	50	ND	U	1
	TOLUENE	750	N/A	750	ND	U	1	ND	U	1	**6560**		50	ND	U	1	ND	U	1	**5890**		100	**1330**		50	ND	U	1
	TRANS-1,2-DICHLOROETHENE	N/A	N/A	100	ND	U	1	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	100	ND	U	50	ND	U	1
	TRANS-1,3-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	100	ND	U	50	ND	U	1
	TRICHLOROETHENE	N/A	N/A	5	ND	U	1	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	100	ND	U	50	ND	U	1
	TRICHLOROFLUOROMETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	100	ND	U	2	ND	U	2	ND	U	200	ND	U	100	ND	U	2
	VINYL CHLORIDE	1	N/A	1	ND	U	1	ND	U	1	ND	U	50	ND	U	1	ND	U	1	ND	U	100	ND	U	50	ND	U	1
	XYLENES	620	N/A	10000	ND	U	3	ND	U	3	**1610**		150	ND	U	3	ND	U	3	**1130**		300	564		150	ND	U	3

Table 5-1
Groundwater Analytical Results
April - June 2012

			LOCATION CODE		KAFB-106074			KAFB-106075			KAFB-106076			KAFB-106077			KAFB-106078			KAFB-106079			KAFB-106080			KAFB-106081		
			SAMPLE NO		GW0581			GW0582			GW0583			GW0584			GW0585			GW0586			GW0587			GW0588		
			SAMPLE DATE		3-May-12			3-May-12			10-May-12			10-May-12			14-May-12			8-May-12			8-May-12			8-May-12		
			SAMPLE PURPOSE		REG			REG			REG			REG			REG			REG			REG			REG		
			SAMPLE DEPTH		570-585 FT			480-500 FT			480-500 FT			504-519 FT			574-589 FT			484-504 FT			504-519 FT			576-589 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[b]	NMED Approved Background[c]	EPA MCLs[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	1000	ND	U	4.9	ND	U	4.81	ND	U	236	ND	U	23.4	ND	U	4.72
	1,2-DIPHENYLHYDRAZINE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	1000	ND	U	4.9	ND	U	4.81	ND	U	236	ND	U	23.4	ND	U	4.72
	1-METHYL NAPHTHALENE	N/A	N/A	30	ND	U	4.72	ND	U	4.72	ND	U	1000	ND	U	4.9	ND	U	4.81	ND	U	236	27.3		23.4	ND	U	4.72
	2,4,5-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	1000	ND	U	4.9	ND	U	4.81	ND	U	236	ND	U	23.4	ND	U	4.72
	2,4,6-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	1000	ND	U	4.9	ND	U	4.81	ND	U	236	ND	U	23.4	ND	U	4.72
	2,4-DICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	1000	ND	U	4.9	ND	U	4.81	ND	U	236	ND	U	23.4	ND	U	4.72
	2,4-DIMETHYLPHENOL	N/A	N/A	N/A	ND	U	18.9	ND	U	18.9	ND	U	4000	ND	U	19.6	ND	U	19.2	ND	U	943	ND	U	93.5	ND	U	18.9
	2,4-DINITROPHENOL	N/A	N/A	N/A	ND	U	47.2	ND	U	47.2	ND	U	10000	ND	U	49	ND	U	48.1	ND	U	2360	ND	U	234	ND	U	47.2
	2,4-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	1000	ND	U	4.9	ND	U	4.81	ND	U	236	ND	U	23.4	ND	U	4.72
	2,6-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	1000	ND	U	4.9	ND	U	4.81	ND	U	236	ND	U	23.4	ND	U	4.72
	2-CHLORONAPHTHALENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	1000	ND	U	4.9	ND	U	4.81	ND	U	236	ND	U	23.4	ND	U	4.72
	2-CHLOROPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	1000	ND	U	4.9	ND	U	4.81	ND	U	236	ND	U	23.4	ND	U	4.72
	2-METHYLNAPHTHALENE	N/A	N/A	30	ND	U	4.72	ND	U	4.72	ND	U	1000	ND	U	4.9	ND	U	4.81	ND	U	236	22.5	J	23.4	ND	U	4.72
	2-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	331	J	1000	ND	U	4.9	ND	U	4.81	ND	U	236	ND	U	23.4	ND	U	4.72
	2-NITROANILINE	N/A	N/A	N/A	ND	U	18.9	ND	U	18.9	ND	U	4000	ND	U	19.6	ND	U	19.2	ND	U	943	ND	U	93.5	ND	U	18.9
	2-NITROPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	1000	ND	U	4.9	ND	U	4.81	ND	U	236	ND	U	23.4	ND	U	4.72
	3,3'-DICHLOROBENZIDINE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	1000	ND	U	4.9	ND	U	4.81	ND	U	236	ND	U	23.4	ND	U	4.72
	3-METHYLPHENOL AND 4-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	289	J	1000	ND	U	4.9	ND	U	4.81	ND	U	236	ND	U	23.4	ND	U	4.72
	3-NITROANILINE	N/A	N/A	N/A	ND	U	18.9	ND	U	18.9	ND	U	4000	ND	U	19.6	ND	U	19.2	ND	U	943	ND	U	93.5	ND	U	18.9
	4,6-DINITRO-2-METHYLPHENOL	N/A	N/A	N/A	ND	U	18.9	ND	U	18.9	ND	U	4000	ND	U	19.6	ND	U	19.2	ND	U	943	ND	U	93.5	ND	U	18.9
	4-BROMOPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	1000	ND	U	4.9	ND	U	4.81	ND	U	236	ND	U	23.4	ND	U	4.72
	4-CHLORO-3-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	1000	ND	U	4.9	ND	U	4.81	ND	U	236	ND	U	23.4	ND	U	4.72
	4-CHLOROANILINE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	1000	ND	U	4.9	ND	U	4.81	ND	U	236	ND	U	23.4	ND	U	4.72
	4-CHLOROPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	1000	ND	U	4.9	ND	U	4.81	ND	U	236	ND	U	23.4	ND	U	4.72
	4-NITROANILINE	N/A	N/A	N/A	ND	U	18.9	ND	U	18.9	ND	U	4000	ND	U	19.6	ND	U	19.2	ND	U	943	ND	U	93.5	ND	U	18.9
	4-NITROPHENOL	N/A	N/A	N/A	ND	U	18.9	ND	U	18.9	ND	U	4000	ND	U	19.6	ND	U	19.2	ND	U	943	ND	U	93.5	ND	U	18.9
	ACENAPHTHENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	1000	ND	U	4.9	ND	U	4.81	ND	U	236	ND	U	23.4	ND	U	4.72
	ACENAPHTHYLENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	1000	ND	U	4.9	ND	U	4.81	ND	U	236	ND	U	23.4	ND	U	4.72
	ACETOPHENONE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	25300		2500	ND	U	4.9	ND	U	4.81	1920	J+	236	203		23.4	ND	U	4.72
	ANTHRACENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	1000	ND	U	4.9	ND	U	4.81	ND	U	236	ND	U	23.4	ND	U	4.72
	ATRAZINE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	1000	ND	U	4.9	ND	U	4.81	ND	U	236	ND	U	23.4	ND	U	4.72
	BENZALDEHYDE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	1000	ND	U	4.9	ND	U	4.81	ND	U	236	ND	U	23.4	ND	U	4.72
	BENZIDINE	N/A	N/A	N/A	ND	U	47.2	ND	U	47.2	ND	U	10000	ND	U	49	ND	U	48.1	ND	U	2360	ND	U	234	ND	U	47.2
	BENZO(A)ANTHRACENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	1000	ND	U	4.9	ND	U	4.81	ND	U	236	ND	U	23.4	ND	U	4.72
	BENZO(A)PYRENE	0.7	N/A	0.2	ND	U	4.72	ND	U	4.72	ND	U	1000	ND	U	4.9	ND	U	4.81	ND	U	236	ND	U	23.4	ND	U	4.72
	BENZO(B)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	1000	ND	U	4.9	ND	U	4.81	ND	U	236	ND	U	23.4	ND	U	4.72
	BENZO(GHI)PERYLENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	1000	ND	U	4.9	ND	U	4.81	ND	U	236	ND	U	23.4	ND	U	4.72
	BENZO(K)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	1000	ND	U	4.9	ND	U	4.81	ND	U	236	ND	U	23.4	ND	U	4.72
	BENZOIC ACID	N/A	N/A	N/A	ND	U	47.2	ND	U	47.2	ND	U	10000	ND	U	49	ND	U	48.1	ND	U	2360	ND	U	234	ND	U	47.2
	BIS(2-CHLOROETHOXY)METHANE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	1000	ND	U	4.9	ND	U	4.81	ND	U	236	ND	U	23.4	ND	U	4.72
	BIS(2-CHLOROETHYL)ETHER	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	1000	ND	U	4.9	ND	U	4.81	ND	U	236	ND	U	23.4	ND	U	4.72
	BIS(2-CHLOROISOPROPYL)ETHER	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	1000	ND	U	4.9	ND	U	4.81	ND	U	236	ND	U	23.4	ND	U	4.72
	BIS(2-ETHYLHEXYL)PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	1000	ND	U	4.9	ND	U	4.81	ND	U	236	ND	U	23.4	ND	U	4.72
	BUTYL BENZYL PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	1000	ND	U	4.9	ND	U	4.81	ND	U	236	ND	U	23.4	ND	U	4.72
	CAPROLACTAM	N/A	N/A	N/A	ND	UJ	4.72	5.51	J-	4.72	ND	UJ	1000	ND	UJ	4.9	ND	UJ	4.81	ND	UJ	236	ND	UJ	23.4	ND	UJ	4.72
	CARBAZOLE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	1000	ND	U	4.9	ND	U	4.81	ND	U	236	ND	U	23.4	ND	U	4.72
	CHRYSENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	1000	ND	U	4.9	ND	U	4.81	ND	U	236	ND	U	23.4	ND	U	4.72
	DIBENZO(A,H)ANTHRACENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	1000	ND	U	4.9	ND	U	4.81	ND	U	236	ND	U	23.4	ND	U	4.72
	DIBENZOFURAN	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	1000	ND	U	4.9	ND	U	4.81	ND	U	236	ND	U	23.4	ND	U	4.72
	DIETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	1000	ND	U	4.9	ND	U	4.81	ND	U	236	ND	U	23.4	ND	U	4.72
	DIMETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	1000	ND	U	4.9	ND	U	4.81	ND	U	236	ND	U	23.4	ND	U	4.72
	DI-N-BUTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	1000	ND	U	4.9	ND	U	4.81	ND	U	236	ND	U	23.4	ND	U	4.72
	DI-N-OCTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	1000	ND	U	4.9	ND	U	4.81	ND	U	236	ND	U	23.4	ND	U	4.72
	FLUORANTHENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	1000	ND	U	4.9	ND	U	4.81	ND	U	236	ND	U	23.4	ND	U	4.72
	FLUORENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	1000	ND	U	4.9	ND	U	4.81	ND	U	236	ND	U	23.4	ND	U	4.72
	HEXACHLOROBENZENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	1000	ND	U	4.9	ND	U	4.81	ND	U	236	ND	U	23.4	ND	U	4.72
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	1000	ND	U	4.9	ND	U	4.81	ND	U	236	ND	U	23.4	ND	U	4.72
	HEXACHLOROCYCLOPENTADIENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	1000	ND	U	4.9	ND	U	4.81	ND	U	236	ND	U	23.4	ND	U	4.72
	HEXACHLOROETHANE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	1000	ND	U	4.9	ND	U	4.81	ND	U	236	ND	U	23.4	ND	U	4.72
	INDENO(1,2,3-CD)PYRENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	1000	ND	U	4.9	ND	U	4.81	ND	U	236	ND	U	23.4	ND	U	4.72
	ISOPHORONE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	1000	ND	U	4.9	ND	U	4.81	ND	U	236	ND	U	23.4	ND	U	4.72
	NAPHTHALENE	N/A	N/A	30	ND	U	4.72	ND	U	4.72	ND	U	1000	ND	U	4.9	ND	U	4.81	**85.8**	J	236	**94.2**		23.4	ND	U	4.72
	NITROBENZENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	1000	ND	U	4.9	ND	U	4.81	ND	U	236	ND	U	23.4	ND	U	4.72
	N-NITROSO-DI-N-PROPYLAMINE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	1000	ND	U	4.9	ND	U	4.81	ND	U	236	ND	U	23.4	ND	U	4.72
	N-NITROSODIPHENYLAMINE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	1000	ND	U	4.9	ND	U	4.81	ND	U	236	ND	U	23.4	ND	U	4.72
	PENTACHLOROPHENOL	N/A	N/A	N/A	ND	U	18.9	ND	U	18.9	ND	U	4000	ND	U	19.6	ND	U	19.2	ND	U	943	ND	U	93.5	ND	U	18.9
	PHENANTHRENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	1000	ND	U	4.9	ND	U	4.81	ND	U	236	ND	U	23.4	ND	U	4.72
	PHENOL	N/A	N/A	5	ND	U	4.72	ND	U	4.72	ND	U	1000	ND	U	4.9	ND	U	4.81	ND	U	236	ND	U	23.4	ND	U	4.72
	PYRENE	N/A	N/A	N/A	ND	U	4.72	ND	U	4.72	ND	U	1000	ND	U	4.9	ND	U	4.81	ND	U	236	ND	U	23.4	ND	U	4.72

Table 5-1
Groundwater Analytical Results
April - June 2012

				LOCATION CODE	KAFB-106074			KAFB-106075			KAFB-106076			KAFB-106077			KAFB-106078			KAFB-106079			KAFB-106080			KAFB-106081		
				SAMPLE NO	GW0581			GW0582			GW0583			GW0584			GW0585			GW0586			GW0587			GW0588		
				SAMPLE DATE	3-May-12			3-May-12			10-May-12			10-May-12			14-May-12			8-May-12			8-May-12			8-May-12		
				SAMPLE PURPOSE	REG			REG			REG			REG			REG			REG			REG			REG		
				SAMPLE DEPTH	570-585 FT			480-500 FT			480-500 FT			504-519 FT			574-589 FT			484-504 FT			504-519 FT			576-589 FT		
Chemical Class & Analytical Method[a]	Parameter	NMED Ground Water Protection Standards (Sec. 20.6.2.3103)[b]	NMED Approved Background[c]	EPA MCLs[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	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	31.9		5	50.8		5	144		5	34.8		5	33.2		5	156		5	146		5	33.9		5
	IRON, DISSOLVED	1	N/A	0.3	ND	U	0.1	ND	U	0.1	**2.86**		0.1	ND	U	0.1	ND	U	0.1	**8.05**		0.1	**2.52**		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	4.47	J	5	7.23		5	21.3		5	4.62	J	5	4.01	J	5	23.1		5	21.8		5	4.44	J	5
	MANGANESE, DISSOLVED	0.2	N/A	0.05	ND	U	0.015	0.0411		0.015	**2.92**		0.015	ND	U	0.015	ND	U	0.015	**5.31**		0.015	**4.87**		0.015	ND	U	0.015
	POTASSIUM	N/A	N/A	N/A	1.93	J	5	2.66	J	5	3.89	J	5	1.97	J	5	1.91	J	5	4.26	J	5	4.18	J	5	2.06	J	5
	SODIUM	N/A	N/A	N/A	21.4		5	25.6		5	56.5		5	21.7		5	21.5		5	44.7		5	43.9		5	21.9		5
Anions (mg/L) Method E300.0	CHLORIDE	250	N/A	250	7.32		0.5	13.7		0.5	52.6		0.5	7.74		0.5	7.35		0.5	143		0.5	119		1	7.45		1
	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	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	31.2		2	112		2.5	28.6		2.5	27.3		2.5	ND	U	2.5	20.3		2.5	29		2.5
	SULFIDE, TOTAL (Method 4500S2CF)	N/A	N/A	N/A	ND	U	3.45	0.83	J	3.45	ND	U	3.7	ND	U	3.7	ND	U	3.39	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	102		1	145		1	253		1	104		1	94.6		1	345		1	343		1	100		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	18.41			18.59			23.86			19.27			19.64			18.86			19.08			18.65		
	pH (S.U.)	N/A	N/A	N/A	7.94			7.63			6.98			7.79			7.83			6.77			6.82			7.84		
	Spec Cond (µS/cm2)	N/A	N/A	N/A	231.4			318.8			865.6			294.3			279.9			1085			1006			274.1		
	DO (mg/L)	N/A	N/A	N/A	3.78			2.02			0.52			6.83			2.81			0.04			0.07			4.12		
	ORP (mV)	N/A	N/A	N/A	195			174			-184			215			195			-158			-228			164		
	Turbidity (NTU)	N/A	N/A	N/A	1.22			0.61			4.56			0.51			3.78			1.33			1.51			0.22		
	Alkalinity (mg/L as CaCO3)	N/A	N/A	N/A	117			140			296			104			112			3.52			224			108		

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

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Table 5-1
Groundwater Analytical Results
April - June 2012

			LOCATION CODE		KAFB-106081			KAFB-106082			KAFB-106083			KAFB-106084			KAFB-106085			KAFB-106086			KAFB-106087			KAFB-106088		
			SAMPLE NO		GW0589			GW0590			GW0591			GW0592			GW0593			GW0594			GW0595			GW0596		
			SAMPLE DATE		8-May-12			9-Apr-12			9-Apr-12			9-Apr-12			26-Apr-12			26-Apr-12			26-Apr-12			10-Apr-12		
			SAMPLE PURPOSE		FD			REG			REG			REG			REG			REG			REG			REG		
			SAMPLE DEPTH		576-589 FT			472-492 FT			495-510 FT			566-581 FT			460-480 FT			476-491 FT			546-561 FT			460-480 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)	DIESEL RANGE ORGANICS	N/A	N/A	N/A	ND	U	370	4910		100	4700		111	ND	U	98	983		377	445		392	ND	U	385	ND	U	99
Method 8015B	GASOLINE RANGE ORGANICS	N/A	N/A	N/A	ND	U	150	1280		150	1770		150	ND	U	150	298		150	234		150	136	J	150	ND	U	150
VOCs (µg/L)	1,1,1,2-TETRACHLOROETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
Method 8260B	1,1,1-TRICHLOROETHANE	60	N/A	60	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	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	2	ND	U	1	ND	U	1	ND	U	1	ND	U	2	ND	U	2	ND	U	2	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	2	ND	U	1	ND	U	1	ND	U	1	ND	U	2	ND	U	2	ND	U	2	ND	U	1
	1,2,4-TRIMETHYLBENZENE	N/A	N/A	N/A	ND	U	1	39.4		1	58.9		1	0.29	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 (Method 8011)	0.1	N/A	0.05	ND	U	0.0284	**0.583**		0.0283	**0.101**	J	0.0284	ND	U	0.0285	**0.0619**		0.0285	**0.622**		0.0284	ND	U	0.0282	**0.312**		0.0282
	1,2-DIBROMOETHANE	0.1	N/A	0.05	ND	U	1	**0.55**	J	1	ND	U	1	ND	U	1	ND	U	1	**0.57**	J	1	ND	U	1	**0.34**	J	1
	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	2.25		1	2.81		1	ND	U	1	1.63		1	0.95	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	12.3		1	25.5		1	ND	U	1	1.17		1	0.8	J	1	ND	U	1	ND	U	1
	1,3-DICHLOROBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	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	UJ	10	13.2		10	17.3		10	ND	U	10	10.3		10	7.43	J	10	ND	U	10	4.64	J	10
	BENZENE	10	N/A	5	ND	U	1	1.93		1	3.06		1	ND	U	1	0.34	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	1.01		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	UJ	2	ND	UJ	2	ND	UJ	2	ND	U	2	ND	UJ	2	ND	UJ	2	ND	UJ	2
	CARBON DISULFIDE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	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	U	1	ND	U	1	ND	UJ	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	1.87		1	5.38		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	2	ND	U	1	ND	U	1	ND	U	1	ND	U	2	ND	U	2	ND	U	2	ND	U	1
	ISOPROPYLBENZENE	N/A	N/A	N/A	ND	U	1	14.8		1	34.8		1	ND	U	1	0.41	J	1	1.83		1	ND	U	1	0.42	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	2	1.09		1	2.16		1	ND	U	1	ND	U	2	ND	U	2	ND	U	2	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	3.75		1	19		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	0.86	J	1	1.8		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	1.14		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	99		3	143		3	ND	U	3	ND	U	3	ND	U	3	ND	U	3	ND	U	3

