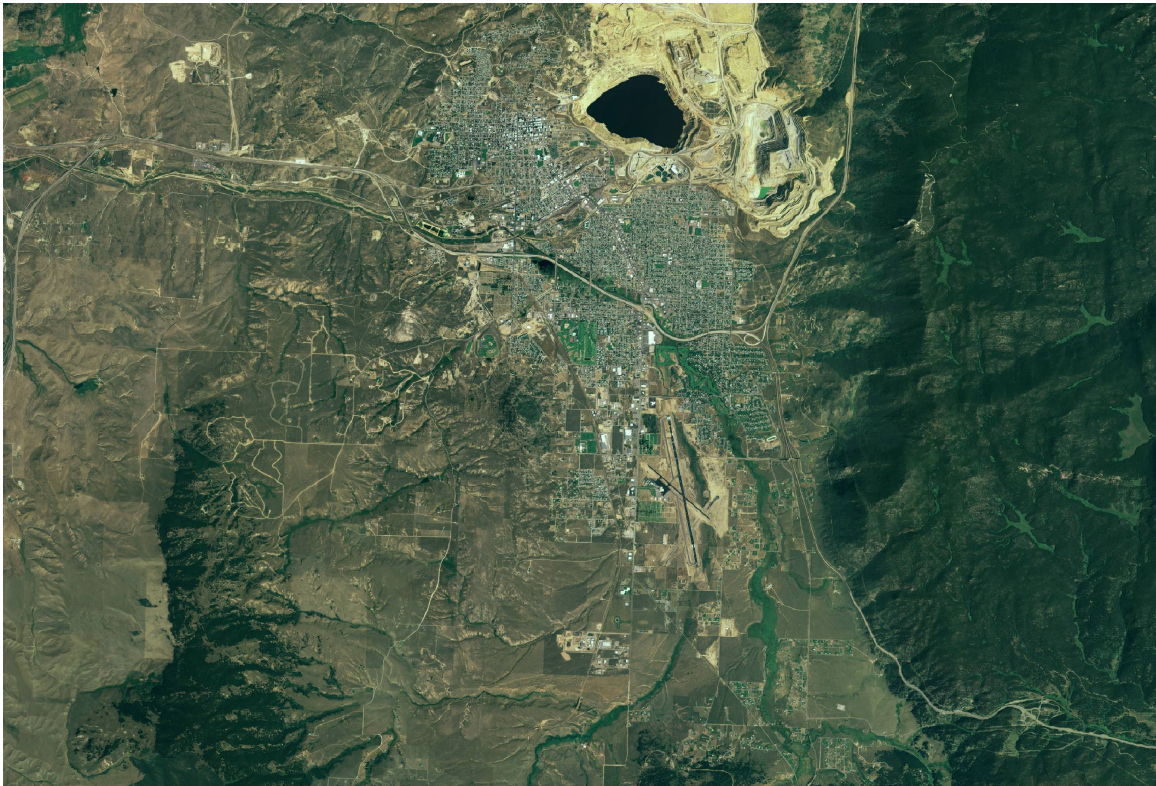


***Groundwater and Surface Water
Monitoring for Pesticides and Nitrate in
the Summit Valley including Butte,
Montana***



***Montana Department of Agriculture
Helena, Montana
2013***

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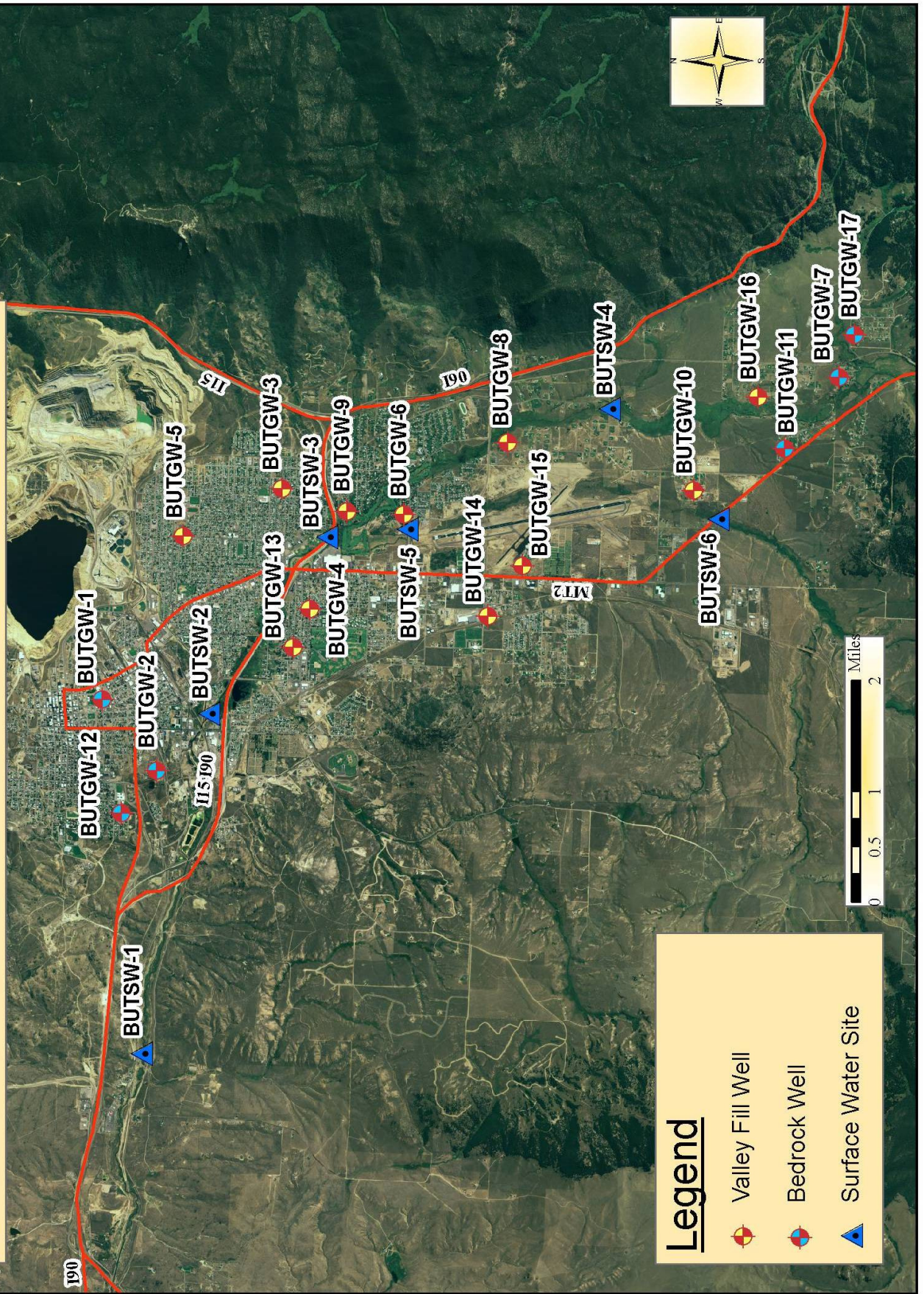
Introduction

A pesticide is any chemical used to kill an unwanted pest. The term includes herbicides, insecticides, nematicides, fungicides, and rodenticides. Approximately 1 billion pounds of pesticides are used in the U.S. every year (Gilliom and others, 2006, and Barbash and Resek, 1996). Because many of these chemicals are mobile in the environment, impacts to ground water and surface water have become a concern worldwide. Concerns include human health as well as ecological impacts.

In 1989, the Montana Agricultural Chemical Groundwater Protection Act was passed (MCA Title 80, Chapter 15, Sections 80-15-101 through 80-15-414). Section 80-15-103 states that it is the policy of the state to protect groundwater and the environment from impairment or degradation due to the use of agricultural chemicals including all pesticides and fertilizers, allow for the proper and correct use of agricultural chemicals, provide for the management of agricultural chemicals to prevent, minimize, and mitigate their presence in groundwater, and provide for education and training of agricultural chemical applicators and the general public on groundwater protection, agricultural chemical use, and the use of alternative agricultural chemicals. Under this Act, it is the directive of the Groundwater Protection Program (GWPP) of the Montana Department of Agriculture (MDA) to monitor the occurrence and concentration of agricultural chemicals in the waters of the State of Montana.