Table 5-1
Groundwater Analytical Results
April - June 2012

			LOCATION CODE		KAFB-106081			KAFB-106082			KAFB-106083			KAFB-106084			KAFB-106085			KAFB-106086			KAFB-106087			KAFB-106088		
			SAMPLE NO		GW0589			GW0590			GW0591			GW0592			GW0593			GW0594			GW0595			GW0596		
			SAMPLE DATE		8-May-12			9-Apr-12			9-Apr-12			9-Apr-12			26-Apr-12			26-Apr-12			26-Apr-12			10-Apr-12		
			SAMPLE PURPOSE		FD			REG			REG			REG			REG			REG			REG			REG		
			SAMPLE DEPTH		576-589 FT			472-492 FT			495-510 FT			566-581 FT			460-480 FT			476-491 FT			546-561 FT			460-480 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	5.26	ND	U	5.26	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	5
	1,2-DIPHENYLHYDRAZINE	N/A	N/A	N/A	ND	U	4.72	ND	U	5.26	ND	U	5.26	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	5
	1-METHYL NAPHTHALENE	N/A	N/A	30	ND	U	4.72	2.76	J	5.26	6.19		5.26	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	5
	2,4,5-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	5.26	ND	U	5.26	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	5
	2,4,6-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	5.26	ND	U	5.26	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	5
	2,4-DICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	5.26	ND	U	5.26	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	5
	2,4-DIMETHYLPHENOL	N/A	N/A	N/A	ND	U	18.9	ND	U	21.1	ND	U	21.1	ND	U	20	ND	U	19.2	ND	U	19.2	ND	U	18.9	ND	U	20
	2,4-DINITROPHENOL	N/A	N/A	N/A	ND	U	47.2	ND	U	52.6	ND	U	52.6	ND	U	50	ND	U	48.1	ND	U	48.1	ND	U	47.2	ND	U	50
	2,4-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.72	ND	U	5.26	ND	U	5.26	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	5
	2,6-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.72	ND	U	5.26	ND	U	5.26	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	5
	2-CHLORONAPHTHALENE	N/A	N/A	N/A	ND	U	4.72	ND	U	5.26	ND	U	5.26	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	5
	2-CHLOROPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	5.26	ND	U	5.26	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	5
	2-METHYLNAPHTHALENE	N/A	N/A	30	ND	U	4.72	1.62	J	5.26	3.87	J	5.26	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	5
	2-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	5.26	2.59	J	5.26	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	5
	2-NITROANILINE	N/A	N/A	N/A	ND	U	18.9	ND	U	21.1	ND	U	21.1	ND	U	20	ND	U	19.2	ND	U	19.2	ND	U	18.9	ND	U	20
	2-NITROPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	5.26	ND	U	5.26	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	5
	3,3'-DICHLOROBENZIDINE	N/A	N/A	N/A	ND	U	4.72	ND	U	5.26	ND	U	5.26	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	5
	3-METHYLPHENOL AND 4-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.72	6		5.26	7.96		5.26	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	5
	3-NITROANILINE	N/A	N/A	N/A	ND	U	18.9	ND	U	21.1	ND	U	21.1	ND	U	20	ND	U	19.2	ND	U	19.2	ND	U	18.9	ND	U	20
	4,6-DINITRO-2-METHYLPHENOL	N/A	N/A	N/A	ND	U	18.9	ND	U	21.1	ND	U	21.1	ND	U	20	ND	U	19.2	ND	U	19.2	ND	U	18.9	ND	U	20
	4-BROMOPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.72	ND	U	5.26	ND	U	5.26	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	5
	4-CHLORO-3-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.72	ND	U	5.26	ND	U	5.26	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	5
	4-CHLOROANILINE	N/A	N/A	N/A	ND	U	4.72	ND	U	5.26	ND	U	5.26	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	5
	4-CHLOROPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.72	ND	U	5.26	ND	U	5.26	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	5
	4-NITROANILINE	N/A	N/A	N/A	ND	U	18.9	ND	U	21.1	ND	U	21.1	ND	U	20	ND	U	19.2	ND	U	19.2	ND	U	18.9	ND	U	20
	4-NITROPHENOL	N/A	N/A	N/A	ND	U	18.9	ND	U	21.1	ND	U	21.1	ND	U	20	ND	U	19.2	ND	U	19.2	ND	U	18.9	ND	U	20
	ACENAPHTHENE	N/A	N/A	N/A	ND	U	4.72	ND	U	5.26	ND	U	5.26	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	5
	ACENAPHTHYLENE	N/A	N/A	N/A	ND	U	4.72	ND	U	5.26	ND	U	5.26	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	5
	ACETOPHENONE	N/A	N/A	N/A	ND	U	4.72	ND	U	5.26	ND	U	5.26	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	5
	ANTHRACENE	N/A	N/A	N/A	ND	U	4.72	ND	U	5.26	ND	U	5.26	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	5
	ATRAZINE	N/A	N/A	N/A	ND	U	4.72	ND	U	5.26	ND	U	5.26	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	5
	BENZALDEHYDE	N/A	N/A	N/A	ND	U	4.72	ND	U	5.26	ND	U	5.26	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	5
	BENZIDINE	N/A	N/A	N/A	ND	U	47.2	ND	U	52.6	ND	U	52.6	ND	U	50	ND	U	48.1	ND	U	48.1	ND	U	47.2	ND	U	50
	BENZO(A)ANTHRACENE	N/A	N/A	N/A	ND	U	4.72	ND	U	5.26	ND	U	5.26	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	5
	BENZO(A)PYRENE	0.7	N/A	0.2	ND	U	4.72	ND	U	5.26	ND	U	5.26	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	5
	BENZO(B)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.72	ND	U	5.26	ND	U	5.26	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	5
	BENZO(GHI)PERYLENE	N/A	N/A	N/A	ND	U	4.72	ND	U	5.26	ND	U	5.26	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	5
	BENZO(K)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.72	ND	U	5.26	ND	U	5.26	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	5
	BENZOIC ACID	N/A	N/A	N/A	ND	U	47.2	ND	U	52.6	ND	U	52.6	ND	U	50	ND	U	48.1	ND	U	48.1	ND	U	47.2	ND	U	50
	BIS(2-CHLOROETHOXY)METHANE	N/A	N/A	N/A	ND	U	4.72	ND	U	5.26	ND	U	5.26	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	5
	BIS(2-CHLOROETHYL)ETHER	N/A	N/A	N/A	ND	U	4.72	ND	U	5.26	ND	U	5.26	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	5
	BIS(2-CHLOROISOPROPYL)ETHER	N/A	N/A	N/A	ND	U	4.72	ND	U	5.26	ND	U	5.26	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	5
	BIS(2-ETHYLHEXYL)PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	5.26	ND	U	5.26	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	5
	BUTYL BENZYL PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	5.26	ND	U	5.26	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	5
	CAPROLACTAM	N/A	N/A	N/A	ND	UJ	4.72	ND	U	5.26	ND	U	5.26	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	5
	CARBAZOLE	N/A	N/A	N/A	ND	U	4.72	ND	U	5.26	ND	U	5.26	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	5
	CHRYSENE	N/A	N/A	N/A	ND	U	4.72	ND	U	5.26	ND	U	5.26	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	5
	DIBENZO(A,H)ANTHRACENE	N/A	N/A	N/A	ND	U	4.72	ND	U	5.26	ND	U	5.26	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	5
	DIBENZOFURAN	N/A	N/A	N/A	ND	U	4.72	ND	U	5.26	ND	U	5.26	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	5
	DIETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	5.26	ND	U	5.26	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	5
	DIMETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	5.26	ND	U	5.26	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	5
	DI-N-BUTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	5.26	ND	U	5.26	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	5
	DI-N-OCTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.72	ND	U	5.26	ND	U	5.26	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	5
	FLUORANTHENE	N/A	N/A	N/A	ND	U	4.72	ND	U	5.26	ND	U	5.26	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	5
	FLUORENE	N/A	N/A	N/A	ND	U	4.72	ND	U	5.26	ND	U	5.26	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	5
	HEXACHLOROBENZENE	N/A	N/A	N/A	ND	U	4.72	ND	U	5.26	ND	U	5.26	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	5
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	4.72	ND	U	5.26	ND	U	5.26	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	5
	HEXACHLOROCYCLOPENTADIENE	N/A	N/A	N/A	ND	U	4.72	ND	U	5.26	ND	U	5.26	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	5
	HEXACHLOROETHANE	N/A	N/A	N/A	ND	U	4.72	ND	U	5.26	ND	U	5.26	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	5
	INDENO(1,2,3-CD)PYRENE	N/A	N/A	N/A	ND	U	4.72	ND	U	5.26	ND	U	5.26	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	5
	ISOPHORONE	N/A	N/A	N/A	ND	U	4.72	1.72	J	5.26	2.32	J	5.26	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	5
	NAPHTHALENE	N/A	N/A	30	ND	U	4.72	ND	U	5.26	ND	U	5.26	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	5
	NITROBENZENE	N/A	N/A	N/A	ND	U	4.72	ND	U	5.26	ND	U	5.26	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	5
	N-NITROSO-DI-N-PROPYLAMINE	N/A	N/A	N/A	ND	U	4.72	ND	U	5.26	ND	U	5.26	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	5
	N-NITROSODIPHENYLAMINE	N/A	N/A	N/A	ND	U	4.72	ND	U	5.26	ND	U	5.26	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	5
	PENTACHLOROPHENOL	N/A	N/A	N/A	ND	U	18.9	ND	U	21.1	ND	U	21.1	ND	U	20	ND	U	19.2	ND	U	19.2	ND	U	18.9	ND	U	20
	PHENANTHRENE	N/A	N/A	N/A	ND	U	4.72	ND	U	5.26	ND	U	5.26	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	5
	PHENOL	N/A	N/A	5	ND	U	4.72	ND	U	5.26	ND	U	5.26	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	5
	PYRENE	N/A	N/A	N/A	ND	U	4.72	ND	U	5.26	ND	U	5.26	ND	U	5	ND	U	4.81	ND	U	4.81	ND	U	4.72	ND	U	5

Table 5-1
Groundwater Analytical Results
April - June 2012

			LOCATION CODE		KAFB-106081			KAFB-106082			KAFB-106083			KAFB-106084			KAFB-106085			KAFB-106086			KAFB-106087			KAFB-106088		
			SAMPLE NO		GW0589			GW0590			GW0591			GW0592			GW0593			GW0594			GW0595			GW0596		
			SAMPLE DATE		8-May-12			9-Apr-12			9-Apr-12			9-Apr-12			26-Apr-12			26-Apr-12			26-Apr-12			10-Apr-12		
			SAMPLE PURPOSE		FD			REG			REG			REG			REG			REG			REG			REG		
			SAMPLE DEPTH		576-589 FT			472-492 FT			495-510 FT			566-581 FT			460-480 FT			476-491 FT			546-561 FT			460-480 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	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	34.8		5	59.6		5	86.8		5	35.8		5	82.7		5	49.8		5	33.9		5	47.7		5
	IRON, DISSOLVED	1	N/A	0.3	ND	U	0.1	**0.502**		0.1	0.142		0.1	ND	U	0.1	0.0424	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	4.55	J	5	8.28		5	11.4		5	4.68	J	5	11.6		5	6.51		5	4.56	J	5	6.19		5
	MANGANESE, DISSOLVED	0.2	N/A	0.05	ND	U	0.015	**0.922**		0.015	**0.497**		0.015	ND	U	0.015	**0.569**		0.015	0.0336		0.015	ND	U	0.015	0.00569	J	0.015
	POTASSIUM	N/A	N/A	N/A	2.11	J	5	2.71	J	5	3.15	J	5	2.12	J	5	3.25	J	5	2.57	J	5	1.99	J	5	2.32	J	5
	SODIUM	N/A	N/A	N/A	22.4		5	27.4		5	32.1		5	22.1		5	31.5		5	25.1		5	21.6		5	24.4		5
Anions (mg/L) Method E300.0	CHLORIDE	250	N/A	250	7.46		1	29.5		0.5	80		0.5	7.18		0.5	104		0.5	33		0.5	7.4		0.5	14.8		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	ND	U	1.5	0.708	J	1.5	ND	U	1.5	ND	U	1.5	ND	U	1.5
	SULFATE	600	N/A	250	29.1		2.5	50.4		2	79.5		2	28		2	44		2	37.4		2	28.1		2	33.2		2
	SULFIDE, TOTAL (Method 4500S2CF)	N/A	N/A	N/A	ND	U	3.45	ND	U	3.45	ND	U	3.45	ND	U	3.45	ND	U	3.7	ND	U	3.39	ND	U	3.39	ND	U	3.45
Alkalinity (mg/L) Method SM2320B	ALKALINITY, BICARBONATE (AS CACO3)	N/A	N/A	N/A	93.4		1	127		1	114		1	106		1	116		1	108		1	104		1	130		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	N/A			18.38			18.71			19.3			19.3			19.2			19.22			18.8		
	pH (S.U.)	N/A	N/A	N/A	N/A			7.67			7.51			7.9			7.46			7.65			7.91			7.88		
	Spec Cond (µS/cm2)	N/A	N/A	N/A	N/A			456.4			649.8			282.2			581.2			356.6			246.8			375.9		
	DO (mg/L)	N/A	N/A	N/A	N/A			0.15			1.9			7.23			0.12			4.35			NM			2.33		
	ORP (mV)	N/A	N/A	N/A	N/A			-173			-46			156			-6			188			211			60		
	Turbidity (NTU)	N/A	N/A	N/A	N/A			0.72			0.76			0.55			0.38			0.45			0.6			0.47		
	Alkalinity (mg/L as CaCO3)	N/A	N/A	N/A	N/A			NR			144			118			105			120			110			148		

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

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Table 5-1
Groundwater Analytical Results
April - June 2012

			LOCATION CODE		KAFB-106089			KAFB-106090			KAFB-106091			KAFB-106091			KAFB-106092			KAFB-106093			KAFB-106094			KAFB-106095		
			SAMPLE NO		GW0597			GW0598			GW0599			GW0600			GW0601			GW0602			GW0603			GW0604		
			SAMPLE DATE		10-Apr-12			10-Apr-12			9-May-12			9-May-12			1-May-12			1-May-12			19-Apr-12			9-Apr-12		
			SAMPLE PURPOSE		REG			REG			REG			FD			REG			REG			REG			REG		
			SAMPLE DEPTH		482-497 FT			555-570 FT			454-474 FT			454-474 FT			474-487 FT			544-557 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)	DIESEL RANGE ORGANICS	N/A	N/A	N/A	ND	U	98	ND	U	100	900		377	819		377	2270		392	ND	U	385	2190		98	ND	U	98
Method 8015B	GASOLINE RANGE ORGANICS	N/A	N/A	N/A	ND	U	150	ND	U	150	406		150	432		150	1060		150	ND	U	150	316		150	ND	U	150
VOCs (µg/L)	1,1,1,2-TETRACHLOROETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	5	ND	U	1	ND	U	5	ND	U	1
Method 8260B	1,1,1-TRICHLOROETHANE	60	N/A	60	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	5	ND	U	1	ND	U	5	ND	U	1
	1,1,2,2-TETRACHLOROETHANE	10	N/A	10	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	5	ND	U	1	ND	U	5	ND	U	1
	1,1,2-TRICHLOROETHANE	100	N/A	5	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	5	ND	U	1	ND	U	5	ND	U	1
	1,1-DICHLOROETHANE	25	N/A	25	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	5	ND	U	1	ND	U	5	ND	U	1
	1,1-DICHLOROETHENE	5	N/A	5	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	5	ND	U	1	ND	U	5	ND	U	1
	1,1-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	5	ND	U	1	ND	U	5	ND	U	1
	1,2,3-TRICHLOROBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	10	ND	U	10	ND	U	10	ND	U	2	ND	U	5	ND	U	1
	1,2,3-TRICHLOROPROPANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	10	ND	U	10	ND	U	10	ND	U	2	ND	U	10	ND	U	2
	1,2,4-TRICHLOROBENZENE	N/A	N/A	70	ND	U	1	ND	U	1	ND	U	10	ND	U	10	ND	U	10	ND	U	2	ND	U	5	ND	U	1
	1,2,4-TRIMETHYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	5	ND	U	1	ND	U	5	ND	U	1
	1,2-DIBROMO-3-CHLOROPROPANE	N/A	N/A	0.2	ND	U	2	ND	U	2	ND	U	10	ND	U	10	ND	U	10	ND	U	2	ND	U	10	ND	U	2
	1,2-DIBROMOETHANE (Method 8011)	0.1	N/A	0.05	**0.344**	J-	0.0281	ND	U	0.0282	**0.0626**		0.0284	**0.0628**		0.0284	**0.0971**		0.0281	ND	U	0.028	**0.351**		0.0285	ND	U	0.0286
	1,2-DIBROMOETHANE	0.1	N/A	0.05	**0.38**	J	1	ND	U	1	ND	U	5	ND	U	5	ND	U	5	ND	U	1	ND	U	5	ND	U	1
	1,2-DICHLOROBENZENE	N/A	N/A	600	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	5	ND	U	1	ND	U	5	ND	U	1
	1,2-DICHLOROETHANE	10	N/A	5	ND	U	1	ND	U	1	1.5	J	5	1.55	J	5	2.7	J	5	ND	U	1	ND	U	5	ND	U	1
	1,2-DICHLOROPROPANE	N/A	N/A	5	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	5	ND	U	1	ND	U	5	ND	U	1
	1,3,5-TRIMETHYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	5	ND	U	5	1.45	J	5	ND	U	1	ND	U	5	ND	U	1
	1,3-DICHLOROBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	5	ND	U	1	ND	U	5	ND	U	1
	1,3-DICHLOROPROPANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	5	ND	U	1	ND	U	5	ND	U	1
	1,4-DICHLOROBENZENE	N/A	N/A	75	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	5	ND	U	1	ND	U	5	ND	U	1
	2,2-DICHLOROPROPANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	5	ND	U	1	ND	U	5	ND	U	1
	2-BUTANONE	N/A	N/A	N/A	ND	U	10	ND	U	10	ND	U	50	ND	U	50	ND	U	50	ND	U	10	ND	U	50	ND	U	10
	2-CHLOROTOLUENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	5	ND	U	1	ND	U	5	ND	U	1
	2-HEXANONE	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	25	ND	U	25	ND	U	25	ND	U	5	ND	U	25	ND	U	5
	4-CHLOROTOLUENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	5	ND	U	1	ND	U	5	ND	U	1
	4-METHYL-2-PENTANONE	N/A	N/A	N/A	ND	U	5	ND	U	5	ND	U	25	ND	U	25	ND	U	25	ND	U	5	ND	U	25	ND	U	5
	ACETONE	N/A	N/A	N/A	ND	U	10	ND	U	10	89		50	104		50	23.9	J	50	ND	U	10	80.7		50	3.01	J	10
	BENZENE	10	N/A	5	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	5	ND	U	1	**14.8**		5	ND	U	1
	BROMOBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	5	ND	U	1	ND	U	5	ND	U	1
	BROMOCHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	5	ND	U	1	ND	U	5	ND	U	1
	BROMODICHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	5	ND	U	1	ND	U	5	ND	U	1
	BROMOFORM	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	5	ND	U	1	ND	U	5	ND	U	1
	BROMOMETHANE	N/A	N/A	N/A	ND	UJ	2	ND	UJ	2	ND	U	10	ND	U	10	ND	UJ	10	ND	U	2	ND	U	10	ND	UJ	2
	CARBON DISULFIDE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	5	ND	U	1	2.6	J	5	ND	U	1
	CARBON TETRACHLORIDE	10	N/A	5	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	5	ND	U	1	ND	U	5	ND	U	1
	CHLOROBENZENE	N/A	N/A	100	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	5	ND	U	1	ND	U	5	ND	U	1
	CHLOROETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	10	ND	U	10	ND	U	10	ND	U	2	ND	U	10	ND	U	2
	CHLOROFORM	100	N/A	100	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	5	ND	U	1	ND	U	5	ND	U	1
	CHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	5	ND	U	1	ND	U	5	ND	U	1
	CIS-1,2-DICHLOROETHENE	N/A	N/A	70	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	5	ND	U	1	ND	U	5	ND	U	1
	CIS-1,3-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	5	ND	U	1	ND	U	5	ND	U	1
	DIBROMOCHLOROMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	5	ND	U	1	ND	U	5	ND	U	1
	DIBROMOMETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	5	ND	U	1	ND	U	5	ND	U	1
	DICHLORODIFLUOROMETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	10	ND	U	10	ND	U	10	ND	U	2	ND	U	10	ND	U	2
	ETHYLBENZENE	750	N/A	700	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	5	ND	U	1	ND	U	5	ND	U	1
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	10	ND	U	10	ND	U	10	ND	UJ	2	ND	U	5	ND	U	1
	ISOPROPYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	5	ND	U	5	5.25		5	ND	U	1	ND	U	5	ND	U	1
	METHYL TERT-BUTYL ETHER	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	5	ND	U	1	ND	U	5	ND	U	1
	METHYLENE CHLORIDE	100	N/A	5	ND	U	2	ND	U	2	ND	U	10	ND	U	10	ND	U	10	ND	U	2	ND	U	10	ND	U	2
	NAPHTHALENE	N/A	N/A	30	ND	U	1	ND	U	1	ND	U	10	ND	U	10	ND	U	10	ND	U	2	ND	U	5	ND	U	1
	N-BUTYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	5	ND	U	1	ND	U	5	ND	U	1
	N-PROPYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	5	ND	U	1	ND	U	5	ND	U	1
	P-ISOPROPYLTOLUENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	5	ND	U	1	ND	U	5	ND	U	1
	SEC-BUTYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	5	ND	U	1	ND	U	5	ND	U	1
	STYRENE	N/A	N/A	100	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	5	ND	U	1	ND	U	5	ND	U	1
	TERT-BUTYLBENZENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	5	ND	U	1	ND	U	5	ND	U	1
	TETRACHLOROETHENE	N/A	N/A	5	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	5	ND	U	1	ND	U	5	ND	U	1
	TOLUENE	750	N/A	750	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	5	ND	U	1	ND	U	5	0.39	J	1
	TRANS-1,2-DICHLOROETHENE	N/A	N/A	100	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	5	ND	U	1	ND	U	5	ND	U	1
	TRANS-1,3-DICHLOROPROPENE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	5	ND	U	1	ND	U	5	ND	U	1
	TRICHLOROETHENE	N/A	N/A	5	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	5	ND	U	1	ND	U	5	ND	U	1
	TRICHLOROFLUOROMETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	10	ND	U	10	ND	U	10	ND	U	2	ND	U	10	ND	U	2
	VINYL CHLORIDE	1	N/A	1	ND	U	1	ND	U	1	ND	U	5	ND	U	5	ND	U	5	ND	U	1	ND	U	5	ND	U	1
	XYLENES	620	N/A	10000	ND	U	3	ND	U	3	ND	U	15	ND	U	15	ND	U	15	ND	U	3	ND	U	15	ND	U	3

Table 5-1
Groundwater Analytical Results
April - June 2012

			LOCATION CODE		KAFB-106089			KAFB-106090			KAFB-106091			KAFB-106091			KAFB-106092			KAFB-106093			KAFB-106094			KAFB-106095		
			SAMPLE NO		GW0597			GW0598			GW0599			GW0600			GW0601			GW0602			GW0603			GW0604		
			SAMPLE DATE		10-Apr-12			10-Apr-12			9-May-12			9-May-12			1-May-12			1-May-12			19-Apr-12			9-Apr-12		
			SAMPLE PURPOSE		REG			REG			REG			FD			REG			REG			REG			REG		
			SAMPLE DEPTH		482-497 FT			555-570 FT			454-474 FT			454-474 FT			474-487 FT			544-557 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	4.81	ND	U	5.56	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.85
	1,2-DIPHENYLHYDRAZINE	N/A	N/A	N/A	ND	U	4.81	ND	U	5.56	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.85
	1-METHYL NAPHTHALENE	N/A	N/A	30	ND	U	4.81	ND	U	5.56	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.85
	2,4,5-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.81	ND	U	5.56	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.85
	2,4,6-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.81	ND	U	5.56	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.85
	2,4-DICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.81	ND	U	5.56	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.85
	2,4-DIMETHYLPHENOL	N/A	N/A	N/A	ND	U	19.2	ND	U	22.2	ND	U	18.9	ND	U	18.7	ND	U	19.6	ND	U	18.9	ND	U	20	ND	U	19.4
	2,4-DINITROPHENOL	N/A	N/A	N/A	ND	U	48.1	ND	U	55.6	ND	U	47.2	ND	U	46.7	ND	U	49	ND	U	47.2	ND	U	50	ND	U	48.5
	2,4-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.81	ND	U	5.56	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.85
	2,6-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.81	ND	U	5.56	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.85
	2-CHLORONAPHTHALENE	N/A	N/A	N/A	ND	U	4.81	ND	U	5.56	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.85
	2-CHLOROPHENOL	N/A	N/A	N/A	ND	U	4.81	ND	U	5.56	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.85
	2-METHYLNAPHTHALENE	N/A	N/A	30	ND	U	4.81	ND	U	5.56	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.85
	2-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.81	ND	U	5.56	ND	U	4.72	ND	U	4.67	1.36	J	4.9	ND	U	4.72	ND	U	5	ND	U	4.85
	2-NITROANILINE	N/A	N/A	N/A	ND	U	19.2	ND	U	22.2	ND	U	18.9	ND	U	18.7	ND	U	19.6	ND	U	18.9	ND	U	20	ND	U	19.4
	2-NITROPHENOL	N/A	N/A	N/A	ND	U	4.81	ND	U	5.56	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.85
	3,3'-DICHLOROBENZIDINE	N/A	N/A	N/A	ND	U	4.81	ND	U	5.56	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.85
	3-METHYLPHENOL AND 4-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.81	ND	U	5.56	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	4.72	13.4		5	ND	U	4.85
	3-NITROANILINE	N/A	N/A	N/A	ND	U	19.2	ND	U	22.2	ND	U	18.9	ND	U	18.7	ND	U	19.6	ND	U	18.9	ND	U	20	ND	U	19.4
	4,6-DINITRO-2-METHYLPHENOL	N/A	N/A	N/A	ND	U	19.2	ND	U	22.2	ND	U	18.9	ND	U	18.7	ND	U	19.6	ND	U	18.9	ND	U	20	ND	U	19.4
	4-BROMOPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.81	ND	U	5.56	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.85
	4-CHLORO-3-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.81	ND	U	5.56	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.85
	4-CHLOROANILINE	N/A	N/A	N/A	ND	U	4.81	ND	U	5.56	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.85
	4-CHLOROPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.81	ND	U	5.56	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.85
	4-NITROANILINE	N/A	N/A	N/A	ND	U	19.2	ND	U	22.2	ND	U	18.9	ND	U	18.7	ND	U	19.6	ND	U	18.9	ND	U	20	ND	U	19.4
	4-NITROPHENOL	N/A	N/A	N/A	ND	U	19.2	ND	U	22.2	ND	U	18.9	ND	U	18.7	ND	U	19.6	ND	U	18.9	ND	U	20	ND	U	19.4
	ACENAPHTHENE	N/A	N/A	N/A	ND	U	4.81	ND	U	5.56	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.85
	ACENAPHTHYLENE	N/A	N/A	N/A	ND	U	4.81	ND	U	5.56	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.85
	ACETOPHENONE	N/A	N/A	N/A	ND	U	4.81	ND	U	5.56	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.85
	ANTHRACENE	N/A	N/A	N/A	ND	U	4.81	ND	U	5.56	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.85
	ATRAZINE	N/A	N/A	N/A	ND	U	4.81	ND	U	5.56	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.85
	BENZALDEHYDE	N/A	N/A	N/A	ND	U	4.81	ND	U	5.56	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.85
	BENZIDINE	N/A	N/A	N/A	ND	U	48.1	ND	U	55.6	ND	U	47.2	ND	U	46.7	ND	U	49	ND	U	47.2	ND	U	50	ND	U	48.5
	BENZO(A)ANTHRACENE	N/A	N/A	N/A	ND	U	4.81	ND	U	5.56	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.85
	BENZO(A)PYRENE	0.7	N/A	0.2	ND	U	4.81	ND	U	5.56	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.85
	BENZO(B)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.81	ND	U	5.56	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.85
	BENZO(GHI)PERYLENE	N/A	N/A	N/A	ND	U	4.81	ND	U	5.56	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.85
	BENZO(K)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.81	ND	U	5.56	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.85
	BENZOIC ACID	N/A	N/A	N/A	ND	U	48.1	ND	U	55.6	ND	U	47.2	ND	U	46.7	ND	U	49	ND	U	47.2	ND	U	50	ND	U	48.5
	BIS(2-CHLOROETHOXY)METHANE	N/A	N/A	N/A	ND	U	4.81	ND	U	5.56	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.85
	BIS(2-CHLOROETHYL)ETHER	N/A	N/A	N/A	ND	U	4.81	ND	U	5.56	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.85
	BIS(2-CHLOROISOPROPYL)ETHER	N/A	N/A	N/A	ND	U	4.81	ND	U	5.56	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.85
	BIS(2-ETHYLHEXYL)PHTHALATE	N/A	N/A	N/A	ND	U	4.81	ND	U	5.56	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.85
	BUTYL BENZYL PHTHALATE	N/A	N/A	N/A	ND	U	4.81	ND	U	5.56	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.85
	CAPROLACTAM	N/A	N/A	N/A	ND	U	4.81	ND	U	5.56	ND	UJ	4.72	ND	UJ	4.67	ND	UJ	4.9	ND	U	4.72	ND	UJ	5	ND	U	4.85
	CARBAZOLE	N/A	N/A	N/A	ND	U	4.81	ND	U	5.56	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.85
	CHRYSENE	N/A	N/A	N/A	ND	U	4.81	ND	U	5.56	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.85
	DIBENZO(A,H)ANTHRACENE	N/A	N/A	N/A	ND	U	4.81	ND	U	5.56	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.85
	DIBENZOFURAN	N/A	N/A	N/A	ND	U	4.81	ND	U	5.56	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.85
	DIETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.81	ND	U	5.56	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.85
	DIMETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.81	ND	U	5.56	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.85
	DI-N-BUTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.81	ND	U	5.56	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.85
	DI-N-OCTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.81	ND	U	5.56	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.85
	FLUORANTHENE	N/A	N/A	N/A	ND	U	4.81	ND	U	5.56	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.85
	FLUORENE	N/A	N/A	N/A	ND	U	4.81	ND	U	5.56	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.85
	HEXACHLOROBENZENE	N/A	N/A	N/A	ND	U	4.81	ND	U	5.56	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.85
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	4.81	ND	U	5.56	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.85
	HEXACHLOROCYCLOPENTADIENE	N/A	N/A	N/A	ND	U	4.81	ND	U	5.56	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.85
	HEXACHLOROETHANE	N/A	N/A	N/A	ND	U	4.81	ND	U	5.56	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.85
	INDENO(1,2,3-CD)PYRENE	N/A	N/A	N/A	ND	U	4.81	ND	U	5.56	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.85
	ISOPHORONE	N/A	N/A	N/A	ND	U	4.81	ND	U	5.56	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.85
	NAPHTHALENE	N/A	N/A	30	ND	U	4.81	ND	U	5.56	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.85
	NITROBENZENE	N/A	N/A	N/A	ND	U	4.81	ND	U	5.56	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.85
	N-NITROSO-DI-N-PROPYLAMINE	N/A	N/A	N/A	ND	U	4.81	ND	U	5.56	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.85
	N-NITROSODIPHENYLAMINE	N/A	N/A	N/A	ND	U	4.81	ND	U	5.56	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.85
	PENTACHLOROPHENOL	N/A	N/A	N/A	ND	U	19.2	ND	U	22.2	ND	U	18.9	ND	U	18.7	ND	U	19.6	ND	U	18.9	ND	U	20	ND	U	19.4
	PHENANTHRENE	N/A	N/A	N/A	ND	U	4.81	ND	U	5.56	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.85
	PHENOL	N/A	N/A	5	ND	U	4.81	ND	U	5.56	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.85
	PYRENE	N/A	N/A	N/A	ND	U	4.81	ND	U	5.56	ND	U	4.72	ND	U	4.67	ND	U	4.9	ND	U	4.72	ND	U	5	ND	U	4.85

Table 5-1
Groundwater Analytical Results
April - June 2012

			LOCATION CODE		KAFB-106089			KAFB-106090			KAFB-106091			KAFB-106091			KAFB-106092			KAFB-106093			KAFB-106094			KAFB-106095		
			SAMPLE NO		GW0597			GW0598			GW0599			GW0600			GW0601			GW0602			GW0603			GW0604		
			SAMPLE DATE		10-Apr-12			10-Apr-12			9-May-12			9-May-12			1-May-12			1-May-12			19-Apr-12			9-Apr-12		
			SAMPLE PURPOSE		REG			REG			REG			FD			REG			REG			REG			REG		
			SAMPLE DEPTH		482-497 FT			555-570 FT			454-474 FT			454-474 FT			474-487 FT			544-557 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	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	45.9		5	36.8		5	54.1		5	54		5	59.1		5	33.3		5	55		5	42.9		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	**0.624**		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	5.86		5	4.83	J	5	6.63		5	6.64		5	7.52		5	4.47	J	5	8.23		5	5.89		5
	MANGANESE, DISSOLVED	0.2	N/A	0.05	ND	U	0.015	0.00469	J	0.015	0.00693	J	0.015	0.00542	J	0.015	**0.172**		0.015	ND	U	0.015	**0.9**		0.015	ND	U	0.015
	POTASSIUM	N/A	N/A	N/A	2.33	J	5	2.09	J	5	2.69	J	5	2.69	J	5	2.81	J	5	2	J	5	2.72	J	5	2.34	J	5
	SODIUM	N/A	N/A	N/A	23.6		5	22.4		5	26.8		5	26.7		5	27.5		5	20.9		5	27.6		5	21.9		5
Anions (mg/L) Method E300.0	CHLORIDE	250	N/A	250	12.4		0.5	8.27		0.5	22.4		0.5	22.3		0.5	34.5		0.5	7.46		0.5	17.8		0.5	11		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	ND	U	1.5	ND	U	1.5	ND	U	1.5	ND	U	1.5	0.296	J	1.5
	SULFATE	600	N/A	250	35.1		2	29.7		2	43.2		2.5	43.3		2.5	52		2	28.8		2	36.8		2	31.8		2
	SULFIDE, TOTAL (Method 4500S2CF)	N/A	N/A	N/A	ND	U	3.7	ND	U	3.45	ND	U	3.7	ND	U	3.45	ND	U	3.45	ND	U	3.7	ND	U	3.39	ND	U	3.45
Alkalinity (mg/L) Method SM2320B	ALKALINITY, BICARBONATE (AS CACO3)	N/A	N/A	N/A	115		1	109		1	136		1	130		1	123		1	104		1	162		1	113		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	19.17			19.25			19.37			N/A			19			19.07			18.64			19.15		
	pH (S.U.)	N/A	N/A	N/A	7.84			7.88			7.68			N/A			7.57			7.89			7.56			7.59		
	Spec Cond (µS/cm2)	N/A	N/A	N/A	351.4			299.5			391.4			N/A			392.5			247.5			355.2			328.5		
	DO (mg/L)	N/A	N/A	N/A	8.28			NM			6.51			N/A			3.33			10.53			0.22			8.81		
	ORP (mV)	N/A	N/A	N/A	107			133			196			N/A			80			195			-119			156		
	Turbidity (NTU)	N/A	N/A	N/A	0.67			2.51			0.36			N/A			0.86			0.56			4.29			0.69		
	Alkalinity (mg/L as CaCO3)	N/A	N/A	N/A	110			132			104			N/A			150			96			148			136		

The NMWQCC standard and EPA MCL for m,p-xylene and o-xylene is for total xylenes.
a. EPA analytical methods listed are for the most recent sampling event.
b. 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

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Table 5-1
Groundwater Analytical Results
April - June 2012

			LOCATION CODE		KAFB-106096			KAFB-106097			KAFB-106098			KAFB-106099			KAFB-106099			KAFB-106100			KAFB-106101			KAFB-106102		
			SAMPLE NO		GW0605			GW0607			GW0608			GW0610			GW0611			GW0612			GW0614			GW0615		
			SAMPLE DATE		11-Apr-12			18-Apr-12			18-Apr-12			8-May-12			8-May-12			8-May-12			17-Apr-12			17-Apr-12		
			SAMPLE PURPOSE		REG			REG			REG			REG			FD			REG			REG			REG		
			SAMPLE DEPTH		576-591 FT			506-521 FT			531-546 FT			501-516 FT			501-516 FT			526-541 FT			496-511 FT			521-535 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)	DIESEL RANGE ORGANICS	N/A	N/A	N/A	ND	U	94.3	ND	U	98	ND	U	93.5	ND	U	392	ND	U	392	ND	U	385	ND	U	98	ND	U	96.2
Method 8015B	GASOLINE RANGE ORGANICS	N/A	N/A	N/A	ND	U	150	ND	U	150	ND	U	150	ND	U	150	ND	U	150	ND	U	150	ND	U	150	ND	U	150
VOCs (µg/L)	1,1,1,2-TETRACHLOROETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
Method 8260B	1,1,1-TRICHLOROETHANE	60	N/A	60	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	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	2	ND	U	2	ND	U	2	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	2	ND	U	2	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	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 (Method 8011)	0.1	N/A	0.05	ND	U	0.0282	ND	U	0.0284	ND	U	0.0285	ND	U	0.0293	ND	U	0.0285	ND	U	0.0284	ND	U	0.0287	ND	U	0.0289
	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-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	3.45	J	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	UJ	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	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	CIS-1,2-DICHLOROETHENE	N/A	N/A	70	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	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	2	ND	U	2	ND	U	2	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	2	ND	U	2	ND	U	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	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	0.59	J	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	TRANS-1,2-DICHLOROETHENE	N/A	N/A	100	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	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	0.47	J	1	0.48	J	1	0.43	J	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
April - June 2012