During the summer of 2012, the GWPP conducted a water monitoring project in the Summit Valley in western Montana which includes the City of Butte (Figure 1). The study was performed in order to determine potential impacts to groundwater and surface water from the use of pesticides and contributions from nitrogen sources (i.e. fertilizer, manure, septic effluent). Groundwater sampling efforts were focused on wells in shallow, unconfined Quaternary/Tertiary sand and gravel aquifers and in wells completed in fractured bedrock along the valley margins. These aquifers are vulnerable to contamination by pesticides given the dominant land use and the hydrogeologic characteristics of the basin. Surface water sampling was focused on the few perennial streams in the valley.

Figure 1. 2012 Summit Valley Project Sampling Sites



Previous Work

This is the first known water monitoring project for pesticides in the Summit Valley. However, there have been several studies concerning the presence of nitrate in the groundwater beneath the valley. Lafave (2008) summarized groundwater nitrate data for 391 sites throughout the Summit Valley. This analysis found that 13% of samples exceeded the drinking water standard of 10 mg/L and 51% of samples had concentrations exceeding 2 mg/L, which indicates a probable anthropogenic source. Nitrogen and oxygen isotope data from nitrate in the water indicated the likely source of nitrate was animal waste or human sewage. In addition, a couple of studies found elevated nitrate levels in a subdivision in the southern part of the Summit Valley (BSB Health Department, 1998, and Carstarphen et al, 2004) which relied on septic systems.

MDA Water Sampling

Between July 25 and August 1, 2012, the MDA collected groundwater samples from seventeen wells and six surface water samples from three streams (Figure 1). Eleven of the seventeen wells were completed in alluvial sediments on the valley floor while six wells were completed in fractured bedrock aquifers in the foothill along the valley fringes. For wells completed in alluvial sediments the average depth of the well screens was 57 feet and the average total depth was 65 feet. For wells completed in bedrock the average depth of well screens below the ground surface was 66 feet and average total depth was 98 feet (Table 1). Sampling locations were chosen to optimize geographic distribution in vulnerable aquifers across the valley.

All wells were sampled after purging at least three well casing volumes or until field parameters (temperature, pH, specific conductivity, and dissolved oxygen) had stabilized. MDA utilized standard operating procedures (SOPs) for groundwater and surface water collection.

Table 1. Groundwater Sampling Site Information					
Site ID	Water use	Total Depth (ft bgs)	Screened Interval (ft bgs)	Water Level (ft bgs)	Well Completion Geology
BUTGW-1	M	42	22-42	15	Fractured Bedrock
BUTGW-2	I	150	110-150	42	Fractured Bedrock
BUTGW-3	I	93	84-91	52	Alluvium
BUTGW-4	D	40	32-38	6	Alluvium
BUTGW-5	D	76	70-76	30	Alluvium
BUTGW-6	I	64	56-62	20	Alluvium
BUTGW-7	D	73	66-71	35	Fractured Bedrock
BUTGW-8	D	48	40-46	21	Alluvium
BUTGW-9	D	42	34-40	22	Alluvium
BUTGW-10	D	89	83-89	52	Alluvium
BUTGW-11	D	87	80-85	57	Fractured Bedrock
BUTGW-12	D	125	60-125	17	Fractured Bedrock
BUTGW-13	D	50	42-48	14	Alluvium
BUTGW-14	D	70	65-70	--	Alluvium
BUTGW-15	I	72	62-72	33	Alluvium
BUTGW-16	D	36	31-36	16	Alluvium
BUTGW-17	D	76	71-76	20	Fractured Bedrock
bgs = below ground surface; D = domestic; I = irrigation; M = monitoring;					

A range of surface water sites were selected to compliment groundwater sampling efforts. The MDA collected surface water samples from six locations in the summer of 2012 (Figure 1). Streams sampled included Silver Bow Creek, Blacktail Creek and Basin Creek (Table 2). All streams were at base flow conditions at the time of sampling.

Table 2. Surface Water Site Information			
Site ID	Location description	Date	Discharge (cfs)
BUTSW-1	Silver Bow Creek at S Rocker Road	7/27/12	18
BUTSW-2	Blacktail Creek at George Road	7/27/12	10
BUTSW-3	Blacktail Creek at Father Sheehan Park	7/27/12	NM
BUTSW-4	Blacktail Creek at Blacktail Loop Road	7/27/12	NM
BUTSW-5	Basin Creek at Elizabeth Warren Road	7/27/12	NM
BUTSW-6	Basin Creek at Highway 2	7/27/12	NM
cfs = cubic feet per second; NM = not measured			

Streams were sampled using both vertical and horizontal integration techniques. Stream discharge data for Silver Bow Creek and Blacktail Creek were obtained from the USGS gauging stations (station numbers 12323600 and 12323240, respectively)

Both surface water and groundwater samples were collected in 900-mL amber glass jars, put on ice, and transported to the MDA Analytical Laboratory at Montana State University in Bozeman per MDA SOPs. The samples were analyzed using the Montana Universal Method, an analytical method developed by the MDA Analytical Laboratory Bureau for the detection of polar pesticides in water. The Universal Method analyzes for 92 pesticides and pesticide metabolites. The MDA lab also performed all nitrate analyses. A list of analytes and their respective limits of quantitation for the Montana Universal Method is included in Appendix A.

Groundwater Results - Pesticides

There were a total of 60 detections of 16 different pesticides observed in the 17 groundwater samples. Pesticide detections are summarized in Table 3 and individual results are presented in Appendix B. Five sampling sites had no detections during this sampling event (BUTGW-6, -7, -8, -10, and -11). One site had a single pesticide detection (BUTGW-12) while the remaining 11 sites had multiple pesticide detections. For sites with detections, there was an average of five pesticides per sample.

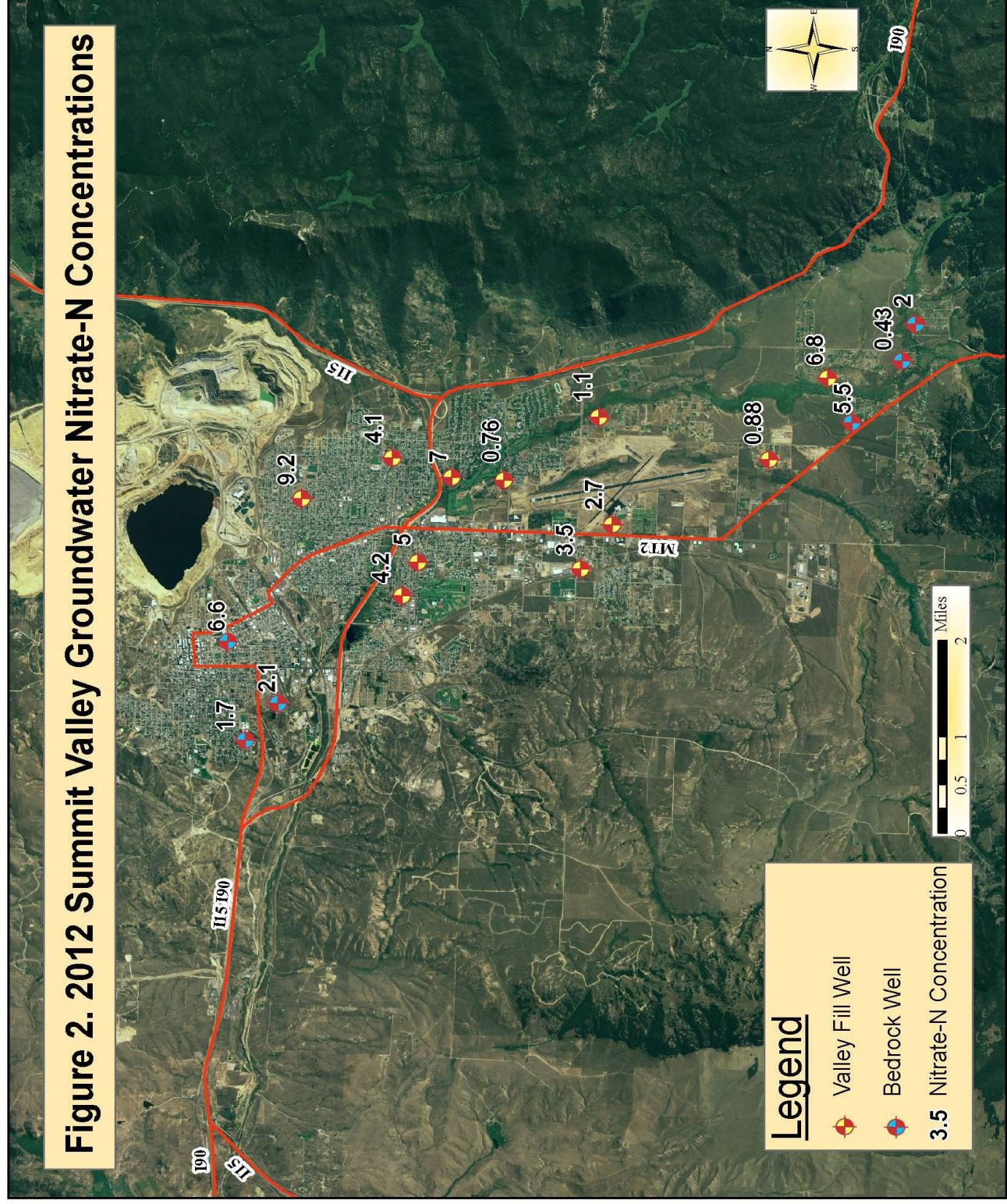
Common groundwater detections included prometon, atrazine and its metabolites deethyl atrazine and deisopropyl atrazine, simazine, imazapyr, and picloram. All of the detected pesticides were herbicides. Most significantly, no single pesticide detection exceeded or approached the human health standard for drinking water (Table 3).