			LOCATION CODE		KAFB-106096			KAFB-106097			KAFB-106098			KAFB-106099			KAFB-106099			KAFB-106100			KAFB-106101			KAFB-106102		
			SAMPLE NO		GW0605			GW0607			GW0608			GW0610			GW0611			GW0612			GW0614			GW0615		
			SAMPLE DATE		11-Apr-12			18-Apr-12			18-Apr-12			8-May-12			8-May-12			8-May-12			17-Apr-12			17-Apr-12		
			SAMPLE PURPOSE		REG			REG			REG			REG			FD			REG			REG			REG		
			SAMPLE DEPTH		576-591 FT			506-521 FT			531-546 FT			501-516 FT			501-516 FT			526-541 FT			496-511 FT			521-535 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	4.95	ND	U	5	ND	U	4.95	ND	U	10	ND	U	4.67	ND	U	4.72	ND	U	5	ND	U	5
	1,2-DIPHENYLHYDRAZINE	N/A	N/A	N/A	ND	U	4.95	ND	U	5	ND	U	4.95	ND	U	10	ND	U	4.67	ND	U	4.72	ND	U	5	ND	U	5
	1-METHYL NAPHTHALENE	N/A	N/A	30	ND	U	4.95	ND	U	5	ND	U	4.95	ND	U	10	ND	U	4.67	ND	U	4.72	ND	U	5	ND	U	5
	2,4,5-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.95	ND	U	5	ND	U	4.95	ND	U	10	ND	U	4.67	ND	U	4.72	ND	U	5	ND	U	5
	2,4,6-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.95	ND	U	5	ND	U	4.95	ND	U	10	ND	U	4.67	ND	U	4.72	ND	U	5	ND	U	5
	2,4-DICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.95	ND	U	5	ND	U	4.95	ND	U	10	ND	U	4.67	ND	U	4.72	ND	U	5	ND	U	5
	2,4-DIMETHYLPHENOL	N/A	N/A	N/A	ND	U	19.8	ND	U	20	ND	U	19.8	ND	U	40	ND	U	18.7	ND	U	18.9	ND	U	20	ND	U	20
	2,4-DINITROPHENOL	N/A	N/A	N/A	ND	U	49.5	ND	U	50	ND	U	49.5	ND	U	100	ND	U	46.7	ND	U	47.2	ND	U	50	ND	U	50
	2,4-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.95	ND	U	5	ND	U	4.95	ND	U	10	ND	U	4.67	ND	U	4.72	ND	U	5	ND	U	5
	2,6-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.95	ND	U	5	ND	U	4.95	ND	U	10	ND	U	4.67	ND	U	4.72	ND	U	5	ND	U	5
	2-CHLORONAPHTHALENE	N/A	N/A	N/A	ND	U	4.95	ND	U	5	ND	U	4.95	ND	U	10	ND	U	4.67	ND	U	4.72	ND	U	5	ND	U	5
	2-CHLOROPHENOL	N/A	N/A	N/A	ND	U	4.95	ND	U	5	ND	U	4.95	ND	U	10	ND	U	4.67	ND	U	4.72	ND	U	5	ND	U	5
	2-METHYLNAPHTHALENE	N/A	N/A	30	ND	U	4.95	ND	U	5	ND	U	4.95	ND	U	10	ND	U	4.67	ND	U	4.72	ND	U	5	ND	U	5
	2-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.95	ND	U	5	ND	U	4.95	ND	U	10	ND	U	4.67	ND	U	4.72	ND	U	5	ND	U	5
	2-NITROANILINE	N/A	N/A	N/A	ND	U	19.8	ND	U	20	ND	U	19.8	ND	U	40	ND	U	18.7	ND	U	18.9	ND	U	20	ND	U	20
	2-NITROPHENOL	N/A	N/A	N/A	ND	U	4.95	ND	U	5	ND	U	4.95	ND	U	10	ND	U	4.67	ND	U	4.72	ND	U	5	ND	U	5
	3,3'-DICHLOROBENZIDINE	N/A	N/A	N/A	ND	U	4.95	ND	U	5	ND	U	4.95	ND	U	10	ND	U	4.67	ND	U	4.72	ND	U	5	ND	U	5
	3-METHYLPHENOL AND 4-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.95	ND	U	5	ND	U	4.95	ND	U	10	ND	U	4.67	ND	U	4.72	ND	U	5	ND	U	5
	3-NITROANILINE	N/A	N/A	N/A	ND	U	19.8	ND	U	20	ND	U	19.8	ND	U	40	ND	U	18.7	ND	U	18.9	ND	U	20	ND	U	20
	4,6-DINITRO-2-METHYLPHENOL	N/A	N/A	N/A	ND	U	19.8	ND	U	20	ND	U	19.8	ND	U	40	ND	U	18.7	ND	U	18.9	ND	U	20	ND	U	20
	4-BROMOPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.95	ND	U	5	ND	U	4.95	ND	U	10	ND	U	4.67	ND	U	4.72	ND	U	5	ND	U	5
	4-CHLORO-3-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.95	ND	U	5	ND	U	4.95	ND	U	10	ND	U	4.67	ND	U	4.72	ND	U	5	ND	U	5
	4-CHLOROANILINE	N/A	N/A	N/A	ND	U	4.95	ND	U	5	ND	U	4.95	ND	U	10	ND	U	4.67	ND	U	4.72	ND	U	5	ND	U	5
	4-CHLOROPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.95	ND	U	5	ND	U	4.95	ND	U	10	ND	U	4.67	ND	U	4.72	ND	U	5	ND	U	5
	4-NITROANILINE	N/A	N/A	N/A	ND	U	19.8	ND	U	20	ND	U	19.8	ND	U	40	ND	U	18.7	ND	U	18.9	ND	U	20	ND	U	20
	4-NITROPHENOL	N/A	N/A	N/A	ND	U	19.8	ND	U	20	ND	U	19.8	ND	U	40	ND	U	18.7	ND	U	18.9	ND	U	20	ND	U	20
	ACENAPHTHENE	N/A	N/A	N/A	ND	U	4.95	ND	U	5	ND	U	4.95	ND	U	10	ND	U	4.67	ND	U	4.72	ND	U	5	ND	U	5
	ACENAPHTHYLENE	N/A	N/A	N/A	ND	U	4.95	ND	U	5	ND	U	4.95	ND	U	10	ND	U	4.67	ND	U	4.72	ND	U	5	ND	U	5
	ACETOPHENONE	N/A	N/A	N/A	ND	U	4.95	ND	U	5	ND	U	4.95	ND	U	10	ND	U	4.67	ND	U	4.72	ND	U	5	ND	U	5
	ANTHRACENE	N/A	N/A	N/A	ND	U	4.95	ND	U	5	ND	U	4.95	ND	U	10	ND	U	4.67	ND	U	4.72	ND	U	5	ND	U	5
	ATRAZINE	N/A	N/A	N/A	ND	U	4.95	ND	U	5	ND	U	4.95	ND	U	10	ND	U	4.67	ND	U	4.72	ND	U	5	ND	U	5
	BENZALDEHYDE	N/A	N/A	N/A	ND	U	4.95	ND	U	5	ND	U	4.95	ND	U	10	ND	U	4.67	ND	U	4.72	ND	U	5	ND	U	5
	BENZIDINE	N/A	N/A	N/A	ND	U	49.5	ND	U	50	ND	U	49.5	ND	U	100	ND	U	46.7	ND	U	47.2	ND	U	50	ND	U	50
	BENZO(A)ANTHRACENE	N/A	N/A	N/A	ND	U	4.95	ND	U	5	ND	U	4.95	ND	U	10	ND	U	4.67	ND	U	4.72	ND	U	5	ND	U	5
	BENZO(A)PYRENE	0.7	N/A	0.2	ND	U	4.95	ND	U	5	ND	U	4.95	ND	U	10	ND	U	4.67	ND	U	4.72	ND	U	5	ND	U	5
	BENZO(B)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.95	ND	U	5	ND	U	4.95	ND	U	10	ND	U	4.67	ND	U	4.72	ND	U	5	ND	U	5
	BENZO(GHI)PERYLENE	N/A	N/A	N/A	ND	U	4.95	ND	U	5	ND	U	4.95	ND	U	10	ND	U	4.67	ND	U	4.72	ND	U	5	ND	U	5
	BENZO(K)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.95	ND	U	5	ND	U	4.95	ND	U	10	ND	U	4.67	ND	U	4.72	ND	U	5	ND	U	5
	BENZOIC ACID	N/A	N/A	N/A	ND	U	49.5	ND	U	50	ND	U	49.5	ND	U	100	ND	U	46.7	ND	U	47.2	ND	U	50	ND	U	50
	BIS(2-CHLOROETHOXY)METHANE	N/A	N/A	N/A	ND	U	4.95	ND	U	5	ND	U	4.95	ND	U	10	ND	U	4.67	ND	U	4.72	ND	U	5	ND	U	5
	BIS(2-CHLOROETHYL)ETHER	N/A	N/A	N/A	ND	U	4.95	ND	U	5	ND	U	4.95	ND	U	10	ND	U	4.67	ND	U	4.72	ND	U	5	ND	U	5
	BIS(2-CHLOROISOPROPYL)ETHER	N/A	N/A	N/A	ND	U	4.95	ND	U	5	ND	U	4.95	ND	U	10	ND	U	4.67	ND	U	4.72	ND	U	5	ND	U	5
	BIS(2-ETHYLHEXYL)PHTHALATE	N/A	N/A	N/A	ND	U	4.95	ND	U	5	ND	U	4.95	ND	U	10	ND	U	4.67	ND	U	4.72	ND	U	5	ND	U	5
	BUTYL BENZYL PHTHALATE	N/A	N/A	N/A	ND	U	4.95	ND	U	5	ND	U	4.95	ND	U	10	ND	U	4.67	ND	U	4.72	ND	U	5	ND	U	5
	CAPROLACTAM	N/A	N/A	N/A	ND	U	4.95	ND	U	5	ND	U	4.95	ND	UJ	10	ND	UJ	4.67	ND	UJ	4.72	ND	U	5	ND	U	5
	CARBAZOLE	N/A	N/A	N/A	ND	U	4.95	ND	U	5	ND	U	4.95	ND	U	10	ND	U	4.67	ND	U	4.72	ND	U	5	ND	U	5
	CHRYSENE	N/A	N/A	N/A	ND	U	4.95	ND	U	5	ND	U	4.95	ND	U	10	ND	U	4.67	ND	U	4.72	ND	U	5	ND	U	5
	DIBENZO(A,H)ANTHRACENE	N/A	N/A	N/A	ND	U	4.95	ND	U	5	ND	U	4.95	ND	U	10	ND	U	4.67	ND	U	4.72	ND	U	5	ND	U	5
	DIBENZOFURAN	N/A	N/A	N/A	ND	U	4.95	ND	U	5	ND	U	4.95	ND	U	10	ND	U	4.67	ND	U	4.72	ND	U	5	ND	U	5
	DIETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.95	ND	U	5	ND	U	4.95	ND	U	10	ND	U	4.67	ND	U	4.72	ND	U	5	ND	U	5
	DIMETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.95	ND	U	5	ND	U	4.95	ND	U	10	ND	U	4.67	ND	U	4.72	ND	U	5	ND	U	5
	DI-N-BUTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.95	ND	U	5	ND	U	4.95	ND	U	10	ND	U	4.67	ND	U	4.72	ND	U	5	ND	U	5
	DI-N-OCTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.95	ND	U	5	ND	U	4.95	ND	U	10	ND	U	4.67	ND	U	4.72	ND	U	5	ND	U	5
	FLUORANTHENE	N/A	N/A	N/A	ND	U	4.95	ND	U	5	ND	U	4.95	ND	U	10	ND	U	4.67	ND	U	4.72	ND	U	5	ND	U	5
	FLUORENE	N/A	N/A	N/A	ND	U	4.95	ND	U	5	ND	U	4.95	ND	U	10	ND	U	4.67	ND	U	4.72	ND	U	5	ND	U	5
	HEXACHLOROBENZENE	N/A	N/A	N/A	ND	U	4.95	ND	U	5	ND	U	4.95	ND	U	10	ND	U	4.67	ND	U	4.72	ND	U	5	ND	U	5
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	4.95	ND	U	5	ND	U	4.95	ND	U	10	ND	U	4.67	ND	U	4.72	ND	U	5	ND	U	5
	HEXACHLOROCYCLOPENTADIENE	N/A	N/A	N/A	ND	U	4.95	ND	U	5	ND	U	4.95	ND	U	10	ND	U	4.67	ND	U	4.72	ND	U	5	ND	U	5
	HEXACHLOROETHANE	N/A	N/A	N/A	ND	U	4.95	ND	U	5	ND	U	4.95	ND	U	10	ND	U	4.67	ND	U	4.72	ND	U	5	ND	U	5
	INDENO(1,2,3-CD)PYRENE	N/A	N/A	N/A	ND	U	4.95	ND	U	5	ND	U	4.95	ND	U	10	ND	U	4.67	ND	U	4.72	ND	U	5	ND	U	5
	ISOPHORONE	N/A	N/A	N/A	ND	U	4.95	ND	U	5	ND	U	4.95	ND	U	10	ND	U	4.67	ND	U	4.72	ND	U	5	ND	U	5
	NAPHTHALENE	N/A	N/A	30	ND	U	4.95	ND	U	5	ND	U	4.95	ND	U	10	ND	U	4.67	ND	U	4.72	ND	U	5	ND	U	5
	NITROBENZENE	N/A	N/A	N/A	ND	U	4.95	ND	U	5	ND	U	4.95	ND	U	10	ND	U	4.67	ND	U	4.72	ND	U	5	ND	U	5
	N-NITROSO-DI-N-PROPYLAMINE	N/A	N/A	N/A	ND	U	4.95	ND	U	5	ND	U	4.95	ND	U	10	ND	U	4.67	ND	U	4.72	ND	U	5	ND	U	5
	N-NITROSODIPHENYLAMINE	N/A	N/A	N/A	ND	U	4.95	ND	U	5	ND	U	4.95	ND	U	10	ND	U	4.67	ND	U	4.72	ND	U	5	ND	U	5
	PENTACHLOROPHENOL	N/A	N/A	N/A	ND	U	19.8	ND	U	20	ND	U	19.8	ND	U	40	ND	U	18.7	ND	U	18.9	ND	U	20	ND	U	20
	PHENANTHRENE	N/A	N/A	N/A	ND	U	4.95	ND	U	5	ND	U	4.95	ND	U	10	ND	U	4.67	ND	U	4.72	ND	U	5	ND	U	5
	PHENOL	N/A	N/A	5	ND	U	4.95	ND	U	5	ND	U	4.95	ND	U	10	ND	U	4.67	ND	U	4.72	ND	U	5	ND	U	5
	PYRENE	N/A	N/A	N/A	ND	U	4.95	ND	U	5	ND	U	4.95	ND	U	10	ND	U	4.67	ND	U	4.72	ND	U	5	ND	U	5

Table 5-1
Groundwater Analytical Results
April - June 2012

				LOCATION CODE	KAFB-106096			KAFB-106097			KAFB-106098			KAFB-106099			KAFB-106099			KAFB-106100			KAFB-106101			KAFB-106102		
				SAMPLE NO	GW0605			GW0607			GW0608			GW0610			GW0611			GW0612			GW0614			GW0615		
				SAMPLE DATE	11-Apr-12			18-Apr-12			18-Apr-12			8-May-12			8-May-12			8-May-12			17-Apr-12			17-Apr-12		
				SAMPLE PURPOSE	REG			REG			REG			REG			FD			REG			REG			REG		
				SAMPLE DEPTH	576-591 FT			506-521 FT			531-546 FT			501-516 FT			501-516 FT			526-541 FT			496-511 FT			521-535 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	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	37.8		5	39.3		5	34.3		5	49.2		5	50.2		5	39.9		5	85.7		5	37.6		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	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	4.9	J	5	5.52		5	4.73	J	5	6.78		5	6.98		5	5.49		5	12.6		5	5.55		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	2.17	J	5	2.28	J	5	2.14	J	5	2.69	J	5	2.73	J	5	2.49	J	5	3.53	J	5	2.33	J	5
	SODIUM	N/A	N/A	N/A	22.5		5	22.9		5	20.7		5	24		5	24.5		5	22.2		5	40.7		5	24.5		5
Anions (mg/L) Method E300.0	CHLORIDE	250	N/A	250	7.63		0.5	10.4		0.5	7.4		0.5	26.8		1	26.5		1	15		1	71.3		0.5	12.1		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	ND	U	1.5	ND	U	1.5	ND	U	1.5	1.66		1.5	1.66		1.5	0.724	J	1.5	2.54		1.5	0.528	J	1.5
	SULFATE	600	N/A	250	28.2		2	33.3		2	28.3		2	59.5		2.5	59.2		2.5	37.1		2.5	128		2	33.3		2
	SULFIDE, TOTAL (Method 4500S2CF)	N/A	N/A	N/A	ND	U	3.39	0.678	J	3.39	0.678	J	3.39	ND	U	3.45	ND	U	3.45	ND	U	3.45	0.678	J	3.39	0.678	J	3.39
Alkalinity (mg/L) Method SM2320B	ALKALINITY, BICARBONATE (AS CACO3)	N/A	N/A	N/A	103		1	100		1	98.3		1	85.7		1	87.7		1	95		1	87.7		1	73.1		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	19.23			19.58			18.89			18.63			N/A			18.72			19.11			18.47		
	pH (S.U.)	N/A	N/A	N/A	7.84			7.82			7.87			7.88			N/A			7.92			7.76			7.83		
	Spec Cond (µS/cm2)	N/A	N/A	N/A	284.3			305.7			275.4			331.2			N/A			264.3			688.7			308.7		
	DO (mg/L)	N/A	N/A	N/A	4.9			6.25			9.58			9.39			N/A			NM			7.97			4.99		
	ORP (mV)	N/A	N/A	N/A	161			111			185			199			N/A			200			152			147		
	Turbidity (NTU)	N/A	N/A	N/A	0.31			0.75			0.4			0.7			N/A			1.1			0.29			0.08		
	Alkalinity (mg/L as CaCO3)	N/A	N/A	N/A	120			104			116			106			N/A			104			116			96		

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

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Table 5-1
Groundwater Analytical Results
April - June 2012

			LOCATION CODE		KAFB-106103			KAFB-106104			KAFB-106105			KAFB-106106			KAFB-106106			KAFB-106107			KAFB3411		
			SAMPLE NO		GW0617			GW0618			GW0619			GW0620			GW0621			GW0622			GW0505		
			SAMPLE DATE		30-Apr-12			30-Apr-12			23-Apr-12			23-Apr-12			23-Apr-12			23-Apr-12			10-Apr-12		
			SAMPLE PURPOSE		REG			REG			REG			REG			FD			REG			REG		
			SAMPLE DEPTH		485-500 FT			510-525 FT			484-499 FT			454-484 FT			454-484 FT			510-525 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
TPH (µg/L)	DIESEL RANGE ORGANICS	N/A	N/A	N/A	ND	U	392	ND	U	385	ND	U	100	ND	U	100	ND	U	100	ND	U	100	ND	U	100
Method 8015B	GASOLINE RANGE ORGANICS	N/A	N/A	N/A	ND	U	150	ND	U	150	ND	U	150	ND	U	150	ND	U	150	ND	U	150	ND	U	150
VOCs (µg/L)	1,1,1,2-TETRACHLOROETHANE	N/A	N/A	N/A	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
Method 8260B	1,1,1-TRICHLOROETHANE	60	N/A	60	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	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
	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
	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
	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
	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
	1,2,3-TRICHLOROBENZENE	N/A	N/A	N/A	ND	U	2	ND	U	2	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
	1,2,4-TRICHLOROBENZENE	N/A	N/A	70	ND	U	2	ND	U	2	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
	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
	1,2-DIBROMOETHANE (Method 8011)	0.1	N/A	0.05	ND	U	0.0283	ND	U	0.0282	**0.0784**		0.0284	**0.198**		0.0281	**0.183**		0.0278	ND	U	0.0282	ND	U	0.0281
	1,2-DIBROMOETHANE	0.1	N/A	0.05	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1
	1,2-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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	BROMOMETHANE	N/A	N/A	N/A	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	U	2	ND	UJ	2
	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
	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
	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
	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
	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
	CHLOROMETHANE	N/A	N/A	N/A	0.46	J	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	U	1	ND	UJ	1
	CIS-1,2-DICHLOROETHENE	N/A	N/A	70	ND	U	1	ND	U	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
	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
	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
	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
	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
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	UJ	2	ND	UJ	2	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
	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
	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
	NAPHTHALENE	N/A	N/A	30	ND	U	2	ND	U	2	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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