Table 3. Summary of Groundwater Pesticide Detections					
Pesticide Compound	Number of Detections	Percent of Samples with Detections	Summary of Detections		Human Health Standard for Drinking Water (µg/L)
			Median Concentration (µg/L)	Maximum Concentration (µg/L)	
Aminopyralid	2	11.8	--	<0.015	4,000
Atrazine	8	47.1	0.029	0.14	3
Bromacil	2	11.8	--	0.01	90
Chlorsulfuron	1	5.9	--	<0.0056	1,750
Deethyl Atrazine	9	52.9	0.035	0.059	3
Deisopropyl Atrazine	5	29.4	0.018	0.019	3
Diuron	1	5.9	--	0.029	10
Hydroxy Atrazine	1	5.9	--	<0.004	400
Imazapyr	4	23.5	0.05	0.087	21,000
MCPA	1	5.9	--	<0.0023	4
Metsulfuron methyl	3	17.6	--	<0.01	2,000
Picloram	4	23.5	0.3	1.4	500
Prometon	10	58.8	0.0076	0.056	100
Simazine	7	41.2	0.025	0.098	4
Sulfomuterun methyl	1	5.9	--	<0.0025	2,000
Tebuthiuron	1	5.9	--	0.13	500

Groundwater Results – Nitrate

Nitrate was detected in all 17 groundwater samples collected (Table 4). Concentrations ranged from 0.43 – 9.2 mg/l with an average concentration of 3.7 mg/l (Figure 2). None of the nitrate concentrations exceeded the drinking water standard of 10 ppm. However, 65% of the samples exceeded 2 ppm, a generally accepted limit at which anthropogenic sources are the likely cause of impact. In addition, 29% of the samples had concentrations that exceeded 50% of the drinking water standard.

Figure 2. 2012 Summit Valley Groundwater Nitrate-N Concentrations



Surface Water Results - Pesticides

A total of 26 detections of 12 different pesticide analytes were observed in the six surface water samples. Pesticide detections are summarized in Table 4 and individual results are presented in Appendix B. Two sites, BUTSW-4 (Blacktail Creek at Blacktail Loop Rd) and BUTSW-6 (Basin Creek at Hwy 2) did not have any pesticide detections. The remaining sites had an average of 6.75 pesticides per sample. Frequent detections included prometon, tebuthiuron, picloram, atrazine and its metabolite deethyl atrazine.

With respect to aquatic life benchmarks, surface water detections did not exceed or approach thresholds set forth by the US EPA (Table 4).

Table 4. Summary of Surface Water Pesticide Detections						
Pesticide Compound	Number of Detections	Percent of Samples with Detections	Summary of Detections		Human Health Standard for Drinking Water (µg/L)	Lowest Available Aquatic Life Benchmark (µg/L)
			Median Concentration (µg/L)	Maximum Concentration (µg/L)		
2,4-D	2	33.3	0.011	0.017	70	13.1 (AVP)
Atrazine	3	50.0	0.0081	0.0084	3	1 (ANVP)
Bromacil	1	16.6	--	<0.0041	90	6.8 (ANVP)
Deethyl Atrazine	3	50.0	--	<0.0017	3	1,000 (ANVP)
Diuron	1	16.6	--	<0.0053	10	2.4 (ANVP)
Hydroxy Atrazine	1	16.6	--	<0.004	400	>1,500 (AF)
Imazapyr	2	33.3	0.0047	0.0049	21,000	24 (AVP)
MCPA	1	16.6	--	0.0091	4	170 (AVP)
MCPP	1	16.6	--	0.0083	300	14 (ANVP)
Picloram	3	50.0	--	<0.14	500	550 (CF)
Prometon	4	66.6	0.012	0.013	100	98 (ANVP)
Tebuthiuron	4	66.6	0.0052	0.022	500	50 (ANVP)
AVP = acute vascular plant benchmark; ANVP = acute non-vascular plants benchmark; AF = acute fish benchmark; CF = cronic fish benchmark						

Surface Water Results – Nitrate

Four of the six surface water sites sampled contained nitrate (Table 5). The two sites without detections were BUTSW-5 (Basin Creek at Elizabeth Warren Ave) and BUTSW-6 (Basin Creek at Hwy 2). Where detected, concentrations ranged from 0.15 – 2.6 ppm. None of the concentrations exceeded the drinking water standard of 10 ppm.

Table 5. Surface Water Nitrate Concentrations			
Site ID	Location description	Date	Nitrate Concentration (mg/L)
BUTSW-1	Silver Bow Creek at S Rocker Road	7/27/12	2.6
BUTSW-2	Blacktail Creek at George Road	7/27/12	1.2
BUTSW-3	Blacktail Creek at Father Sheehan Park	7/27/12	1
BUTSW-4	Blacktail Creek at Blacktail Loop Road	7/27/12	0.15
BUTSW-5	Basin Creek at Elizabeth Warren Road	7/27/12	ND
BUTSW-6	Basin Creek at Highway 2	7/27/12	ND
ND = not detected above analytical method reporting limit			

Uses of Pesticides Detected in Water Samples

The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) established the authority of the Environmental Protection Agency (EPA) over the distribution, sales, and uses of all pesticides. Under FIFRA, all pesticides (herbicides, insecticides, fungicides, and rodenticides) must be labeled for specific uses. The use of any pesticide outside of those specified on the label is against federal and state law. However, not all pesticides are labeled for a single use and most pesticides, including all of the pesticides detected during this project, are labeled for multiple uses.

Many of the most common pesticides detected during this project, including prometon, simazine, imazapyr, tebuthiuron, bromacil, and diuron, are soil sterilants. Soil sterilants are herbicides used for long-term vegetation control in non-crop settings such as rights-of-way, railroads, around homes, driveways, patios, buildings, industrial sites, etc. Tebuthiuron, when used at lower application rates, can also be used for weed control in rangeland and pastures. Soil sterilants are believed to be commonly used in urban and suburban environments such as the Summit Valley.

Atrazine was a widely used general use herbicide before it became a restricted-use herbicide in 1993 due to groundwater concerns. In Montana, it is currently registered for use in corn, fallow wheat fields, wheat stubble, and roadside applications. Atrazine and its metabolites (deethyl atrazine and deisopropyl atrazine) have proven to be very persistent in the environment and are commonly detected in surface water and groundwater in Montana and across the United States.

Another group of pesticides detected during this project were the phenoxy herbicides including 2,4-D, MCPA, and MCPP. The phenoxy herbicides have a myriad of uses.

They are commonly used in a wide range of crops, residential settings, and for noxious weed control.

Two herbicides specifically used for the control of noxious weeds detected during this project were aminopyralid and picloram. Picloram had the highest concentration of any pesticide detected at 1.4 µg/L.

Finally, three sulfonylurea herbicides were detected in groundwater including chlorsulfuron, metsulfuron methyl, and sulfometuron methyl. The sulfonylurea herbicides are commonly used in wheat and barley crops but can also be used in pastures, rangeland, and other non-crop areas.

Summary

During the summer of 2012 the Montana Department of Agriculture Groundwater Protection Program collected ground and surface water samples from the Summit Valley for analysis of pesticides and nitrate. Eleven groundwater samples were collected from wells on the valley floor, which obtain water from the alluvial valley fill aquifers. Six groundwater samples were collected from wells along the valley margins which obtain water from fractured bedrock aquifers. Land use surrounding the wells was urban, suburban, and residential. Six surface water samples were collected from the three perennial streams which exist in the valley, Basin Creek, Blacktail Creek, and Silver Bow Creek.