Table 5-1
Groundwater Analytical Results
April - June 2012

			LOCATION CODE		KAFB-106103			KAFB-106104			KAFB-106105			KAFB-106106			KAFB-106106			KAFB-106107			KAFB3411		
			SAMPLE NO		GW0617			GW0618			GW0619			GW0620			GW0621			GW0622			GW0505		
			SAMPLE DATE		30-Apr-12			30-Apr-12			23-Apr-12			23-Apr-12			23-Apr-12			23-Apr-12			10-Apr-12		
			SAMPLE PURPOSE		REG			REG			REG			REG			FD			REG			REG		
			SAMPLE DEPTH		485-500 FT			510-525 FT			484-499 FT			454-484 FT			454-484 FT			510-525 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
SVOCs (µg/L) Method 8270C	1,1-BIPHENYL	N/A	N/A	N/A	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5	ND	U	4.67	ND	U	4.72	ND	U	5
	1,2-DIPHENYLHYDRAZINE	N/A	N/A	N/A	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5	ND	U	4.67	ND	U	4.72	ND	U	5
	1-METHYL NAPHTHALENE	N/A	N/A	30	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5	ND	U	4.67	ND	U	4.72	ND	U	5
	2,4,5-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5	ND	U	4.67	ND	U	4.72	ND	U	5
	2,4,6-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5	ND	U	4.67	ND	U	4.72	ND	U	5
	2,4-DICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5	ND	U	4.67	ND	U	4.72	ND	U	5
	2,4-DIMETHYLPHENOL	N/A	N/A	N/A	ND	U	18.7	ND	U	20	ND	U	19.2	ND	U	20	ND	U	18.7	ND	U	18.9	ND	U	20
	2,4-DINITROPHENOL	N/A	N/A	N/A	ND	U	46.7	ND	U	50	ND	U	48.1	ND	U	50	ND	U	46.7	ND	U	47.2	ND	U	50
	2,4-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5	ND	U	4.67	ND	U	4.72	ND	U	5
	2,6-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5	ND	U	4.67	ND	U	4.72	ND	U	5
	2-CHLORONAPHTHALENE	N/A	N/A	N/A	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5	ND	U	4.67	ND	U	4.72	ND	U	5
	2-CHLOROPHENOL	N/A	N/A	N/A	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5	ND	U	4.67	ND	U	4.72	ND	U	5
	2-METHYLNAPHTHALENE	N/A	N/A	30	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5	ND	U	4.67	ND	U	4.72	ND	U	5
	2-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5	ND	U	4.67	ND	U	4.72	ND	U	5
	2-NITROANILINE	N/A	N/A	N/A	ND	U	18.7	ND	U	20	ND	U	19.2	ND	U	20	ND	U	18.7	ND	U	18.9	ND	U	20
	2-NITROPHENOL	N/A	N/A	N/A	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5	ND	U	4.67	ND	U	4.72	ND	U	5
	3,3'-DICHLOROBENZIDINE	N/A	N/A	N/A	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5	ND	U	4.67	ND	U	4.72	ND	U	5
	3-METHYLPHENOL AND 4-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5	ND	U	4.67	ND	U	4.72	ND	U	5
	3-NITROANILINE	N/A	N/A	N/A	ND	U	18.7	ND	U	20	ND	U	19.2	ND	U	20	ND	U	18.7	ND	U	18.9	ND	U	20
	4,6-DINITRO-2-METHYLPHENOL	N/A	N/A	N/A	ND	U	18.7	ND	U	20	ND	U	19.2	ND	U	20	ND	U	18.7	ND	U	18.9	ND	U	20
	4-BROMOPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5	ND	U	4.67	ND	U	4.72	ND	U	5
	4-CHLORO-3-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5	ND	U	4.67	ND	U	4.72	ND	U	5
	4-CHLOROANILINE	N/A	N/A	N/A	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5	ND	U	4.67	ND	U	4.72	ND	U	5
	4-CHLOROPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5	ND	U	4.67	ND	U	4.72	ND	U	5
	4-NITROANILINE	N/A	N/A	N/A	ND	U	18.7	ND	U	20	ND	U	19.2	ND	U	20	ND	U	18.7	ND	U	18.9	ND	U	20
	4-NITROPHENOL	N/A	N/A	N/A	ND	U	18.7	ND	U	20	ND	U	19.2	ND	U	20	ND	U	18.7	ND	U	18.9	ND	U	20
	ACENAPHTHENE	N/A	N/A	N/A	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5	ND	U	4.67	ND	U	4.72	ND	U	5
	ACENAPHTHYLENE	N/A	N/A	N/A	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5	ND	U	4.67	ND	U	4.72	ND	U	5
	ACETOPHENONE	N/A	N/A	N/A	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5	ND	U	4.67	ND	U	4.72	ND	U	5
	ANTHRACENE	N/A	N/A	N/A	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5	ND	U	4.67	ND	U	4.72	ND	U	5
	ATRAZINE	N/A	N/A	N/A	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5	ND	U	4.67	ND	U	4.72	ND	U	5
	BENZALDEHYDE	N/A	N/A	N/A	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5	ND	U	4.67	ND	U	4.72	ND	U	5
	BENZIDINE	N/A	N/A	N/A	ND	U	46.7	ND	U	50	ND	U	48.1	ND	U	50	ND	U	46.7	ND	U	47.2	ND	U	50
	BENZO(A)ANTHRACENE	N/A	N/A	N/A	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5	ND	U	4.67	ND	U	4.72	ND	U	5
	BENZO(A)PYRENE	0.7	N/A	0.2	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5	ND	U	4.67	ND	U	4.72	ND	U	5
	BENZO(B)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5	ND	U	4.67	ND	U	4.72	ND	U	5
	BENZO(GHI)PERYLENE	N/A	N/A	N/A	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5	ND	U	4.67	ND	U	4.72	ND	U	5
	BENZO(K)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5	ND	U	4.67	ND	U	4.72	ND	U	5
	BENZOIC ACID	N/A	N/A	N/A	ND	U	46.7	ND	U	50	ND	U	48.1	ND	U	50	ND	U	46.7	ND	U	47.2	ND	U	50
	BIS(2-CHLOROETHOXY)METHANE	N/A	N/A	N/A	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5	ND	U	4.67	ND	U	4.72	ND	U	5
	BIS(2-CHLOROETHYL)ETHER	N/A	N/A	N/A	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5	ND	U	4.67	ND	U	4.72	ND	U	5
	BIS(2-CHLOROISOPROPYL)ETHER	N/A	N/A	N/A	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5	ND	U	4.67	ND	U	4.72	ND	U	5
	BIS(2-ETHYLHEXYL)PHTHALATE	N/A	N/A	N/A	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5	ND	U	4.67	ND	U	4.72	ND	U	5
	BUTYL BENZYL PHTHALATE	N/A	N/A	N/A	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5	ND	U	4.67	ND	U	4.72	ND	U	5
	CAPROLACTAM	N/A	N/A	N/A	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5	ND	U	4.67	ND	U	4.72	ND	U	5
	CARBAZOLE	N/A	N/A	N/A	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5	ND	U	4.67	ND	U	4.72	ND	U	5
	CHRYSENE	N/A	N/A	N/A	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5	ND	U	4.67	ND	U	4.72	ND	U	5
	DIBENZO(A,H)ANTHRACENE	N/A	N/A	N/A	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5	ND	U	4.67	ND	U	4.72	ND	U	5
	DIBENZOFURAN	N/A	N/A	N/A	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5	ND	U	4.67	ND	U	4.72	ND	U	5
	DIETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5	ND	U	4.67	ND	U	4.72	ND	U	5
	DIMETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5	ND	U	4.67	ND	U	4.72	ND	U	5
	DI-N-BUTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5	ND	U	4.67	ND	U	4.72	ND	U	5
	DI-N-OCTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5	ND	U	4.67	ND	U	4.72	ND	U	5
	FLUORANTHENE	N/A	N/A	N/A	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5	ND	U	4.67	ND	U	4.72	ND	U	5
	FLUORENE	N/A	N/A	N/A	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5	ND	U	4.67	ND	U	4.72	ND	U	5
	HEXACHLOROBENZENE	N/A	N/A	N/A	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5	ND	U	4.67	ND	U	4.72	ND	U	5
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5	ND	U	4.67	ND	U	4.72	ND	U	5
	HEXACHLOROCYCLOPENTADIENE	N/A	N/A	N/A	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5	ND	U	4.67	ND	U	4.72	ND	U	5
	HEXACHLOROETHANE	N/A	N/A	N/A	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5	ND	U	4.67	ND	U	4.72	ND	U	5
	INDENO(1,2,3-CD)PYRENE	N/A	N/A	N/A	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5	ND	U	4.67	ND	U	4.72	ND	U	5
	ISOPHORONE	N/A	N/A	N/A	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5	ND	U	4.67	ND	U	4.72	ND	U	5
	NAPHTHALENE	N/A	N/A	30	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5	ND	U	4.67	ND	U	4.72	ND	U	5
	NITROBENZENE	N/A	N/A	N/A	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5	ND	U	4.67	ND	U	4.72	ND	U	5
	N-NITROSO-DI-N-PROPYLAMINE	N/A	N/A	N/A	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5	ND	U	4.67	ND	U	4.72	ND	U	5
	N-NITROSODIPHENYLAMINE	N/A	N/A	N/A	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5	ND	U	4.67	ND	U	4.72	ND	U	5
	PENTACHLOROPHENOL	N/A	N/A	N/A	ND	U	18.7	ND	U	20	ND	U	19.2	ND	U	20	ND	U	18.7	ND	U	18.9	ND	U	20
	PHENANTHRENE	N/A	N/A	N/A	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5	ND	U	4.67	ND	U	4.72	ND	U	5
	PHENOL	N/A	N/A	5	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5	ND	U	4.67	ND	U	4.72	ND	U	5
	PYRENE	N/A	N/A	N/A	ND	U	4.67	ND	U	5	ND	U	4.81	ND	U	5	ND	U	4.67	ND	U	4.72	ND	U	5

Table 5-1
Groundwater Analytical Results
April - June 2012

			LOCATION CODE		KAFB-106103			KAFB-106104			KAFB-106105			KAFB-106106			KAFB-106106			KAFB-106107			KAFB3411		
			SAMPLE NO		GW0617			GW0618			GW0619			GW0620			GW0621			GW0622			GW0505		
			SAMPLE DATE		30-Apr-12			30-Apr-12			23-Apr-12			23-Apr-12			23-Apr-12			23-Apr-12			10-Apr-12		
			SAMPLE PURPOSE		REG			REG			REG			REG			FD			REG			REG		
			SAMPLE DEPTH		485-500 FT			510-525 FT			484-499 FT			454-484 FT			454-484 FT			510-525 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
PAHs (µg/L) Method 8270C	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
Metals (mg/L) Method 6010B	CALCIUM	N/A	N/A	N/A	33.6		5	32.6		5	39.8		5	44.3		5	41.9		5	38.3		5	55.6		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	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
	MAGNESIUM	N/A	N/A	N/A	4.52	J	5	4.38	J	5	5.52		5	6.01		5	5.66		5	5.23		5	8.16		5
	MANGANESE, DISSOLVED	0.2	N/A	0.05	ND	U	0.015	0.00445	J	0.015	ND	U	0.015	ND	U	0.015	ND	U	0.015	0.00332	J	0.015	**0.0565**		0.015
	POTASSIUM	N/A	N/A	N/A	1.93	J	5	1.98	J	5	2.26	J	5	2.45	J	5	2.32	J	5	2.21	J	5	2.59	J	5
	SODIUM	N/A	N/A	N/A	24.6		5	24.1		5	22.1		5	23.8		5	22.5		5	22		5	24.2		5
Anions (mg/L) Method E300.0	CHLORIDE	250	N/A	250	9.51		0.5	8.2		0.5	13.2		0.5	15.9		0.5	15.8		0.5	9.46		0.5	10.4		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
	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
	SULFATE	600	N/A	250	29.1		2	29		2	41.8		2	44.5		2	44.6		2	34.2		2	29.5		2
	SULFIDE, TOTAL (Method 4500S2CF)	N/A	N/A	N/A	0.741	J	3.7	ND	U	3.7	ND	U	3.45	ND	U	3.7	ND	U	3.7	ND	U	3.45	ND	U	3.45
Alkalinity (mg/L) Method SM2320B	ALKALINITY, BICARBONATE (AS CACO3)	N/A	N/A	N/A	104		1	103		1	105		1	107		1	111		1	102		1	175		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
Field Parameters	Temperature (°C)	N/A	N/A	N/A	18.96			18.96			18.65			18.35			N/A			18.77			19.59		
	pH (S.U.)	N/A	N/A	N/A	7.95			7.88			7.87			7.8			N/A			7.86			7.46		
	Spec Cond (µS/cm2)	N/A	N/A	N/A	256			249.6			297.6			304.2			N/A			264.3			426.5		
	DO (mg/L)	N/A	N/A	N/A	7.27			9.53			NM			9.25			N/A			NM			1.31		
	ORP (mV)	N/A	N/A	N/A	182			198			192			178			N/A			193			113		
	Turbidity (NTU)	N/A	N/A	N/A	0.87			1.59			0.52			1.07			N/A			0.58			0.47		
	Alkalinity (mg/L as CaCO3)	N/A	N/A	N/A	125			146			116			108			N/A			96			160		

The NMWQCC standard and EPA MCL for m,p-xylene and o-xylene is for total xylenes.
a. EPA analytical methods listed are for the most recent sampling event.
b. 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

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Table 5-1
Groundwater Analytical Results
April - June 2012

			LOCATION CODE		ST106-VA2			ST106-VA2		
			SAMPLE NO		GW0503			GW0504		
			SAMPLE DATE		4-Apr-12			4-Apr-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	94.3	ND	U	94.3
	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 (Method 8011)	0.1	N/A	0.05	ND	U	0.0286	ND	U	0.0287
	1,2-DIBROMOETHANE	0.1	N/A	0.05	ND	U	1	ND	U	1
	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	U	2	ND	U	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	U	1	ND	U	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
April - June 2012

			LOCATION CODE		ST106-VA2			ST106-VA2		
			SAMPLE NO		GW0503			GW0504		
			SAMPLE DATE		4-Apr-12			4-Apr-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	4.9	ND	U	4.9
	1,2-DIPHENYLHYDRAZINE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9
	1-METHYL NAPHTHALENE	N/A	N/A	30	ND	U	4.9	ND	U	4.9
	2,4,5-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9
	2,4,6-TRICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9
	2,4-DICHLOROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9
	2,4-DIMETHYLPHENOL	N/A	N/A	N/A	ND	U	19.6	ND	U	19.6
	2,4-DINITROPHENOL	N/A	N/A	N/A	ND	U	49	ND	U	49
	2,4-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9
	2,6-DINITROTOLUENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9
	2-CHLORONAPHTHALENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9
	2-CHLOROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9
	2-METHYLNAPHTHALENE	N/A	N/A	30	ND	U	4.9	ND	U	4.9
	2-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9
	2-NITROANILINE	N/A	N/A	N/A	ND	U	19.6	ND	U	19.6
	2-NITROPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9
	3,3'-DICHLOROBENZIDINE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9
	3-METHYLPHENOL AND 4-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9
	3-NITROANILINE	N/A	N/A	N/A	ND	U	19.6	ND	U	19.6
	4,6-DINITRO-2-METHYLPHENOL	N/A	N/A	N/A	ND	U	19.6	ND	U	19.6
	4-BROMOPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9
	4-CHLORO-3-METHYLPHENOL	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9
	4-CHLOROANILINE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9
	4-CHLOROPHENYL PHENYL ETHER	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9
	4-NITROANILINE	N/A	N/A	N/A	ND	U	19.6	ND	U	19.6
	4-NITROPHENOL	N/A	N/A	N/A	ND	U	19.6	ND	U	19.6
	ACENAPHTHENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9
	ACENAPHTHYLENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9
	ACETOPHENONE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9
	ANTHRACENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9
	ATRAZINE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9
	BENZALDEHYDE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9
	BENZIDINE	N/A	N/A	N/A	ND	U	49	ND	U	49
	BENZO(A)ANTHRACENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9
	BENZO(A)PYRENE	0.7	N/A	0.2	ND	U	4.9	ND	U	4.9
	BENZO(B)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9
	BENZO(GHI)PERYLENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9
	BENZO(K)FLUORANTHENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9
	BENZOIC ACID	N/A	N/A	N/A	ND	U	49	ND	U	49
	BIS(2-CHLOROETHOXY)METHANE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9
	BIS(2-CHLOROETHYL)ETHER	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9
	BIS(2-CHLOROISOPROPYL)ETHER	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9
	BIS(2-ETHYLHEXYL)PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9
	BUTYL BENZYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9
	CAPROLACTAM	N/A	N/A	N/A	ND	UJ	4.9	ND	UJ	4.9
	CARBAZOLE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9
	CHRYSENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9
	DIBENZO(A,H)ANTHRACENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9
	DIBENZOFURAN	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9
	DIETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9
	DIMETHYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9
	DI-N-BUTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9
	DI-N-OCTYL PHTHALATE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9
	FLUORANTHENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9
	FLUORENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9
	HEXACHLOROBENZENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9
	HEXACHLOROBUTADIENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9
	HEXACHLOROCYCLOPENTADIENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9
	HEXACHLOROETHANE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9
	INDENO(1,2,3-CD)PYRENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9
	ISOPHORONE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9
	NAPHTHALENE	N/A	N/A	30	ND	U	4.9	ND	U	4.9
	NITROBENZENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9
	N-NITROSO-DI-N-PROPYLAMINE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9
	N-NITROSODIPHENYLAMINE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9
	PENTACHLOROPHENOL	N/A	N/A	N/A	ND	U	19.6	ND	U	19.6
	PHENANTHRENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9
	PHENOL	N/A	N/A	5	ND	U	4.9	ND	U	4.9
	PYRENE	N/A	N/A	N/A	ND	U	4.9	ND	U	4.9

Table 5-1
Groundwater Analytical Results
April - June 2012

			LOCATION CODE		ST106-VA2			ST106-VA2		
			SAMPLE NO		GW0503			GW0504		
			SAMPLE DATE		4-Apr-12			4-Apr-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	1-METHYL NAPHTHALENE	N/A	N/A	30	ND	U	0.196	ND	U	0.196
	2-METHYLNAPHTHALENE	N/A	N/A	30	ND	U	0.196	ND	U	0.196
	ACENAPHTHENE	N/A	N/A	N/A	ND	U	0.196	ND	U	0.196
	ACENAPHTHYLENE	N/A	N/A	N/A	ND	U	0.196	ND	U	0.196
	ANTHRACENE	N/A	N/A	N/A	ND	U	0.196	ND	U	0.196
	BENZO(A)ANTHRACENE	N/A	N/A	N/A	ND	U	0.196	ND	U	0.196
	BENZO(A)PYRENE	0.7	N/A	0.2	ND	U	0.196	ND	U	0.196
	BENZO(B)FLUORANTHENE	N/A	N/A	N/A	ND	U	0.196	ND	U	0.196
	BENZO(GHI)PERYLENE	N/A	N/A	N/A	ND	U	0.196	ND	U	0.196
	BENZO(K)FLUORANTHENE	N/A	N/A	N/A	ND	U	0.196	ND	U	0.196
	CHRYSENE	N/A	N/A	N/A	ND	U	0.196	ND	U	0.196
	DIBENZO(A,H)ANTHRACENE	N/A	N/A	N/A	ND	U	0.196	ND	U	0.196
	FLUORANTHENE	N/A	N/A	N/A	ND	U	0.196	ND	U	0.196
	FLUORENE	N/A	N/A	N/A	ND	U	0.196	ND	U	0.196
	INDENO(1,2,3-CD)PYRENE	N/A	N/A	N/A	ND	U	0.196	ND	U	0.196
	NAPHTHALENE	N/A	N/A	30	ND	UJ	0.196	ND	UJ	0.196
	PHENANTHRENE	N/A	N/A	N/A	ND	U	0.196	ND	U	0.196
	PYRENE	N/A	N/A	N/A	ND	U	0.196	ND	U	0.196
Metals (mg/L) Method 6010B	CALCIUM	N/A	N/A	N/A	36.2		5	37.7		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	7.17		5	7.42		5
	MANGANESE, DISSOLVED	0.2	N/A	0.05	ND	U	0.015	ND	U	0.015
	POTASSIUM	N/A	N/A	N/A	3.64	J	5	3.79	J	5
	SODIUM	N/A	N/A	N/A	22.4		5	23.1		5
Anions (mg/L) Method E300.0	CHLORIDE	250	N/A	250	31.2		0.5	31.3		0.5
	AMMONIA (AS N) (Method 4500NH3BG)	N/A	N/A	N/A	ND	U	0.3	0.157	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	25.1		2	25.3		2
	SULFIDE, TOTAL (Method 4500S2CF)	N/A	N/A	N/A	ND	U	3.64	ND	U	3.57
Alkalinity (mg/L) Method SM2320B	ALKALINITY, BICARBONATE (AS CACO3)	N/A	N/A	N/A	101		1	99.1		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	21.66			N/A		
	pH (S.U.)	N/A	N/A	N/A	7.71			N/A		
	Spec Cond (µS/cm2)	N/A	N/A	N/A	350.6			N/A		
	DO (mg/L)	N/A	N/A	N/A	3.66			N/A		
	ORP (mV)	N/A	N/A	N/A	176			N/A		
	Turbidity (NTU)	N/A	N/A	N/A	0.18			N/A		
	Alkalinity (mg/L as CaCO3)	N/A	N/A	N/A	108			N/A		

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

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Table 5-2
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

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Table 5-3
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

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Table 5-4
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

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

Well	Aquifer Zone	Date	Time	Depth to Product	Depth to Water	Measured NAPL Thickness	Top Fluid Elev (ft)	GW Elev (ft)	NAPL Elev (ft)	GW Elev Corrected for NAPL (ft)	Use
KAFB-0118		4/2/2012	750		459.73		4861.02	4861.02		4861.02	Yes
KAFB-0119		4/2/2012	822		455.21		4860.61	4860.61		4860.61	Yes
KAFB-0121		4/2/2012	833		446.66		4858.27	4858.27		4858.27	Yes
KAFB-0510-MW		4/2/2012	738		511.30		4750.88	4750.88		4750.88	Yes
KAFB-0524		4/2/2012	801		485.68		4857.26	4857.26		4857.26	Yes
KAFB-106001	Shallow	4/2/2012	1420		486.05		4858.94	4858.94		4858.94	Yes
KAFB-106002	Shallow	4/2/2012	1053		483.38		4858.87	4858.87		4858.87	Yes
KAFB-106003	Shallow	4/2/2012	1047		481.43		4858.79	4858.79		4858.79	Yes
KAFB-106004	Shallow	4/2/2012	1445		486.89		4858.89	4858.89		4858.89	Yes
KAFB-106005	Shallow	4/3/2012	804		488.28		4858.75	4858.75		4858.75	Yes
KAFB-106006	Shallow	4/2/2012	1412		492.48		4859.12	4859.12		4859.12	Yes
KAFB-106007	Shallow	4/2/2012	1347		490.57		4859.00	4859.00		4859.00	Yes
KAFB-106008	Shallow	4/3/2012	752		493.10		4858.80	4858.80		4858.80	Yes
KAFB-106009	Shallow	4/3/2012	822		486.42		4858.46	4858.46		4858.46	Yes
KAFB-106010	Shallow	4/2/2012	1619		485.76		4857.53	4857.53		4857.53	Yes
KAFB-106011	Shallow	4/2/2012	942		494.74		4858.45	4858.45		4858.45	Yes
KAFB-106013	Shallow	4/2/2012	1531		492.35		4858.39	4858.39		4858.39	Yes
KAFB-106014	Shallow	4/2/2012	954		492.01		4858.28	4858.28		4858.28	Yes
KAFB-106015	Shallow	4/2/2012	931		485.72		4856.86	4856.86		4856.86	Yes
KAFB-106016	Shallow	4/2/2012	1007		483.35		4859.16	4859.16		4859.16	Yes
KAFB-106017	Shallow	4/2/2012	1154		484.81		4857.71	4857.71		4857.71	Yes
KAFB-106018	Shallow	4/2/2012	1139		478.48		4857.80	4857.80		4857.80	Yes
KAFB-106019	Shallow	4/2/2012	1128		496.83		4857.80	4857.80		4857.80	Yes
KAFB-106020	Shallow	4/2/2012	1605		483.96		4857.12	4857.12		4857.12	Yes
KAFB-106021	Shallow	4/3/2012	1538		456.81		4857.59	4857.59		4857.59	Yes

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

Well	Aquifer Zone	Date	Time	Depth to Product	Depth to Water	Measured NAPL Thickness	Top Fluid Elev (ft)	GW Elev (ft)	NAPL Elev (ft)	GW Elev Corrected for NAPL (ft)	Use
KAFB-106022	Shallow	4/3/2012	1251		460.95		4857.06	4857.06		4857.06	Yes
KAFB-106023	Shallow	4/3/2012	1305		471.20		4857.61	4857.61		4857.61	Yes
KAFB-106024	Shallow	4/2/2012	1432		484.49		4858.98	4858.98		4858.98	Yes
KAFB-106025	Shallow	4/3/2012	753		460.54		4856.76	4856.76		4856.76	Yes
KAFB-106026	Shallow	4/3/2012	1031		466.31		4856.36	4856.36		4856.36	Yes
KAFB-106027	Shallow	4/2/2012	940		488.94		4859.60	4859.60		4859.60	Yes
KAFB-106028-510	Shallow	4/3/2012	1113		490.83		4858.23	4858.23		4858.23	Yes
KAFB-106029	Shallow	4/3/2012	1057		453.69		4857.27	4857.27		4857.27	Yes
KAFB-106030	Intermediate	4/3/2012	1108		453.81		4857.21	4857.21		4857.21	Yes
KAFB-106031	Deep	4/3/2012	1119		454.06		4857.00	4857.00		4857.00	Yes
KAFB-106032	Shallow	4/3/2012	1552		460.48		4857.12	4857.12		4857.12	Yes
KAFB-106033	Intermediate	4/3/2012	1608		460.71		4857.13	4857.13		4857.13	Yes
KAFB-106034	Deep	4/3/2012	1620		460.96		4857.68	4857.68		4857.68	Yes
KAFB-106035	Shallow	4/3/2012	1142		464.46		4857.18	4857.18		4857.18	Yes
KAFB-106036	Intermediate	4/3/2012	1151		464.18		4857.80	4857.80		4857.80	Yes
KAFB-106037	Deep	4/3/2012	1204		464.59		4857.57	4857.57		4857.57	Yes
KAFB-106038	Shallow	4/2/2012	1209		494.08		4857.57	4857.57		4857.57	Yes
KAFB-106039	Intermediate	4/2/2012	1221		493.59		4857.75	4857.75		4857.75	Yes
KAFB-106040	Deep	4/2/2012	1207		492.99		4857.30	4857.30		4857.30	Yes
KAFB-106042	Shallow	4/3/2012	805		467.54		4856.60	4856.60		4856.60	Yes
KAFB-106043	Deep	4/3/2012	815		467.69		4856.69	4856.69		4856.69	Yes
KAFB-106044	Intermediate	4/2/2012	929		488.81		4860.03	4860.03		4860.03	Yes
KAFB-106045	Deep	4/2/2012	918		488.51		4859.97	4859.97		4859.97	Yes
KAFB-106046	Shallow	4/2/2012	1149		494.38		4858.54	4858.54		4858.54	Yes
KAFB-106047	Intermediate	4/2/2012	1141		494.33		4858.49	4858.49		4858.49	Yes

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

Well	Aquifer Zone	Date	Time	Depth to Product	Depth to Water	Measured NAPL Thickness	Top Fluid Elev (ft)	GW Elev (ft)	NAPL Elev (ft)	GW Elev Corrected for NAPL (ft)	Use
KAFB-106048	Deep	4/2/2012	1134		493.93		4858.66	4858.66		4858.66	Yes
KAFB-106049	Shallow	4/3/2012	827		459.01		4857.14	4857.14		4857.14	Yes
KAFB-106050	Intermediate	4/3/2012	836		459.43		4856.15	4856.15		4856.15	Yes
KAFB-106051	Deep	4/3/2012	845		459.12		4856.76	4856.76		4856.76	Yes
KAFB-106052	Shallow	4/3/2012	856		462.29		4856.65	4856.65		4856.65	Yes
KAFB-106053	Intermediate	4/3/2012	905		461.98		4856.73	4856.73		4856.73	Yes
KAFB-106054	Deep	4/3/2012	914		462.41		4856.02	4856.02		4856.02	Yes
KAFB-106055	Shallow	4/3/2012	956		468.37		4856.79	4856.79		4856.79	Yes
KAFB-106057	Intermediate	4/3/2012	1005		468.74		4856.79	4856.79		4856.79	Yes
KAFB-106058	Deep	4/3/2012	1016		468.61		4857.49	4857.49		4857.49	Yes
KAFB-106059	Shallow	4/2/2012	811		486.08		4858.72	4858.72		4858.72	Yes
KAFB-106060	Intermediate	4/2/2012	748		486.47		4858.87	4858.87		4858.87	Yes
KAFB-106061	Deep	4/2/2012	800		486.23		4859.00	4859.00		4859.00	Yes
KAFB-106062	Deep	4/2/2012	1202		492.40		4858.81	4858.81		4858.81	Yes
KAFB-106063	Intermediate	4/3/2012	947		493.49		4858.39	4858.39		4858.39	Yes
KAFB-106064	Shallow	4/2/2012	1221		492.31		4858.77	4858.77		4858.77	Yes
KAFB-106065	Intermediate	4/2/2012	1602		490.51		4858.31	4858.31		4858.31	Yes
KAFB-106066	Deep	4/2/2012	1547		490.70		4858.43	4858.43		4858.43	Yes
KAFB-106067	Shallow	4/2/2012	1328		489.88		4857.65	4857.65		4857.65	Yes
KAFB-106068	Deep	4/2/2012	1341		489.37		4857.86	4857.86		4857.86	Yes
KAFB-106069	Intermediate	4/2/2012	1353		489.16		4858.12	4858.12		4858.12	Yes
KAFB-106070	Shallow	4/4/2012	828		461.22		4857.27	4857.27		4857.27	Yes
KAFB-106071	Deep	4/3/2012	1432		463.45		4857.40	4857.40		4857.40	Yes
KAFB-106072	Intermediate	4/4/2012	840		461.74		4857.57	4857.57		4857.57	Yes
KAFB-106073	Intermediate	4/3/2012	1057		482.12		4857.65	4857.65		4857.65	Yes

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

Well	Aquifer Zone	Date	Time	Depth to Product	Depth to Water	Measured NAPL Thickness	Top Fluid Elev (ft)	GW Elev (ft)	NAPL Elev (ft)	GW Elev Corrected for NAPL (ft)	Use
KAFB-106074	Deep	4/2/2012	1537		482.61		4858.03	4858.03		4858.03	Yes
KAFB-106075	Shallow	4/2/2012	1551		482.75		4857.79	4857.79		4857.79	Yes
KAFB-106076	Shallow	4/3/2012	931	486.09	486.73	0.64	4858.75	4858.11	4858.75	4858.65	Yes
KAFB-106077	Intermediate	4/2/2012	1327		487.07		4857.66	4857.66		4857.66	Yes
KAFB-106078	Deep	4/2/2012	1320		486.25		4858.37	4858.37		4858.37	Yes
KAFB-106079	Shallow	4/2/2012	1003		491.51		4858.15	4858.15		4858.15	Yes
KAFB-106080	Intermediate	4/2/2012	1015		491.02		4857.43	4857.43		4857.43	Yes
KAFB-106081	Deep	4/2/2012	1037		490.95		4858.52	4858.52		4858.52	Yes
KAFB-106082	Shallow	4/3/2012	1042		477.51		4857.42	4857.42		4857.42	Yes
KAFB-106083	Intermediate	4/2/2012	1303		477.01		4857.81	4857.81		4857.81	Yes
KAFB-106084	Deep	4/2/2012	1315		476.31		4857.90	4857.90		4857.90	Yes
KAFB-106085	Shallow	4/3/2012	1458		458.97		4858.37	4858.37		4858.37	Yes
KAFB-106086	Intermediate	4/3/2012	1509		459.18		4858.58	4858.58		4858.58	Yes
KAFB-106087	Deep	4/3/2012	1521		459.34		4857.66	4857.66		4857.66	Yes
KAFB-106088	Shallow	4/3/2012	1343		466.87		4857.40	4857.40		4857.40	Yes
KAFB-106089	Intermediate	4/3/2012	1355		466.99		4856.62	4856.62		4856.62	Yes
KAFB-106090	Deep	4/4/2012	856		465.43		4857.51	4857.51		4857.51	Yes
KAFB-106091	Shallow	4/3/2012	1218		457.26		4857.09	4857.09		4857.09	Yes
KAFB-106092	Intermediate	4/3/2012	1228		457.31		4857.20	4857.20		4857.20	Yes
KAFB-106093	Deep	4/3/2012	1239		457.01		4857.48	4857.48		4857.48	Yes
KAFB-106094	Shallow	4/2/2012	1406		487.81		4857.37	4857.37		4857.37	Yes
KAFB-106095	Intermediate	4/2/2012	1419		487.35		4857.41	4857.41		4857.41	Yes
KAFB-106096	Deep	4/2/2012	1432		487.62		4857.78	4857.78		4857.78	Yes
KAFB-106097	Intermediate	4/2/2012	1523		489.23		4858.64	4858.64		4858.64	Yes
KAFB-106098	Deep	4/2/2012	1513		489.32		4858.61	4858.61		4858.61	Yes

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

Well	Aquifer Zone	Date	Time	Depth to Product	Depth to Water	Measured NAPL Thickness	Top Fluid Elev (ft)	GW Elev (ft)	NAPL Elev (ft)	GW Elev Corrected for NAPL (ft)	Use
KAFB-106099	Intermediate	4/2/2012	1457		483.62		4859.28	4859.28		4859.28	Yes
KAFB-106100	Deep	4/2/2012	1508		483.93		4858.91	4858.91		4858.91	Yes
KAFB-106101	Intermediate	4/2/2012	1117		481.22		4859.11	4859.11		4859.11	Yes
KAFB-106102	Deep	4/2/2012	1107		481.33		4858.95	4858.95		4858.95	Yes
KAFB-106103	Intermediate	4/3/2012	1317		471.51		4857.08	4857.08		4857.08	Yes
KAFB-106104	Deep	4/4/2012	911		470.94		4857.20	4857.20		4857.20	Yes
KAFB-106105	Intermediate	4/3/2012	926		466.19		4855.82	4855.82		4855.82	Yes
KAFB-106106	Shallow	4/3/2012	935		466.41		4855.48	4855.48		4855.48	Yes
KAFB-106107	Deep	4/3/2012	945		466.68		4855.53	4855.53		4855.53	Yes
KAFB-3392		4/2/2012	844		538.71		4853.29	4853.29		4853.29	Yes
KAFB-3411	Shallow	4/2/2012	1023		484.56		4859.10	4859.10		4859.10	Yes

ft - foot/feet
GW - Groundwater
KAFB - Kirtland Air Force Base
NAPL - non-aqueous phase liquid

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Table 5-6
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 5-6
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 5-7
Comparison of Water Table and Shallow Zone Well Screen Elevations
April 2012

Well	Aquifer Zone	Top of Screen Elevation (ft)	Groundwater Elevation (ft)	Difference[1] (ft)
KAFB-106001	Shallow	4858.76	4858.94	-0.18
KAFB-106002	Shallow	4860.75	4858.87	1.88
KAFB-106003	Shallow	4861.07	4858.79	2.28
KAFB-106004	Shallow	4859.01	4858.89	0.12
KAFB-106005	Shallow	4865.00	4858.75	6.24
KAFB-106006	Shallow	4865.22	4859.12	6.10
KAFB-106007	Shallow	4860.15	4859.00	1.15
KAFB-106008	Shallow	4862.90	4858.80	4.10
KAFB-106009	Shallow	4864.79	4858.46	6.33
KAFB-106010	Shallow	4860.33	4857.53	2.80
KAFB-106011	Shallow	4864.03	4858.45	5.58
KAFB-106013	Shallow	4861.11	4858.39	2.72
KAFB-106014	Shallow	4861.33	4858.28	3.05
KAFB-106015	Shallow	4854.63	4856.86	-2.23
KAFB-106016	Shallow	4864.23	4859.16	5.07
KAFB-106017	Shallow	4857.16	4857.71	-0.55
KAFB-106018	Shallow	4857.01	4857.80	-0.80
KAFB-106019	Shallow	4858.88	4857.80	1.07
KAFB-106020	Shallow	4859.09	4857.12	1.97
KAFB-106021	Shallow	4856.40	4857.59	-1.19
KAFB-106022	Shallow	4856.02	4857.06	-1.04
KAFB-106023	Shallow	4855.90	4857.61	-1.71
KAFB-106024	Shallow	4862.26	4858.98	3.28
KAFB-106025	Shallow	4852.30	4856.76	-4.46
KAFB-106026	Shallow	4856.67	4856.36	0.31
KAFB-106027	Shallow	4864.40	4859.60	4.80
KAFB-106028-510	Shallow	4860.86	4858.23	2.63
KAFB-106029	Shallow	4860.92	4857.27	3.64
KAFB-106032	Shallow	4861.53	4857.12	4.41
KAFB-106035	Shallow	4869.46	4857.18	12.28
KAFB-106038	Shallow	4870.38	4857.57	12.81
KAFB-106042	Shallow	4855.08	4856.60	-1.52
KAFB-106046	Shallow	4862.83	4858.54	4.29
KAFB-106049	Shallow	4859.11	4857.14	1.97
KAFB-106052	Shallow	4868.93	4856.65	12.28
KAFB-106055	Shallow	4859.14	4856.79	2.35
KAFB-106059	Shallow	4861.67	4858.72	2.95
KAFB-106064	Shallow	4862.90	4858.77	4.13
KAFB-106067	Shallow	4862.56	4857.65	4.91

Table 5-7
Comparison of Water Table and Shallow Zone Well Screen Elevations
April 2012

Well	Aquifer Zone	Top of Screen Elevation (ft)	Groundwater Elevation (ft)	Difference[1] (ft)
KAFB-106070	Shallow	4858.46	4855.08	**3.38**
KAFB-106075	Shallow	4860.51	4857.79	**2.72**
KAFB-106076	Shallow	4864.82	4858.75	**6.07**
KAFB-106079	Shallow	4861.64	4858.15	**3.49**
KAFB-106082	Shallow	4862.79	4858.48	**4.31**
KAFB-106085	Shallow	4870.29	4858.37	**11.92**
KAFB-106088	Shallow	4864.27	4857.40	**6.87**
KAFB-106091	Shallow	4860.28	4857.09	**3.18**
KAFB-106094	Shallow	4861.14	4857.37	**3.77**
KAFB-106106	Shallow	4867.87	4855.48	**12.39**