Pesticides were detected in twelve of the seventeen groundwater samples collected. All of the pesticides detected were herbicides. The concentrations of pesticides detected were relatively low and none exceeded human health drinking water standards. Nitrate was detected in all seventeen groundwater samples and eleven of the samples had elevated concentrations indicating a land use impact. None of the nitrate detections exceeded the human health drinking water standard.

Pesticides were detected in four of the six surface water samples. The two sites with no detections were in the upper reaches of the valley and in general detections and concentrations of pesticides increased the further downstream the samples were collected. None of the pesticide concentrations exceeded either the human health drinking water standards or aquatic life benchmarks. Nitrate was detected in four of the six surface water sites. No nitrate was detected in Basin Creek. Both Blacktail Creek and Silver Bow Creek contained nitrate and concentrations increased progressively downstream. Nitrate concentrations in surface water were relatively low and did not exceed drinking water standards.

Literature Cited

BSB Health Department letter to Warne Heights sample study participants, 1998.

Carstarphen, C.A., Lafave, J.I., and Patton, T.W., 2004, Water levels and nitrate in Warne Heights, upper Summit Valley, Silver Bow County, Montana. Montana Bureau of Mines and Geology Ground-Water Open-File Report 18, 52 p.

Lafave, J., 2008, Nitrogen in the ground water and surface water of the Summit Valley near Butte, Montana. Montana Bureau of Mines and Geology Ground-Water Open-File Report 22, 34 p.

Appendix A

Montana Universal Method Analyte List and Limits of Quantitation (LOQ)

Montana Universal Method Analytes and Limits of Quantitation (LOQ)

ANALYTE	LIMIT OF QUANTITATION (µg/L)	ANALYTE	LIMIT OF QUANTITATION (µg/L)
2,4-D	0.0045	Imazamethabenz methyl ester	0.001
3-OH Carbofuran	0.01	Imazamox	0.0057
Acetochlor	0.14	Imazapic	0.003
Acetochlor ESA	0.01	Imazapyr	0.0035
Acetochlor OA	0.0042	Imazethapyr	0.004
Alachlor	0.11	Imidacloprid	0.0018
Alachlor ESA	0.011	Isoxaflutole	0.13
Alachlor OA	0.0034	Linuron	0.0054
Aldicarb	0.065	Malathion	0.028
Aldicarb sulfone	0.022	MCPA	0.0023
Aldicarb sulfoxide	0.056	MCPP	0.0022
AMBA	0.021	Metalaxyl	0.0035
Aminocyclopyrachlor	0.025	Methomyl	0.0016
Aminopyralid	0.015	Metolachlor	0.012
Atrazine	0.0022	Metolachlor ESA	0.0025
Azinphos methyl	0.037	Metolachlor OA	0.021
Azinphos methyl oxon	0.015	Metsulfuron methyl	0.01
Azoxystrobin	0.0026	Nicosulfuron	0.011
Bentazon	0.0011	NOA 407854	0.0052
Bromacil	0.0041	NOA 447204	0.01
Bromoxynil	0.006	Norflurazon	0.02
Carbaryl	0.004	Norflurazon desmethyl	0.02
Carbofuran	0.0014	Picloram	0.14
Chlorpyrifos	0.031	Prometon	0.001
Chlorsulfuron	0.0056	Propiconazole	0.01
Clodinafop acid	0.013	Prosulfuron	0.005
Clopyralid	0.022	Pyrasulfotole	0.0093
DEDIA	0.1	Pyroxsulam	0.013
Deethyl atrazine	0.0017	Saflufenacil	0.01
Deisopropyl atrazine	0.01	Sethoxydim	0.05
Dicamba	0.22	Simazine	0.0026
Difenoconazole	0.011	Sulfentrazone	0.035
Dimethenamid	0.003	Sulfometuron methyl	0.0025
Dimethenamid OA	0.0038	Sulfosulfuron	0.0054
Dimethoate	0.0011	Tebuconazole	0.007
Diuron	0.0053	Tebuthiuron	0.0011
Fenbuconazole	0.0053	Tembotrione	0.018
Flucarbazone	0.0012	Tetraconazole	0.0039
Flucarbazone sulfonamide	0.00097	Thiamethoxam	0.02
Flumetsulam	0.029	Thifensulfuron	0.011
Fluroxypyr	0.016	Tralkoxydim	0.0051
Glutaric Acid	0.0074	Tralkoxydim acid	0.005
Halosulfuron methyl	0.006	Triallate	0.3
Hexazinone	0.0015	Triasulfuron	0.0055
Hydroxy atrazine	0.004	Triclopyr	0.011
Imazamethabenz methyl acid metabolite	0.0025	Triticonazole	0.016

Appendix B

Analytical Results

Sample

Date

7/25/2012

Site ID: BUTGW-1

ANALYTE	RESULT	UNIT	ANALYTE	RESULT	UNIT	ANALYTE	RESULT	UNIT	ANALYTE	RESULT	UNIT
2,4-D	N.D.	ug/L (ppb)	Deisopropyl atrazine	N.D.	ug/L (ppb)	Methomyl	N.D.	ug/L (ppb)	Tralkoxydim acid	N.D.	ug/L (ppb)
3-OH Carbofuran	N.D.	ug/L (ppb)	Dicamba	N.D.	ug/L (ppb)	Metolachlor	N.D.	ug/L (ppb)	Triallate	N.D.	ug/L (ppb)
AMBA	N.D.	ug/L (ppb)	Difenoconazole	N.D.	ug/L (ppb)	Metolachlor ESA	N.D.	ug/L (ppb)	Triasulfuron	N.D.	ug/L (ppb)
AMPA	N.D.	ug/L (ppb)	Dimethenamid	N.D.	ug/L (ppb)	Metolachlor OA	N.D.	ug/L (ppb)	Triclopyr	N.D.	ug/L (ppb)
Acetochlor	N.D.	ug/L (ppb)	Dimethenamid OA	N.D.	ug/L (ppb)	Metsulfuron methyl	N.D.	ug/L (ppb)	Triticonazole	N.D.	ug/L (ppb)
Acetochlor ESA	N.D.	ug/L (ppb)	Dimethoate	N.D.	ug/L (ppb)	NOA 407854	N.D.	ug/L (ppb)			
Acetochlor OA	N.D.	ug/L (ppb)	Diuron	N.D.	ug/L (ppb)	NOA 447204	N.D.	ug/L (ppb)			
Alachlor	N.D.	ug/L (ppb)	Fenbuconazole	N.D.	ug/L (ppb)	Nicosulfuron	N.D.	ug/L (ppb)			
Alachlor ESA	N.D.	ug/L (ppb)	Flucarbazone	N.D.	ug/L (ppb)	Nitrate as Nitrogen	6.6	mg/L (ppm)			
Alachlor OA	N.D.	ug/L (ppb)	Flucarbazone sulfonamide	N.D.	ug/L (ppb)	Norflurazon	N.D.	ug/L (ppb)			
Aldicarb	N.D.	ug/L (ppb)	Flumetsulam	N.D.	ug/L (ppb)	Norflurazon desmethyl	N.D.	ug/L (ppb)			
Aldicarb sulfone	N.D.	ug/L (ppb)	Fluroxypyr	N.D.	ug/L (ppb)	Picloram	N.D.	ug/L (ppb)			
Aldicarb sulfoxide	N.D.	ug/L (ppb)	Glutaric Acid	N.D.	ug/L (ppb)	Prometon	Q	ug/L (ppb)			
Aminocyclopyrachlor	N.D.	ug/L (ppb)	Glyphosate	N.D.	ug/L (ppb)	Propiconazole	N.D.	ug/L (ppb)			
Aminopyralid	N.D.	ug/L (ppb)	Halosulfuron methyl	N.D.	ug/L (ppb)	Prosulfuron	N.D.	ug/L (ppb)			
Atrazine	N.D.	ug/L (ppb)	Hexazinone	N.D.	ug/L (ppb)	Pyrasulfotole	N.D.	ug/L (ppb)			
Azinphos methyl	N.D.	ug/L (ppb)	Hydroxy atrazine	N.D.	ug/L (ppb)	Pyroxsulam	N.D.	ug/L (ppb)			
Azinphos methyl oxon	N.D.	ug/L (ppb)	Imazamethabenz methyl acid metabolite	N.D.	ug/L (ppb)	Saflufenacil	N.D.	ug/L (ppb)			
Azoxystrobin	N.D.	ug/L (ppb)	Imazamethabenz methyl ester	N.D.	ug/L (ppb)	Sethoxydim	N.D.	ug/L (ppb)			
Bentazon	N.D.	ug/L (ppb)	Imazamox	N.D.	ug/L (ppb)	Simazine	Q	ug/L (ppb)			
Bromacil	0.0086	ug/L (ppb)	Imazapic	N.D.	ug/L (ppb)	Sulfentrazone	N.D.	ug/L (ppb)			
Bromoxynil	N.D.	ug/L (ppb)	Imazapyr	0.013	ug/L (ppb)	Sulfometuron methyl	N.D.	ug/L (ppb)			
Carbaryl	N.D.	ug/L (ppb)	Imazethapyr	N.D.	ug/L (ppb)	Sulfosulfuron	N.D.	ug/L (ppb)			
Carbofuran	N.D.	ug/L (ppb)	Imidacloprid	N.D.	ug/L (ppb)	Tebuconazole	N.D.	ug/L (ppb)			
Chlorpyrifos	N.D.	ug/L (ppb)	Isoxaflutole	N.D.	ug/L (ppb)	Tebuthiuron	N.D.	ug/L (ppb)			
Chlorsulfuron	N.D.	ug/L (ppb)	Linuron	N.D.	ug/L (ppb)	Tembotrione	N.D.	ug/L (ppb)			
Clodinafop acid	N.D.	ug/L (ppb)	MCPA	N.D.	ug/L (ppb)	Tetraconazole	N.D.	ug/L (ppb)			
Clopyralid	N.D.	ug/L (ppb)	MCPP	N.D.	ug/L (ppb)	Thiamethoxam	N.D.	ug/L (ppb)			
DEDIA	N.D.	ug/L (ppb)	Malathion	N.D.	ug/L (ppb)	Thifensulfuron	N.D.	ug/L (ppb)			
Deethyl atrazine	Q	ug/L (ppb)	Metalaxyl	N.D.	ug/L (ppb)	Tralkoxydim	N.D.	ug/L (ppb)			