[1] Legend

	Groundwater elevation is above top of screen
	Groundwater elevation is within two feet of top of screen
	Groundwater elevation is at least two feet below top of screen

KAFB = Kirtland Air Force Base

ft = foot/feet

Table 6-1
IDW Roll-Off Bin Sampling and Disposal
January 2011 - March 2012

Rolloff #	Date Sampled	Sample ID	Well Location	Disposal
20B-27	1/5/2011	106045IDW3	KAFB-106045	Landfill
20B001	1/6/2011	106044IDW1	KAFB-106044	Landfill
104056	1/6/2011	106139IDW1	KAFB-106139	Landfill
104051	1/10/2011	106044IDW2	KAFB-106044	Landfill
20B-29	1/10/2011	106044IDW3	KAFB-106044	Landfill
104050	1/10/2011	106139IDW2	KAFB-106139	Landfill
104052	1/13/2011	106140IDW1	KAFB-106140	Landfill
104057	1/13/2011	106140IDW2	KAFB-106140	Landfill
104058	1/19/2011	106137IDW1	KAFB-106137	Landfill
20B008	1/20/2011	106137IDW2	KAFB-106137	Landfill
20B-25	1/21/2011	106113IDW1	KAFB-106113	Landfill
A20-067	1/24/2011	106109IDW1	KAFB-106109	Landfill
20B001	1/24/2011	106135IDW1	KAFB-106135	Landfill
104056	1/24/2011	106135IDW2	KAFB-106135	Landfill
A20-081	2/7/2011	106109IDW2	KAFB-106109	Landfill
A20-043	2/7/2011	106113IDW2	KAFB-106113	Landfill
104054	2/9/2011	106132IDW1	KAFB-106132	Landfill
104055	2/9/2011	106132IDW2	KAFB-106132	Landfill
104052	2/9/2011	106133IDW1	KAFB-106133	Landfill
104053	2/10/2011	106115IDW1	KAFB-106115	Landfill
104057	2/10/2011	106133IDW2	KAFB-106133	Landfill
A20-088	2/17/2011	106101IDW1	KAFB-106101	Landfill
20B-28	2/17/2011	106108IDW1	KAFB-106108	Landfill
20B-27	2/17/2011	106108IDW2	KAFB-106108	Landfill
104050	2/18/2011	106115IDW2	KAFB-106115	Landfill
104051	2/21/2011	106101IDW2	KAFB-106101	Landfill
20B-29	2/21/2011	106101IDW3	KAFB-106101	Landfill
20B001	2/21/2011	106130IDW1	KAFB-106130	Landfill
104056	2/21/2011	106130IDW2	KAFB-106130	Landfill
104058	2/21/2011	106134IDW1	KAFB-106134	Landfill
20B008	2/21/2011	106134IDW2	KAFB-106134	Landfill
20B-30	2/23/2011	106110IDW1	KAFB-106110	Landfill
SD1102.20	2/23/2011	106110IDW2	KAFB-106110	Landfill
20B-25	2/23/2011	106114IDW1	KAFB-106114	Landfill
A20-067	2/23/2011	106114IDW2	KAFB-106114	Landfill
SD0605.20	3/1/2011	106102IDW1	KAFB-106102	Landfill
SD0606.20	3/1/2011	106102IDW2	KAFB-106102	Landfill
SD0608.20	3/1/2011	106102IDW3	KAFB-106102	Landfill
20B004	3/1/2011	106112IDW1	KAFB-106112	Landfill
104059	3/1/2011	106112IDW2	KAFB-106112	Landfill
SD1103.20	3/3/2011	106111IDW1	KAFB-106111	Landfill
104054	3/3/2011	106111IDW2	KAFB-106111	Landfill

Table 6-1
IDW Roll-Off Bin Sampling and Disposal
January 2011 - March 2012

Rolloff #	Date Sampled	Sample ID	Well Location	Disposal
SD1102.20	3/3/2011	106118IDW1	KAFB-106118	Landfill
A20-043	3/3/2011	106129IDW1	KAFB-106129	Landfill
104055	3/3/2011	106129IDW2	KAFB-106129	Landfill
104052	3/3/2011	106131IDW1	KAFB-106131	Landfill
A20-081	3/4/2011	106118IDW2	KAFB-106118	Landfill
SD0607.20	3/7/2011	106116IDW1	KAFB-106116	Landfill
22027	3/7/2011	106116IDW2	KAFB-106116	Landfill
22025	3/7/2011	106119IDW1	KAFB-106119	Landfill
22026	3/7/2011	106119IDW2	KAFB-106119	Landfill
20B-27	3/7/2011	106128IDW1	KAFB-106128	Landfill
A20-088	3/7/2011	106128IDW2	KAFB-106128	Landfill
22023	3/7/2011	106131IDW2	KAFB-106131	Landfill
104057	3/9/2011	106062IDW1	KAFB-106062	Landfill
A20-028	3/9/2011	106076IDW1	KAFB-106076	Landfill
104050	3/9/2011	106117IDW1	KAFB-160117	Landfill
104053	3/9/2011	106117IDW2	KAFB-160117	Landfill
20B-28	3/14/2011	106061IDW1	KAFB-106061	Landfill
A20-068	3/14/2011	106062IDW2	KAFB-106062	Landfill
20B001	3/15/2011	106048IDW1	KAFB-106048	Landfill
A20-037	3/15/2011	106061IDW2	KAFB-106061	Landfill
A20-014	3/15/2011	106062IDW3	KAFB-106062	Landfill
A20-033	3/15/2011	106076IDW2	KAFB-106076	Landfill
20B008	3/17/2011	106048IDW2	KAFB-106048	Landfill
20B-29	3/17/2011	106048IDW3	KAFB-106048	Landfill
A20-074	3/17/2011	106079IDW1	KAFB-106079	Landfill
20001	3/17/2011	106082IDW1	KAFB-106082	Landfill
104051	3/18/2011	106082IDW2	KAFB-106082	Landfill
104056	3/21/2011	106061IDW3	KAFB-106061	Landfill
A20-024	3/21/2011	106079IDW2	KAFB-106079	Landfill
104058	3/21/2011	106079IDW3	KAFB-106079	Landfill
SD0606.20	3/22/2011	106061IDW4	KAFB-106061	Landfill
SD0605.20	3/22/2011	106064IDW1	KAFB-106064	Landfill
20B-25	3/22/2011	106064IDW2	KAFB-106064	Landfill
10	3/22/2011	106064IDW3	KAFB-106064	Landfill
20B-30	3/22/2011	106078IDW1	KAFB-106078	Landfill
A20-067	3/22/2011	106078IDW2	KAFB-106078	Landfill
SD0608.20	3/23/2011	106047IDW1	KAFB-106047	Landfill
SD1102.20	3/23/2011	106084IDW1	KAFB-106084	Landfill
413803	3/24/2011	106047IDW2	KAFB-106047	Landfill
413810	3/24/2011	106047IDW3	KAFB-106047	Landfill
12	3/24/2011	106081IDW1	KAFB-106081	Landfill
20B004	3/29/2011	106084IDW2	KAFB-106084	Landfill

Table 6-1
IDW Roll-Off Bin Sampling and Disposal
January 2011 - March 2012

Rolloff #	Date Sampled	Sample ID	Well Location	Disposal
413805	3/29/2011	106084IDW3	KAFB-106084	Landfill
104055	3/29/2011	106084IDW4	KAFB-106084	Landfill
104054	3/31/2011	106063IDW1	KAFB-106063	Landfill
SD1103.20	3/31/2011	106063IDW2	KAFB-106063	Landfill
413809	3/31/2011	106063IDW3	KAFB-106063	Landfill
413804	3/31/2011	106078IDW3	KAFB-106078	Landfill
A20-043	3/31/2011	106078IDW4	KAFB-106078	Landfill
104059	3/31/2011	106081IDW2	KAFB-106081	Landfill
413806	3/31/2011	106081IDW3	KAFB-106081	Landfill
413811	3/31/2011	106081IDW4	KAFB-106081	Landfill
22027	4/1/2011	106046IDW1	KAFB-106046	Landfill
20B-27	4/4/2011	106046IDW2	KAFB-106046	Landfill
413812	4/4/2011	106046IDW3	KAFB-106046	Landfill
SD0607.20	4/4/2011	106059IDW1	KAFB-106059	Landfill
A20-088	4/4/2011	106077IDW1	KAFB-106077	Landfill
104052	4/4/2011	106077IDW2	KAFB-106077	Landfill
6	4/4/2011	106077IDW3	KAFB-106077	Landfill
22026	4/4/2011	106083IDW1	KAFB-106083	Landfill
A20-081	4/4/2011	106083IDW2	KAFB-106083	Landfill
11	4/4/2011	106083IDW3	KAFB-106083	Disposed Offsite
413808	4/6/2011	106059IDW2	KAFB-106059	Landfill
SD1101.20	4/6/2011	106059IDW3	KAFB-106059	Landfill
A20-037	4/6/2011	106075IDW1	KAFB-106075	Landfill
104057	4/6/2011	106080IDW1	KAFB-106080	Landfill
DB496	4/6/2011	106080IDW2	KAFB-106080	Landfill
104050	4/6/2011	106138IDW1	KAFB-106138	Landfill
DB495	4/6/2011	106138IDW2	KAFB-106138	Landfill
22023	4/7/2011	106081IDW5	KAFB-106081	Landfill
22025	4/7/2011	106081IDW6	KAFB-106081	Landfill
104053	4/7/2011	106141IDW1	KAFB-106141	Landfill
DB483	4/7/2011	106141IDW2	KAFB-106141	Landfill
20001	4/13/2011	106060IDW1	KAFB-106060	Landfill
20B-29	4/13/2011	106075IDW2	KAFB-106075	Landfill
A20-028	4/13/2011	106080IDW3	KAFB-106080	Landfill
20B-28	4/18/2011	106060IDW2	KAFB-106060	Landfill
DB488	4/18/2011	106075IDW3	KAFB-106075	Landfill
A20-074	4/18/2011	106080IDW4	KAFB-106080	Landfill
DB482	4/18/2011	106080IDW5	KAFB-106080	Landfill
413803	4/18/2011	106098IDW1	KAFB-106098	Landfill
20B-25	4/18/2011	106098IDW2	KAFB-106098	Landfill
104058	4/18/2011	106098IDW3	KAFB-106098	Landfill
SD0606.20	4/19/2011	106051IDW1	KAFB-106051	Landfill

Table 6-1
IDW Roll-Off Bin Sampling and Disposal
January 2011 - March 2012

Rolloff #	Date Sampled	Sample ID	Well Location	Disposal
SD0608.20	4/19/2011	106069IDW1	KAFB-106069	Landfill
104056	4/19/2011	106072IDW1	KAFB-106072	Landfill
SD0605.20	4/19/2011	106072IDW2	KAFB-106072	Landfill
A20-024	4/19/2011	106074IDW1	KAFB-106074	Landfill
104051	4/19/2011	106142IDW1	KAFB-106142	Landfill
20B008	4/19/2011	106142IDW2	KAFB-106142	Landfill
20B001	4/25/2011	106051IDW2	KAFB-106051	Landfill
413810	4/25/2011	106051IDW3	KAFB-106051	Landfill
A20-068	4/25/2011	106069IDW2	KAFB-106069	Landfill
A20-067	4/25/2011	106074IDW2	KAFB-106074	Landfill
DB483	4/25/2011	106074IDW3	KAFB-106074	Landfill
A20-014	4/25/2011	106097IDW1	KAFB-106097	Landfill
A20-033	4/25/2011	106097IDW2	KAFB-106097	Landfill
SD1103.20	4/29/2011	106050IDW1	KAFB-106050	Landfill
22023	4/29/2011	106050IDW2	KAFB-106050	Landfill
104054	4/29/2011	106066IDW1	KAFB-106066	Landfill
12	4/29/2011	106068IDW1	KAFB-106068	Landfill
SD1102.20	4/29/2011	106072IDW3	KAFB-106072	Landfill
413806	4/29/2011	106072IDW4	KAFB-106072	Landfill
DB481	4/29/2011	106074IDW4	KAFB-106074	Landfill
413805	4/29/2011	106074IDW5	KAFB-106074	Landfill
22027	4/29/2011	106100IDW1	KAFB-106100	Landfill
413811	5/2/2011	106050IDW3	KAFB-106050	Landfill
104057	5/2/2011	106066IDW2	KAFB-106066	Landfill
413812	5/2/2011	106066IDW3	KAFB-106066	Landfill
6	5/2/2011	106066IDW4	KAFB-106066	Landfill
104050	5/2/2011	106068IDW2	KAFB-106068	Landfill
413808	5/2/2011	106068IDW3	KAFB-106068	Landfill
413804	5/2/2011	106068IDW4	KAFB-106068	Landfill
104052	5/2/2011	106073IDW1	KAFB-106073	Landfill
413803	5/2/2011	106073IDW2	KAFB-106073	Landfill
104059	5/2/2011	106100IDW2	KAFB-106100	Landfill
413809	5/2/2011	106100IDW3	KAFB-106100	Landfill
20B-27	5/4/2011	106049IDW1	KAFB-106049	Landfill
20B-29	5/4/2011	106067IDW1	KAFB-106067	Landfill
A20-028	5/4/2011	106071IDW1	KAFB-106071	Landfill
DB488	5/4/2011	106071IDW2	KAFB-106071	Landfill
DB482	5/4/2011	106073IDW3	KAFB-106073	Landfill
20B-28	5/11/2011	106049IDW2	KAFB-106049	Landfill
SD1101.20	5/11/2011	106049IDW3	KAFB-106049	Landfill
DB496	5/11/2011	106067IDW2	KAFB-106067	Landfill
A20-081	5/11/2011	106067IDW3	KAFB-106067	Landfill

Table 6-1
IDW Roll-Off Bin Sampling and Disposal
January 2011 - March 2012

Rolloff #	Date Sampled	Sample ID	Well Location	Disposal
DB495	5/11/2011	106071IDW3	KAFB-106071	Landfill
A20-024	5/13/2011	106043IDW1	KAFB-106043	Landfill
A20-033	5/13/2011	106043IDW2	KAFB-106043	Landfill
A20-074	5/13/2011	106065IDW1	KAFB-106065	Landfill
20B008	5/13/2011	106065IDW2	KAFB-106065	Landfill
A20-068	5/16/2011	106031IDW1	KAFB-106031	Landfill
413810	5/16/2011	106043IDW3	KAFB-106043	Landfill
426461	5/16/2011	106043IDW4	KAFB-106043	Landfill
104056	5/16/2011	106070IDW1	KAFB-106070	Landfill
426465	5/16/2011	106090IDW1	KAFB-106090	Landfill
104058	5/16/2011	106090IDW2	KAFB-106090	Landfill
426464	5/16/2011	106090IDW3	KAFB-106090	Landfill
22025	5/16/2011	106099IDW1	KAFB-106099	Landfill
SD0607.20	5/16/2011	106099IDW2	KAFB-106099	Landfill
SD0606.20	5/16/2011	106099IDW3	KAFB-106099	Landfill
A20-088	5/18/2011	106031IDW2	KAFB-106031	Landfill
426462	5/18/2011	106031IDW3	KAFB-106031	Landfill
DB483	5/18/2011	106065IDW3	KAFB-106065	Landfill
A20-067	5/18/2011	106093IDW1	KAFB-106093	Landfill
A20-037	5/18/2011	106093IDW2	KAFB-106093	Landfill
426460	5/18/2011	106093IDW3	KAFB-106093	Landfill
104051	5/22/2011	106030IDW1	KAFB-106030	Landfill
104057	5/22/2011	106042IDW1	KAFB-106042	Landfill
104054	5/22/2011	106042IDW2	KAFB-106042	Landfill
20B-25	5/22/2011	106070IDW2	KAFB-106070	Landfill
413806	5/22/2011	106070IDW3	KAFB-106070	Landfill
104050	5/22/2011	106089IDW1	KAFB-106089	Landfill
20B-30	5/22/2011	106089IDW2	KAFB-106089	Landfill
413805	5/22/2011	106089IDW3	KAFB-106089	Landfill
A20-014	5/22/2011	106090IDW4	KAFB-106090	Landfill
A20-028	5/22/2011	106092IDW1	KAFB-106092	Landfill
22027	5/22/2011	106121IDW1	KAFB-106121	Landfill
A20-043	5/23/2011	106030IDW2	KAFB-106030	Landfill
413811	5/23/2011	106030IDW3	KAFB-106030	Landfill
6	5/23/2011	106042IDW3	KAFB-106042	Landfill
413812	5/23/2011	106092IDW2	KAFB-106092	Landfill
20B-27	5/23/2011	106092IDW3	KAFB-106092	Landfill
104052	5/23/2011	106121IDW2	KAFB-106121	Landfill
104059	6/1/2011	106088IDW1	KAFB-106088	Landfill
20B-29	6/1/2011	106088IDW1	KAFB-106088	Landfill
426467	6/1/2011	106088IDW1	KAFB-106088	Landfill
22025	6/3/2011	106029IDW1	KAFB-106029	Landfill

Table 6-1
IDW Roll-Off Bin Sampling and Disposal
January 2011 - March 2012

Rolloff #	Date Sampled	Sample ID	Well Location	Disposal
104053	6/3/2011	106029IDW1	KAFB-106029	Landfill
A20-081	6/3/2011	106091IDW1	KAFB-106091	Landfill
426461	6/3/2011	106091IDW1	KAFB-106091	Landfill
22026	6/3/2011	106123IDW1	KAFB-106123	Landfill
22023	6/3/2011	106123IDW2	KAFB-106123	Landfill
426464	6/6/2011	106041IDW1	KAFB-106041	Landfill
104055	6/6/2011	106041IDW1	KAFB-106041	Landfill
104056	6/6/2011	106096IDW1	KAFB-106096	Landfill
20B-28	6/6/2011	106096IDW1	KAFB-106096	Landfill
413805	6/6/2011	106096IDW1	KAFB-106096	Landfill
426462	6/6/2011	106096IDW1	KAFB-106096	Landfill
20B-27	6/9/2011	106034IDW1	KAFB-106034	Landfill
A20-067	6/9/2011	106034IDW1	KAFB-106034	Landfill
15	6/9/2011	106034IDW1	KAFB-106034	Landfill
104057	6/9/2011	106058IDW1	KAFB-106058	Landfill
20B-30	6/9/2011	106058IDW1	KAFB-106058	Landfill
426460	6/9/2011	106058IDW1	KAFB-106058	Landfill
104051	6/9/2011	106104IDW1	KAFB-106104	Landfill
104050	6/9/2011	106104IDW1	KAFB-106104	Landfill
104054	6/9/2011	106104IDW1	KAFB-106104	Landfill
23	6/9/2011	106104IDW1	KAFB-106104	Landfill
A20-074	6/9/2011	106120IDW1	KAFB-106120	Landfill
A20-024	6/9/2011	106120IDW2	KAFB-106120	Landfill
20B-25	6/16/2011	106095IDW1	KAFB-106095	Landfill
A20-014	6/16/2011	106095IDW1	KAFB-106095	Landfill
20B004	6/16/2011	106122IDW1	KAFB-106122	Landfill
12	6/18/2011	106033IDW1	KAFB-106033	Landfill
104052	6/18/2011	106033IDW1	KAFB-106033	Landfill
104058	6/18/2011	106057IDW1	KAFB-106057	Landfill
22026	6/18/2011	106057IDW1	KAFB-106057	Landfill
22027	6/18/2011	106087IDW1	KAFB-106087	Landfill
A20-028	6/18/2011	106087IDW1	KAFB-106087	Landfill
426467	6/18/2011	106087IDW1	KAFB-106087	Landfill
A20-068	6/18/2011	106122IDW2	KAFB-106122	Landfill
22023	6/20/2011	106103IDW1	KAFB-106103	Landfill
27	6/20/2011	106103IDW1	KAFB-106103	Landfill
10	6/20/2011	106103IDW1	KAFB-106103	Landfill
104053	6/24/2011	106032IDW1	KAFB-106032	Landfill
16	6/24/2011	106032IDW1	KAFB-106032	Landfill
A20-081	6/24/2011	106055IDW1	KAFB-106055	Landfill
17	6/24/2011	106055IDW1	KAFB-106055	Landfill
6	6/24/2011	106086IDW1	KAFB-106086	Landfill

Table 6-1
IDW Roll-Off Bin Sampling and Disposal
January 2011 - March 2012

Rolloff #	Date Sampled	Sample ID	Well Location	Disposal
104059	6/24/2011	106086IDW1	KAFB-106086	Landfill
426460	6/24/2011	106086IDW1	KAFB-106086	Landfill
413804	6/24/2011	106094IDW1	KAFB-106094	Landfill
413812	6/24/2011	106094IDW1	KAFB-106094	Landfill
DB495	6/24/2011	106094IDW1	KAFB-106094	Landfill
1	6/24/2011	106124IDW1	KAFB-106124	Landfill
22025	6/24/2011	106124IDW2	KAFB-106124	Landfill
A20-067	7/6/2011	106054IDW1	KAFB-106054	Landfill
104050	7/6/2011	106054IDW1	KAFB-106054	Landfill
18	7/6/2011	106054IDW1	KAFB-106054	Landfill
DB481	7/6/2011	106085IDW1	KAFB-106085	Landfill
DB482	7/6/2011	106085IDW1	KAFB-106085	Landfill
15	7/6/2011	106085IDW1	KAFB-106085	Landfill
8	7/6/2011	106136IDW1	KAFB-106136	Landfill
A20-074	7/6/2011	106136IDW2	KAFB-106136	Landfill
104053	7/12/2011	106037IDW1	KAFB-106037	Landfill
22027	7/12/2011	106037IDW1	KAFB-106037	Landfill
19	7/12/2011	106037IDW1	KAFB-106037	Landfill
A20-024	7/12/2011	106040IDW1	KAFB-106040	Landfill
28	7/12/2011	106040IDW1	KAFB-106040	Landfill
33	7/12/2011	106040IDW1	KAFB-106040	Landfill
22	7/12/2011	106040IDW1	KAFB-106040	Landfill
22026	7/12/2011	106053IDW1	KAFB-106053	Landfill
21	7/12/2011	106053IDW1	KAFB-106053	Landfill
30	7/12/2011	106053IDW1	KAFB-106053	Landfill
20B-30	7/12/2011	106125IDW1	KAFB-106125	Landfill
104051	7/12/2011	106125IDW2	KAFB-106125	Landfill
22023	7/12/2011	106126IDW1	KAFB-106126	Landfill
17	7/22/2011	106052IDW1	KAFB-106052	Landfill
18	7/22/2011	106052IDW1	KAFB-106052	Landfill
DB482	7/22/2011	106052IDW1	KAFB-106052	Landfill
104059	7/22/2011	106126IDW2	KAFB-106126	Landfill
104052	7/25/2011	106036IDW1	KAFB-106036	Landfill
104055	7/25/2011	106036IDW1	KAFB-106036	Landfill
24	7/25/2011	106036IDW1	KAFB-106036	Landfill
33	7/25/2011	106036IDW1	KAFB-106036	Landfill
15	7/25/2011	106039IDW1	KAFB-106039	Landfill
16	7/25/2011	106039IDW1	KAFB-106039	Landfill
27	7/25/2011	106039IDW1	KAFB-106039	Landfill
6	7/25/2011	106127IDW1	KAFB-106127	Landfill
104050	7/25/2011	106127IDW2	KAFB-106127	Landfill
21	8/4/2011	106038IDW1	KAFB-106038	Landfill

Table 6-1
IDW Roll-Off Bin Sampling and Disposal
January 2011 - March 2012

Rolloff #	Date Sampled	Sample ID	Well Location	Disposal
29	8/4/2011	106038IDW1	KAFB-106038	Landfill
30	8/4/2011	106038IDW1	KAFB-106038	Landfill
104051	8/4/2011	106106IDW1	KAFB-106106	Landfill
25	8/4/2011	106106IDW1	KAFB-106106	Landfill
28	8/4/2011	106106IDW1	KAFB-106106	Landfill
15	8/31/2011	106035IDW1	KAFB-106035	Landfill
19	8/31/2011	106035IDW1	KAFB-106035	Landfill
27	8/31/2011	106035IDW1	KAFB-106035	Landfill
16	8/31/2011	106105IDW1	KAFB-106105	Landfill
17	8/31/2011	106105IDW1	KAFB-106105	Landfill
24	8/31/2011	106105IDW1	KAFB-106105	Landfill
33	8/31/2011	106105IDW1	KAFB-106105	Landfill
25	8/31/2011	106107IDW1	KAFB-106107	Landfill
28	8/31/2011	106107IDW1	KAFB-106107	Landfill
29	8/31/2011	106107IDW1	KAFB-106107	Landfill
6	9/21/2011	106148IDW1	KAFB-106148	Landfill
30	9/21/2011	106148IDW2	KAFB-106148	Landfill
32	9/21/2011	106149IDW1	KAFB-106149	Landfill
26	9/21/2011	106149IDW2	KAFB-106149	Landfill
15	9/27/2011	106150IDW1	KAFB-106150	Landfill
27	9/27/2011	106150IDW2	KAFB-106150	Disposed Offsite
33	9/29/2011	106151IDW1	KAFB-106151	Landfill
25	9/29/2011	106151IDW2	KAFB-106151	Landfill
24	10/11/2011	106152IDW1	KAFB-106152	Landfill
22	10/11/2011	106152IDW2	KAFB-106152	Landfill
29	10/18/2011	106153IDW1	KAFB-106153	Landfill
32	10/18/2011	106153IDW2	KAFB-106153	Landfill
30	10/18/2011	106154IDW1	KAFB-106154	Landfill
26	10/18/2011	106154IDW2	KAFB-106154	Landfill
25	11/1/2011	106155IDW1	KAFB-106155	Landfill
33	11/1/2011	106155IDW2	KAFB-106155	Landfill
29	11/10/2011	106156IDW1	KAFB-106156	Landfill
30	11/10/2011	106156IDW2	KAFB-106156	Landfill
26	12/8/2011	106157IDW1	KAFB-106157	Landfill
25	12/8/2011	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

Table 6-1
IDW Roll-Off Bin Sampling and Disposal
January 2011 - March 2012

Rolloff #	Date Sampled	Sample ID	Well Location	Disposal
33	3/1/2012	106160IDW2	KAFB-106160	Landfill
29	3/1/2012	106160IDW3	KAFB-106160	Landfill
28	3/6/2012	FFORIDW1	FFOR DPT	Offsite

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Table 6-2
Wastewater Sampling and Disposal
January 2011 - March 2012

Tank	Date Sampled	Sample ID	Type of Wastewater	Disposal
106137	1/24/2011	106137WW1	Decon Water	Discharged in Bulk Fuels Facility
106140	1/24/2011	106140WW1	Decon Water	Discharged in Bulk Fuels Facility
106139	1/24/2011	106139WW1	Decon Water	Discharged in Bulk Fuels Facility
106045	1/24/2011	106045WW1	Decon/Development Water	Premature sample, Resampled
106045	2/7/2011	106045WW2	Decon/Development Water	Discharged in Bulk Fuels Facility
106044	2/7/2011	106044WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106135	2/7/2011	106135WW1	Decon Water	Discharged in Bulk Fuels Facility
106113	2/17/2011	106113WW1	Decon Water	Discharged in Bulk Fuels Facility
106109	2/17/2011	106109WW1	Decon Water	Discharged in Bulk Fuels Facility
106133	2/18/2011	106133WW1	Decon Water	Discharged in Bulk Fuels Facility
106132	2/18/2011	106132WW1	Decon Water	Discharged in Bulk Fuels Facility
106115	2/21/2011	106115WW1	Decon Water	Discharged in Bulk Fuels Facility
106108	2/21/2011	106108WW1	Decon Water	Discharged in Bulk Fuels Facility
106130	2/23/2011	106130WW1	Decon Water	Discharged in Bulk Fuels Facility
106101	2/23/2011	106101WW1	Decon Water	Disposed of Offsite
106134	3/2/2011	106134WW1	Decon Water	Discharged in Bulk Fuels Facility
106110	3/2/2011	106110WW1	Decon Water	Discharged in Bulk Fuels Facility
106114	3/2/2011	106114WW1	Decon Water	Discharged in Bulk Fuels Facility
106112	3/3/2011	106112WW1	Decon Water	Discharged in Bulk Fuels Facility
106111	3/7/2011	106111WW1	Decon Water	Discharged in Bulk Fuels Facility
106119	3/7/2011	106119WW1	Decon Water	Discharged in Bulk Fuels Facility
106129	3/7/2011	106129WW1	Decon Water	Disposed of Offsite
106118	3/8/2011	106118WW1	Decon Water	Discharged in Bulk Fuels Facility
106131	3/8/2011	106131WW1	Decon Water	Discharged in Bulk Fuels Facility
106128	3/9/2011	106128WW1	Decon Water	Discharged in Bulk Fuels Facility
106116	3/14/2011	106116WW1	Decon Water	Discharged in Bulk Fuels Facility
106117	3/21/2011	106117WW1	Decon Water	Discharged in Bulk Fuels Facility
106101	3/21/2011	106101WW2	Decon/Development Water	Discharged in Bulk Fuels Facility
106102	3/21/2011	106102WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106048	4/29/2011	106048WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106062	4/29/2011	106062WW2	Decon/Development Water	Discharged in Bulk Fuels Facility
106063	4/29/2011	106063WW1	Decon/Development Water	Disposed of Offsite
106078	4/29/2011	106078WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106081	4/29/2011	106081WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106084	4/29/2011	106084WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106047	5/4/2011	106047WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106061	5/4/2011	106061WW1	Decon/Development Water	Disposed of Offsite
106071	5/4/2011	106074WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106077	5/4/2011	106077WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106082	5/4/2011	106082WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106083	5/4/2011	106083WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106046	5/5/2011	106046WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106059	5/5/2011	106059WW1	Decon/Development Water	Disposed Offsite as Hazardous Waste
106060	5/5/2011	106060WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106064	5/5/2011	106064WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106076	5/5/2011	106076WW1	Decon/Development Water	Disposed Offsite as Hazardous Waste
106080	5/5/2011	106080WW1	Decon/Development Water	Disposed Offsite as Hazardous Waste
106050	5/20/2011	106050WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106066	5/20/2011	106066WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106068	5/20/2011	106068WW1	Decon/Development Water	Discharged in Bulk Fuels Facility

Table 6-2
Wastewater Sampling and Disposal
January 2011 - March 2012

Tank	Date Sampled	Sample ID	Type of Wastewater	Disposal
106069	5/20/2011	106069WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106075	5/20/2011	106075WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106079	5/20/2011	106079WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106098	5/20/2011	106098WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106029	6/18/2011	106029WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106030	6/18/2011	106030WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106031	6/18/2011	106031WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106067	6/18/2011	106067WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106088	6/18/2011	106088WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106089	6/18/2011	106089WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106090	6/18/2011	106090WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106091	6/18/2011	106091WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106093	6/18/2011	106093WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106099	6/18/2011	106099WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106070	7/7/2011	106070WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106071	7/7/2011	10671WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106072	7/7/2011	106072WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106073	7/7/2011	106073WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106033	7/13/2011	106033WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106034	7/13/2011	106034WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106042	7/13/2011	106042WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106043	7/13/2011	106043WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106103	7/13/2011	106103WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106104	7/13/2011	106104WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106032	7/14/2011	106032WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106051	7/14/2011	106051WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106065	7/14/2011	106065WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106092	7/14/2011	106092WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106094	7/14/2011	106094WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106095	7/14/2011	106095WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106096	7/14/2011	106096WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106100	7/14/2011	106100WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106086	8/16/2011	106086WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106087	8/16/2011	106087WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106120	8/16/2011	106120WW1	Decon Water	Discharged in Bulk Fuels Facility
106123	8/16/2011	106123WW1	Decon Water	Discharged in Bulk Fuels Facility
106125	8/16/2011	106125WW1	Decon Water	Discharged in Bulk Fuels Facility
106127	8/16/2011	106127WW1	Decon Water	Discharged in Bulk Fuels Facility
106041	9/22/2011	10641WW1	Decon Water	Discharged in Bulk Fuels Facility
106097	9/22/2011	106097WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106105	9/22/2011	106105WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106106	9/22/2011	106106WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106107	9/22/2011	106107WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106124	9/22/2011	106124WW1	Decon Water	Discharged in Bulk Fuels Facility
106035	9/27/2011	10635WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106040	9/27/2011	10640WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106052	9/27/2011	10652WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106085	9/27/2011	10685WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106036	9/29/2011	10636WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106038	9/29/2011	10638WW1	Decon/Development Water	Discharged in Bulk Fuels Facility

Table 6-2
Wastewater Sampling and Disposal
January 2011 - March 2012

Tank	Date Sampled	Sample ID	Type of Wastewater	Disposal
106039	9/29/2011	10639WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106053	9/29/2011	10653WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106054	9/29/2011	16054WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106055	9/29/2011	10655WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106057	9/29/2011	10657WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106058	9/29/2011	10658WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106049	10/13/2011	10649WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106126	10/13/2011	106126WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106148	10/13/2011	106148WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106149	10/13/2011	106149WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106150	10/13/2011	106150WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106121	10/25/2011	106121WW1	Decon Water	Discharged in Bulk Fuels Facility
106122	10/25/2011	106122WW1	Decon Water	Discharged in Bulk Fuels Facility
106138	10/25/2011	106138WW1	Decon Water	Discharged in Bulk Fuels Facility
106151	10/25/2011	106151WW1	Decon Water	Discharged in Bulk Fuels Facility
106152	10/25/2011	106152WW1	Decon Water	Discharged in Bulk Fuels Facility
106037	10/28/2011	10637WW1	Decon/Development Water	Discharged in Bulk Fuels Facility
106136	10/28/2011	106136WW1	Decon Water	Discharged in Bulk Fuels Facility
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

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Table 6-3
IDW Groundwater Sampling Storage and Disposal
April - June 2012

Monitoring Well	IDW Purge Water (Gallons)	Storage/Disposal
KAFB3411	43	Disposed on 7/23/12
KAFB-106001	41	Disposed on 7/23/12
KAFB-106002	40	BFF
KAFB-106005	34	Disposed of offsite 9/21/2012
KAFB-106006	32	Disposed of offsite 9/21/2012
KAFB-106007	36	Disposed on 7/23/12
KAFB-106008	35	Disposed of offsite 9/21/2012
KAFB-106009	37	Disposed of offsite 9/21/2012
KAFB-106010	47	Disposed of offsite 9/21/2012
KAFB-106011	34	Disposed on 7/23/12
KAFB-106014	39	Disposed of offsite 9/21/2012
KAFB-106015	42	BFF
KAFB-106016	35	Disposed on 7/23/12
KAFB-106017	45	Disposed on 7/23/12
KAFB-106018	45	Disposed on 7/23/12
KAFB-106019	43	Disposed on 7/23/12
KAFB-106020	48	BFF
KAFB-106021	51	Disposed on 7/23/12
KAFB-106022	59	Disposed on 7/23/12
KAFB-106024	44	Disposed on 7/23/12
KAFB-106025	53	Disposed on 7/23/12
KAFB-106026	40	BFF
KAFB-106029	41	BFF
KAFB-106030	53	BFF
KAFB-106031	78	BFF
KAFB-106032	38	BFF
KAFB-106033	54	BFF
KAFB-106034	78	Disposed on 7/23/12
KAFB-106035	42	Disposed on 7/23/12
KAFB-106036	54	Disposed on 7/23/12
KAFB-106037	80	Disposed on 7/23/12
KAFB-106038	35	Disposed on 7/23/12
KAFB-106039	52	Disposed on 7/23/12
KAFB-106040	75	Disposed on 7/23/12
KAFB-106042	37	Disposed on 7/23/12
KAFB-106043	112	BFF
KAFB-106027	26	BFF
KAFB-106044	52	BFF
KAFB-106045	77	BFF
KAFB-106046	38	Disposed on 7/23/12
KAFB-106047	55	Disposed on 7/23/12
KAFB-106048	79	Disposed on 7/23/12
KAFB-106049	41	BFF
KAFB-106050	52	BFF
KAFB-106051	79	BFF
KAFB-106052	42	BFF
KAFB-106053	52	BFF
KAFB-106054	80	BFF
KAFB-106055	40	Disposed on 7/23/12
KAFB-106057	53	Disposed on 7/23/12
KAFB-106058	77	Disposed on 7/23/12

Table 6-3
IDW Groundwater Sampling Storage and Disposal
April - June 2012

Monitoring Well	IDW Purge Water (Gallons)	Storage/Disposal
KAFB-106059	40	Disposed of offsite 9/21/2012
KAFB-106060	53	Disposed on 7/23/12
KAFB-106061	125	Disposed on 7/23/12
KAFB-106062	120	Disposed on 7/23/12
KAFB-106063	49	BFF
KAFB-106064	31	Disposed on 7/23/12
KAFB-106028-510	42	Disposed of offsite 9/21/2012
KAFB-106065	55	Disposed of offsite 9/21/2012
KAFB-106066	123	BFF
KAFB-106067	43	Disposed on 7/23/12
KAFB-106068	129	Disposed on 7/23/12
KAFB-106069	54	Disposed on 7/23/12
KAFB-106070	45	Disposed on 7/23/12
KAFB-106071	123	Disposed on 7/23/12
KAFB-106072	61	Disposed on 7/23/12
KAFB-106073	54	Disposed on 7/23/12
KAFB-106074	124	BFF
KAFB-106075	41	Disposed on 7/23/12
KAFB-106076	34	Disposed of offsite 9/21/2012
KAFB-106077	54	Disposed on 7/23/12
KAFB-106078	125	Disposed on 7/23/12
KAFB-106079	32	Disposed of offsite 9/21/2012
KAFB-106080	50	Disposed of offsite 9/21/2012
KAFB-106081	121	Disposed on 7/23/12
KAFB-106082	43	Disposed on 7/23/12
KAFB-106083	56	Disposed on 7/23/12
KAFB-106084	128	BFF
KAFB-106085	41	Disposed on 7/23/12
KAFB-106086	53	Disposed on 7/23/12
KAFB-106087	125	BFF
KAFB-106088	33	Disposed on 7/23/12
KAFB-106089	52	Disposed on 7/23/12
KAFB-106090	128	BFF
KAFB-106091	41	Disposed on 7/23/12
KAFB-106092	53	Disposed on 7/23/12
KAFB-106093	122	BFF
KAFB-106094	42	Disposed of offsite 9/21/2012
KAFB-106095	54	Disposed on 7/23/12
KAFB-106096	128	BFF
KAFB-106013	39	BFF
KAFB-106097	54	BFF
KAFB-106098	79	BFF
KAFB-106004	41	BFF
KAFB-106099	54	BFF
KAFB-106100	79	BFF
KAFB-106003	38	BFF
KAFB-106101	116	BFF
KAFB-106102	75	BFF
KAFB-106023	51	BFF
KAFB-106103	51	BFF
KAFB-106104	77	BFF

Table 6-3
IDW Groundwater Sampling Storage and Disposal
April - June 2012

Monitoring Well	IDW Purge Water (Gallons)	Storage/Disposal
KAFB-106105	56	Disposed on 7/23/12
KAFB-106106	43	Disposed on 7/23/12
KAFB-106107	82	BFF

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

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