N.D. = Not detected at or above analytical method reporting limit; ppb = parts per billion; ug/L = micrograms per liter; 1ppb = 1ug/L; ppm = parts per million; mg/L = milligrams per liter; 1 ppm = 1 mg/L
Q = analyte detected below analytical method reporting limit and therefore not quantified

Sample**Date****7/25/2012****Site ID: BUTGW-2**

ANALYTE	RESULT	UNIT	ANALYTE	RESULT	UNIT	ANALYTE	RESULT	UNIT	ANALYTE	RESULT	UNIT
2,4-D	N.D.	ug/L (ppb)	Deisopropyl atrazine	Q	ug/L (ppb)	Methomyl	N.D.	ug/L (ppb)	Tralkoxydim acid	N.D.	ug/L (ppb)
3-OH Carbofuran	N.D.	ug/L (ppb)	Dicamba	N.D.	ug/L (ppb)	Metolachlor	N.D.	ug/L (ppb)	Triallate	N.D.	ug/L (ppb)
AMBA	N.D.	ug/L (ppb)	Difenoconazole	N.D.	ug/L (ppb)	Metolachlor ESA	N.D.	ug/L (ppb)	Triasulfuron	N.D.	ug/L (ppb)
AMPA	N.D.	ug/L (ppb)	Dimethenamid	N.D.	ug/L (ppb)	Metolachlor OA	N.D.	ug/L (ppb)	Triclopyr	N.D.	ug/L (ppb)
Acetochlor	N.D.	ug/L (ppb)	Dimethenamid OA	N.D.	ug/L (ppb)	Metsulfuron methyl	N.D.	ug/L (ppb)	Triticonazole	N.D.	ug/L (ppb)
Acetochlor ESA	N.D.	ug/L (ppb)	Dimethoate	N.D.	ug/L (ppb)	NOA 407854	N.D.	ug/L (ppb)			
Acetochlor OA	N.D.	ug/L (ppb)	Diuron	N.D.	ug/L (ppb)	NOA 447204	N.D.	ug/L (ppb)			
Alachlor	N.D.	ug/L (ppb)	Fenbuconazole	N.D.	ug/L (ppb)	Nicosulfuron	N.D.	ug/L (ppb)			
Alachlor ESA	N.D.	ug/L (ppb)	Flucarbazone	N.D.	ug/L (ppb)	Nitrate as Nitrogen	2.1	mg/L (ppm)			
Alachlor OA	N.D.	ug/L (ppb)	Flucarbazone sulfonamide	N.D.	ug/L (ppb)	Norflurazon	N.D.	ug/L (ppb)			
Aldicarb	N.D.	ug/L (ppb)	Flumetsulam	N.D.	ug/L (ppb)	Norflurazon desmethyl	N.D.	ug/L (ppb)			
Aldicarb sulfone	N.D.	ug/L (ppb)	Fluroxypyr	N.D.	ug/L (ppb)	Picloram	N.D.	ug/L (ppb)			
Aldicarb sulfoxide	N.D.	ug/L (ppb)	Glutaric Acid	N.D.	ug/L (ppb)	Prometon	N.D.	ug/L (ppb)			
Aminocyclopyrachlor	N.D.	ug/L (ppb)	Glyphosate	N.D.	ug/L (ppb)	Propiconazole	N.D.	ug/L (ppb)			
Aminopyralid	N.D.	ug/L (ppb)	Halosulfuron methyl	N.D.	ug/L (ppb)	Prosulfuron	N.D.	ug/L (ppb)			
Atrazine	0.12	ug/L (ppb)	Hexazinone	N.D.	ug/L (ppb)	Pyrasulfotole	N.D.	ug/L (ppb)			
Azinphos methyl	N.D.	ug/L (ppb)	Hydroxy atrazine	N.D.	ug/L (ppb)	Pyroxsulam	N.D.	ug/L (ppb)			
Azinphos methyl oxon	N.D.	ug/L (ppb)	Imazamethabenz methyl acid metabolite	N.D.	ug/L (ppb)	Saflufenacil	N.D.	ug/L (ppb)			
Azoxystrobin	N.D.	ug/L (ppb)	Imazamethabenz methyl ester	N.D.	ug/L (ppb)	Sethoxydim	N.D.	ug/L (ppb)			
Bentazon	N.D.	ug/L (ppb)	Imazamox	N.D.	ug/L (ppb)	Simazine	N.D.	ug/L (ppb)			
Bromacil	N.D.	ug/L (ppb)	Imazapic	N.D.	ug/L (ppb)	Sulfentrazone	N.D.	ug/L (ppb)			
Bromoxynil	N.D.	ug/L (ppb)	Imazapyr	N.D.	ug/L (ppb)	Sulfometuron methyl	N.D.	ug/L (ppb)			
Carbaryl	N.D.	ug/L (ppb)	Imazethapyr	N.D.	ug/L (ppb)	Sulfosulfuron	N.D.	ug/L (ppb)			
Carbofuran	N.D.	ug/L (ppb)	Imidacloprid	N.D.	ug/L (ppb)	Tebuconazole	N.D.	ug/L (ppb)			
Chlorpyrifos	N.D.	ug/L (ppb)	Isoxaflutole	N.D.	ug/L (ppb)	Tebuthiuron	N.D.	ug/L (ppb)			
Chlorsulfuron	N.D.	ug/L (ppb)	Linuron	N.D.	ug/L (ppb)	Tembotrione	N.D.	ug/L (ppb)			
Ciodinafop acid	N.D.	ug/L (ppb)	MCPA	N.D.	ug/L (ppb)	Tetraconazole	N.D.	ug/L (ppb)			
Clopyralid	N.D.	ug/L (ppb)	MCPP	N.D.	ug/L (ppb)	Thiamethoxam	N.D.	ug/L (ppb)			
DEDIA	N.D.	ug/L (ppb)	Malathion	N.D.	ug/L (ppb)	Thifensulfuron	N.D.	ug/L (ppb)			
Deethyl atrazine	0.059	ug/L (ppb)	Metalaxyl	N.D.	ug/L (ppb)	Tralkoxydim	N.D.	ug/L (ppb)			

N.D. = Not detected at or above analytical method reporting limit; ppb = parts per billion; ug/L = micograms per liter; 1ppb = 1ug/L; ppm = parts per million; mg/L = milligrams per liter; 1 ppm = 1 mg/L
Q = analyte detected below analytical method reporting limit and therefore not quantified

Sample

Date

7/25/2012

Site ID: BUTGW-3

ANALYTE	RESULT	UNIT	ANALYTE	RESULT	UNIT	ANALYTE	RESULT	UNIT	ANALYTE	RESULT	UNIT
2,4-D	N.D.	ug/L (ppb)	Deisopropyl atrazine	N.D.	ug/L (ppb)	Methomyl	N.D.	ug/L (ppb)	Tralkoxydim acid	N.D.	ug/L (ppb)
3-OH Carbofuran	N.D.	ug/L (ppb)	Dicamba	N.D.	ug/L (ppb)	Metolachlor	N.D.	ug/L (ppb)	Triallate	N.D.	ug/L (ppb)
AMBA	N.D.	ug/L (ppb)	Difenoconazole	N.D.	ug/L (ppb)	Metolachlor ESA	N.D.	ug/L (ppb)	Triasulfuron	N.D.	ug/L (ppb)
AMPA	N.D.	ug/L (ppb)	Dimethenamid	N.D.	ug/L (ppb)	Metolachlor OA	N.D.	ug/L (ppb)	Triclopyr	N.D.	ug/L (ppb)
Acetochlor	N.D.	ug/L (ppb)	Dimethenamid OA	N.D.	ug/L (ppb)	Metsulfuron methyl	N.D.	ug/L (ppb)	Triticonazole	N.D.	ug/L (ppb)
Acetochlor ESA	N.D.	ug/L (ppb)	Dimethoate	N.D.	ug/L (ppb)	NOA 407854	N.D.	ug/L (ppb)			
Acetochlor OA	N.D.	ug/L (ppb)	Diuron	N.D.	ug/L (ppb)	NOA 447204	N.D.	ug/L (ppb)			
Alachlor	N.D.	ug/L (ppb)	Fenbuconazole	N.D.	ug/L (ppb)	Nicosulfuron	N.D.	ug/L (ppb)			
Alachlor ESA	N.D.	ug/L (ppb)	Flucarbazone	N.D.	ug/L (ppb)	Nitrate as Nitrogen	4.1	mg/L (ppm)			
Alachlor OA	N.D.	ug/L (ppb)	Flucarbazone sulfonamide	N.D.	ug/L (ppb)	Norflurazon	N.D.	ug/L (ppb)			
Aldicarb	N.D.	ug/L (ppb)	Flumetsulam	N.D.	ug/L (ppb)	Norflurazon desmethyl	N.D.	ug/L (ppb)			
Aldicarb sulfone	N.D.	ug/L (ppb)	Fluroxypyr	N.D.	ug/L (ppb)	Picloram	0.3	ug/L (ppb)			
Aldicarb sulfoxide	N.D.	ug/L (ppb)	Glutaric Acid	N.D.	ug/L (ppb)	Prometon	0.0018	ug/L (ppb)			
Aminocyclopyrachlor	N.D.	ug/L (ppb)	Glyphosate	N.D.	ug/L (ppb)	Propiconazole	N.D.	ug/L (ppb)			
Aminopyralid	Q	ug/L (ppb)	Halosulfuron methyl	N.D.	ug/L (ppb)	Prosulfuron	N.D.	ug/L (ppb)			
Atrazine	Q	ug/L (ppb)	Hexazinone	N.D.	ug/L (ppb)	Pyrasulfotole	N.D.	ug/L (ppb)			
Azinphos methyl	N.D.	ug/L (ppb)	Hydroxy atrazine	N.D.	ug/L (ppb)	Pyroxsulam	N.D.	ug/L (ppb)			
Azinphos methyl oxon	N.D.	ug/L (ppb)	Imazamethabenz methyl acid metabolite	N.D.	ug/L (ppb)	Saflufenacil	N.D.	ug/L (ppb)			
Azoxystrobin	N.D.	ug/L (ppb)	Imazamethabenz methyl ester	N.D.	ug/L (ppb)	Sethoxydim	N.D.	ug/L (ppb)			
Bentazon	N.D.	ug/L (ppb)	Imazamox	N.D.	ug/L (ppb)	Simazine	Q	ug/L (ppb)			
Bromacil	N.D.	ug/L (ppb)	Imazapic	N.D.	ug/L (ppb)	Sulfentrazone	N.D.	ug/L (ppb)			
Bromoxynil	N.D.	ug/L (ppb)	Imazapyr	N.D.	ug/L (ppb)	Sulfometuron methyl	N.D.	ug/L (ppb)			
Carbaryl	N.D.	ug/L (ppb)	Imazethapyr	N.D.	ug/L (ppb)	Sulfosulfuron	N.D.	ug/L (ppb)			
Carbofuran	N.D.	ug/L (ppb)	Imidacloprid	N.D.	ug/L (ppb)	Tebuconazole	N.D.	ug/L (ppb)			
Chlorpyrifos	N.D.	ug/L (ppb)	Isoxaflutole	N.D.	ug/L (ppb)	Tebuthiuron	N.D.	ug/L (ppb)			
Chlorsulfuron	N.D.	ug/L (ppb)	Linuron	N.D.	ug/L (ppb)	Tembotrione	N.D.	ug/L (ppb)			
Clodinafop acid	N.D.	ug/L (ppb)	MCPA	Q	ug/L (ppb)	Tetraconazole	N.D.	ug/L (ppb)			
Clopyralid	N.D.	ug/L (ppb)	MCPP	N.D.	ug/L (ppb)	Thiamethoxam	N.D.	ug/L (ppb)			
DEDIA	N.D.	ug/L (ppb)	Malathion	N.D.	ug/L (ppb)	Thifensulfuron	N.D.	ug/L (ppb)			
Deethyl atrazine	Q	ug/L (ppb)	Metalaxyl	N.D.	ug/L (ppb)	Tralkoxydim	N.D.	ug/L (ppb)			

N.D. = Not detected at or above analytical method reporting limit; ppb = parts per billion; ug/L = micrograms per liter; 1ppb = 1ug/L; ppm = parts per million; mg/L = milligrams per liter; 1 ppm = 1 mg/L
Q = analyte detected below analytical method reporting limit and therefore not quantified

Sample

Date

7/25/2012

Site ID: BUTGW-4

ANALYTE	RESULT	UNIT	ANALYTE	RESULT	UNIT	ANALYTE	RESULT	UNIT	ANALYTE	RESULT	UNIT
2,4-D	N.D.	ug/L (ppb)	Deisopropyl atrazine	N.D.	ug/L (ppb)	Methomyl	N.D.	ug/L (ppb)	Tralkoxydim acid	N.D.	ug/L (ppb)
3-OH Carbofuran	N.D.	ug/L (ppb)	Dicamba	N.D.	ug/L (ppb)	Metolachlor	N.D.	ug/L (ppb)	Triallate	N.D.	ug/L (ppb)
AMBA	N.D.	ug/L (ppb)	Difenoconazole	N.D.	ug/L (ppb)	Metolachlor ESA	N.D.	ug/L (ppb)	Triasulfuron	N.D.	ug/L (ppb)
AMPA	N.D.	ug/L (ppb)	Dimethenamid	N.D.	ug/L (ppb)	Metolachlor OA	N.D.	ug/L (ppb)	Triclopyr	N.D.	ug/L (ppb)
Acetochlor	N.D.	ug/L (ppb)	Dimethenamid OA	N.D.	ug/L (ppb)	Metsulfuron methyl	Q	ug/L (ppb)	Triticonazole	N.D.	ug/L (ppb)
Acetochlor ESA	N.D.	ug/L (ppb)	Dimethoate	N.D.	ug/L (ppb)	NOA 407854	N.D.	ug/L (ppb)			
Acetochlor OA	N.D.	ug/L (ppb)	Diuron	0.029	ug/L (ppb)	NOA 447204	N.D.	ug/L (ppb)			
Alachlor	N.D.	ug/L (ppb)	Fenbuconazole	N.D.	ug/L (ppb)	Nicosulfuron	N.D.	ug/L (ppb)			
Alachlor ESA	N.D.	ug/L (ppb)	Flucarbazone	N.D.	ug/L (ppb)	Nitrate as Nitrogen	5	mg/L (ppm)			
Alachlor OA	N.D.	ug/L (ppb)	Flucarbazone sulfonamide	N.D.	ug/L (ppb)	Norflurazon	N.D.	ug/L (ppb)			
Aldicarb	N.D.	ug/L (ppb)	Flumetsulam	N.D.	ug/L (ppb)	Norflurazon desmethyl	N.D.	ug/L (ppb)			
Aldicarb sulfone	N.D.	ug/L (ppb)	Fluroxypyr	N.D.	ug/L (ppb)	Picloram	0.2	ug/L (ppb)			
Aldicarb sulfoxide	N.D.	ug/L (ppb)	Glutaric Acid	N.D.	ug/L (ppb)	Prometon	0.027	ug/L (ppb)			
Aminocyclopyrachlor	N.D.	ug/L (ppb)	Glyphosate	N.D.	ug/L (ppb)	Propiconazole	N.D.	ug/L (ppb)			
Aminopyralid	N.D.	ug/L (ppb)	Halosulfuron methyl	N.D.	ug/L (ppb)	Prosulfuron	N.D.	ug/L (ppb)			
Atrazine	0.029	ug/L (ppb)	Hexazinone	N.D.	ug/L (ppb)	Pyrasulfotole	N.D.	ug/L (ppb)			
Azinphos methyl	N.D.	ug/L (ppb)	Hydroxy atrazine	N.D.	ug/L (ppb)	Pyroxsulam	N.D.	ug/L (ppb)			
Azinphos methyl oxon	N.D.	ug/L (ppb)	Imazamethabenz methyl acid metabolite	N.D.	ug/L (ppb)	Saflufenacil	N.D.	ug/L (ppb)			
Azoxystrobin	N.D.	ug/L (ppb)	Imazamethabenz methyl ester	N.D.	ug/L (ppb)	Sethoxydim	N.D.	ug/L (ppb)			
Bentazon	N.D.	ug/L (ppb)	Imazamox	N.D.	ug/L (ppb)	Simazine	0.0084	ug/L (ppb)			
Bromacil	N.D.	ug/L (ppb)	Imazapic	N.D.	ug/L (ppb)	Sulfentrazone	N.D.	ug/L (ppb)			
Bromoxynil	N.D.	ug/L (ppb)	Imazapyr	0.087	ug/L (ppb)	Sulfometuron methyl	Q	ug/L (ppb)			
Carbaryl	N.D.	ug/L (ppb)	Imazethapyr	N.D.	ug/L (ppb)	Sulfosulfuron	N.D.	ug/L (ppb)			
Carbofuran	N.D.	ug/L (ppb)	Imidacloprid	N.D.	ug/L (ppb)	Tebuconazole	N.D.	ug/L (ppb)			
Chlorpyrifos	N.D.	ug/L (ppb)	Isoxaflutole	N.D.	ug/L (ppb)	Tebuthiuron	N.D.	ug/L (ppb)			
Chlorsulfuron	N.D.	ug/L (ppb)	Linuron	N.D.	ug/L (ppb)	Tembotrione	N.D.	ug/L (ppb)			
Ciodinafop acid	N.D.	ug/L (ppb)	MCPA	N.D.	ug/L (ppb)	Tetraconazole	N.D.	ug/L (ppb)			
Clopyralid	N.D.	ug/L (ppb)	MCPP	N.D.	ug/L (ppb)	Thiamethoxam	N.D.	ug/L (ppb)			
DEDIA	N.D.	ug/L (ppb)	Malathion	N.D.	ug/L (ppb)	Thifensulfuron	N.D.	ug/L (ppb)			
Deethyl atrazine	0.018	ug/L (ppb)	Metalaxyl	N.D.	ug/L (ppb)	Tralkoxydim	N.D.	ug/L (ppb)			

N.D. = Not detected at or above analytical method reporting limit; ppb = parts per billion; ug/L = micograms per liter; 1ppb = 1ug/L; ppm = parts per million; mg/L = milligrams per liter; 1 ppm = 1 mg/L
Q = analyte detected below analytical method reporting limit and therefore not quantified

Sample

Date

7/26/2012

Site ID: BUTGW-5

ANALYTE	RESULT	UNIT	ANALYTE	RESULT	UNIT	ANALYTE	RESULT	UNIT	ANALYTE	RESULT	UNIT
2,4-D	N.D.	ug/L (ppb)	Deisopropyl atrazine	N.D.	ug/L (ppb)	Methomyl	N.D.	ug/L (ppb)	Tralkoxydim acid	N.D.	ug/L (ppb)
3-OH Carbofuran	N.D.	ug/L (ppb)	Dicamba	N.D.	ug/L (ppb)	Metolachlor	N.D.	ug/L (ppb)	Triallate	N.D.	ug/L (ppb)
AMBA	N.D.	ug/L (ppb)	Difenoconazole	N.D.	ug/L (ppb)	Metolachlor ESA	N.D.	ug/L (ppb)	Triasulfuron	N.D.	ug/L (ppb)
AMPA	N.D.	ug/L (ppb)	Dimethenamid	N.D.	ug/L (ppb)	Metolachlor OA	N.D.	ug/L (ppb)	Triclopyr	N.D.	ug/L (ppb)
Acetochlor	N.D.	ug/L (ppb)	Dimethenamid OA	N.D.	ug/L (ppb)	Metsulfuron methyl	N.D.	ug/L (ppb)	Triticonazole	N.D.	ug/L (ppb)
Acetochlor ESA	N.D.	ug/L (ppb)	Dimethoate	N.D.	ug/L (ppb)	NOA 407854	N.D.	ug/L (ppb)			
Acetochlor OA	N.D.	ug/L (ppb)	Diuron	N.D.	ug/L (ppb)	NOA 447204	N.D.	ug/L (ppb)			
Alachlor	N.D.	ug/L (ppb)	Fenbuconazole	N.D.	ug/L (ppb)	Nicosulfuron	N.D.	ug/L (ppb)			
Alachlor ESA	N.D.	ug/L (ppb)	Flucarbazone	N.D.	ug/L (ppb)	Nitrate as Nitrogen	9.2	mg/L (ppm)			
Alachlor OA	N.D.	ug/L (ppb)	Flucarbazone sulfonamide	N.D.	ug/L (ppb)	Norflurazon	N.D.	ug/L (ppb)			
Aldicarb	N.D.	ug/L (ppb)	Flumetsulam	N.D.	ug/L (ppb)	Norflurazon desmethyl	N.D.	ug/L (ppb)			
Aldicarb sulfone	N.D.	ug/L (ppb)	Fluroxypyr	N.D.	ug/L (ppb)	Picloram	N.D.	ug/L (ppb)			
Aldicarb sulfoxide	N.D.	ug/L (ppb)	Glutaric Acid	N.D.	ug/L (ppb)	Prometon	Q	ug/L (ppb)			
Aminocyclopyrachlor	N.D.	ug/L (ppb)	Glyphosate	N.D.	ug/L (ppb)	Propiconazole	N.D.	ug/L (ppb)			
Aminopyralid	N.D.	ug/L (ppb)	Halosulfuron methyl	N.D.	ug/L (ppb)	Prosulfuron	N.D.	ug/L (ppb)			
Atrazine	0.05	ug/L (ppb)	Hexazinone	N.D.	ug/L (ppb)	Pyrasulfotole	N.D.	ug/L (ppb)			
Azinphos methyl	N.D.	ug/L (ppb)	Hydroxy atrazine	Q	ug/L (ppb)	Pyroxsulam	N.D.	ug/L (ppb)			
Azinphos methyl oxon	N.D.	ug/L (ppb)	Imazamethabenz methyl acid metabolite	N.D.	ug/L (ppb)	Saflufenacil	N.D.	ug/L (ppb)			
Azoxystrobin	N.D.	ug/L (ppb)	Imazamethabenz methyl ester	N.D.	ug/L (ppb)	Sethoxydim	N.D.	ug/L (ppb)			
Bentazon	N.D.	ug/L (ppb)	Imazamox	N.D.	ug/L (ppb)	Simazine	N.D.	ug/L (ppb)			
Bromacil	N.D.	ug/L (ppb)	Imazapic	N.D.	ug/L (ppb)	Sulfentrazone	N.D.	ug/L (ppb)			
Bromoxynil	N.D.	ug/L (ppb)	Imazapyr	N.D.	ug/L (ppb)	Sulfometuron methyl	N.D.	ug/L (ppb)			
Carbaryl	N.D.	ug/L (ppb)	Imazethapyr	N.D.	ug/L (ppb)	Sulfosulfuron	N.D.	ug/L (ppb)			
Carbofuran	N.D.	ug/L (ppb)	Imidacloprid	N.D.	ug/L (ppb)	Tebuconazole	N.D.	ug/L (ppb)			
Chlorpyrifos	N.D.	ug/L (ppb)	Isoxaflutole	N.D.	ug/L (ppb)	Tebuthiuron	N.D.	ug/L (ppb)			
Chlorsulfuron	N.D.	ug/L (ppb)	Linuron	N.D.	ug/L (ppb)	Tembotrione	N.D.	ug/L (ppb)			
Clodinafop acid	N.D.	ug/L (ppb)	MCPA	N.D.	ug/L (ppb)	Tetraconazole	N.D.	ug/L (ppb)			
Clopyralid	N.D.	ug/L (ppb)	MCPP	N.D.	ug/L (ppb)	Thiamethoxam	N.D.	ug/L (ppb)			
DEDIA	N.D.	ug/L (ppb)	Malathion	N.D.	ug/L (ppb)	Thifensulfuron	N.D.	ug/L (ppb)			
Deethyl atrazine	0.0068	ug/L (ppb)	Metaxyl	N.D.	ug/L (ppb)	Tralkoxydim	N.D.	ug/L (ppb)			

N.D. = Not detected at or above analytical method reporting limit; ppb = parts per billion; ug/L = micrograms per liter; 1ppb = 1ug/L; ppm = parts per million; mg/L = milligrams per liter; 1 ppm = 1 mg/L
Q = analyte detected below analytical method reporting limit and therefore not quantified

**Sample
Date**

7/26/2012

Site ID: BUTGW-6

ANALYTE	RESULT	UNIT	ANALYTE	RESULT	UNIT	ANALYTE	RESULT	UNIT	ANALYTE	RESULT	UNIT
2,4-D	N.D.	ug/L (ppb)	Deisopropyl atrazine	N.D.	ug/L (ppb)	Methomyl	N.D.	ug/L (ppb)	Tralkoxydim acid	N.D.	ug/L (ppb)
3-OH Carbofuran	N.D.	ug/L (ppb)	Dicamba	N.D.	ug/L (ppb)	Metolachlor	N.D.	ug/L (ppb)	Triallate	N.D.	ug/L (ppb)
AMBA	N.D.	ug/L (ppb)	Difenoconazole	N.D.	ug/L (ppb)	Metolachlor ESA	N.D.	ug/L (ppb)	Triasulfuron	N.D.	ug/L (ppb)
AMPA	N.D.	ug/L (ppb)	Dimethenamid	N.D.	ug/L (ppb)	Metolachlor OA	N.D.	ug/L (ppb)	Triclopyr	N.D.	ug/L (ppb)
Acetochlor	N.D.	ug/L (ppb)	Dimethenamid OA	N.D.	ug/L (ppb)	Metsulfuron methyl	N.D.	ug/L (ppb)	Triticonazole	N.D.	ug/L (ppb)
Acetochlor ESA	N.D.	ug/L (ppb)	Dimethoate	N.D.	ug/L (ppb)	NOA 407854	N.D.	ug/L (ppb)			
Acetochlor OA	N.D.	ug/L (ppb)	Diuron	N.D.	ug/L (ppb)	NOA 447204	N.D.	ug/L (ppb)			
Alachlor	N.D.	ug/L (ppb)	Fenbuconazole	N.D.	ug/L (ppb)	Nicosulfuron	N.D.	ug/L (ppb)			
Alachlor ESA	N.D.	ug/L (ppb)	Flucarbazone	N.D.	ug/L (ppb)	Nitrate as Nitrogen	0.76	mg/L (ppm)			
Alachlor OA	N.D.	ug/L (ppb)	Flucarbazone sulfonamide	N.D.	ug/L (ppb)	Norflurazon	N.D.	ug/L (ppb)			
Aldicarb	N.D.	ug/L (ppb)	Flumetsulam	N.D.	ug/L (ppb)	Norflurazon desmethyl	N.D.	ug/L (ppb)			
Aldicarb sulfone	N.D.	ug/L (ppb)	Fluroxypyr	N.D.	ug/L (ppb)	Picloram	N.D.	ug/L (ppb)			
Aldicarb sulfoxide	N.D.	ug/L (ppb)	Glutaric Acid	N.D.	ug/L (ppb)	Prometon	N.D.	ug/L (ppb)			
Aminocyclopyrachlor	N.D.	ug/L (ppb)	Glyphosate	N.D.	ug/L (ppb)	Propiconazole	N.D.	ug/L (ppb)			
Aminopyralid	N.D.	ug/L (ppb)	Halosulfuron methyl	N.D.	ug/L (ppb)	Prosulfuron	N.D.	ug/L (ppb)			
Atrazine	N.D.	ug/L (ppb)	Hexazinone	N.D.	ug/L (ppb)	Pyrasulfotole	N.D.	ug/L (ppb)			
Azinphos methyl	N.D.	ug/L (ppb)	Hydroxy atrazine	N.D.	ug/L (ppb)	Pyroxsulam	N.D.	ug/L (ppb)			
Azinphos methyl oxon	N.D.	ug/L (ppb)	Imazamethabenz methyl acid metabolite	N.D.	ug/L (ppb)	Saflufenacil	N.D.	ug/L (ppb)			
Azoxystrobin	N.D.	ug/L (ppb)	Imazamethabenz methyl ester	N.D.	ug/L (ppb)	Sethoxydim	N.D.	ug/L (ppb)			
Bentazon	N.D.	ug/L (ppb)	Imazamox	N.D.	ug/L (ppb)	Simazine	N.D.	ug/L (ppb)			
Bromacil	N.D.	ug/L (ppb)	Imazapic	N.D.	ug/L (ppb)	Sulfentrazone	N.D.	ug/L (ppb)			
Bromoxynil	N.D.	ug/L (ppb)	Imazapyr	N.D.	ug/L (ppb)	Sulfometuron methyl	N.D.	ug/L (ppb)			
Carbaryl	N.D.	ug/L (ppb)	Imazethapyr	N.D.	ug/L (ppb)	Sulfosulfuron	N.D.	ug/L (ppb)			
Carbofuran	N.D.	ug/L (ppb)	Imidacloprid	N.D.	ug/L (ppb)	Tebuconazole	N.D.	ug/L (ppb)			
Chlorpyrifos	N.D.	ug/L (ppb)	Isoxaflutole	N.D.	ug/L (ppb)	Tebuthiuron	N.D.	ug/L (ppb)			
Chlorsulfuron	N.D.	ug/L (ppb)	Linuron	N.D.	ug/L (ppb)	Tembotrione	N.D.	ug/L (ppb)			
Clodinafop acid	N.D.	ug/L (ppb)	MCPA	N.D.	ug/L (ppb)	Tetraconazole	N.D.	ug/L (ppb)			
Clopyralid	N.D.	ug/L (ppb)	MCPP	N.D.	ug/L (ppb)	Thiamethoxam	N.D.	ug/L (ppb)			
DEDIA	N.D.	ug/L (ppb)	Malathion	N.D.	ug/L (ppb)	Thifensulfuron	N.D.	ug/L (ppb)			
Deethyl atrazine	N.D.	ug/L (ppb)	Metaxyl	N.D.	ug/L (ppb)	Tralkoxydim	N.D.	ug/L (ppb)			

N.D. = Not detected at or above analytical method reporting limit; ppb = parts per billion; ug/L = micrograms per liter; 1ppb = 1ug/L; ppm = parts per million; mg/L = milligrams per liter; 1 ppm = 1 mg/L
Q = analyte detected below analytical method reporting limit and therefore not quantified

Sample**Date****7/26/2012****Site ID: BUTGW-7**

ANALYTE	RESULT	UNIT	ANALYTE	RESULT	UNIT	ANALYTE	RESULT	UNIT	ANALYTE	RESULT	UNIT
2,4-D	N.D.	ug/L (ppb)	Deisopropyl atrazine	N.D.	ug/L (ppb)	Methomyl	N.D.	ug/L (ppb)	Tralkoxydim acid	N.D.	ug/L (ppb)
3-OH Carbofuran	N.D.	ug/L (ppb)	Dicamba	N.D.	ug/L (ppb)	Metolachlor	N.D.	ug/L (ppb)	Triallate	N.D.	ug/L (ppb)
AMBA	N.D.	ug/L (ppb)	Difenoconazole	N.D.	ug/L (ppb)	Metolachlor ESA	N.D.	ug/L (ppb)	Triasulfuron	N.D.	ug/L (ppb)
AMPA	N.D.	ug/L (ppb)	Dimethenamid	N.D.	ug/L (ppb)	Metolachlor OA	N.D.	ug/L (ppb)	Triclopyr	N.D.	ug/L (ppb)
Acetochlor	N.D.	ug/L (ppb)	Dimethenamid OA	N.D.	ug/L (ppb)	Metsulfuron methyl	N.D.	ug/L (ppb)	Triticonazole	N.D.	ug/L (ppb)
Acetochlor ESA	N.D.	ug/L (ppb)	Dimethoate	N.D.	ug/L (ppb)	NOA 407854	N.D.	ug/L (ppb)			
Acetochlor OA	N.D.	ug/L (ppb)	Diuron	N.D.	ug/L (ppb)	NOA 447204	N.D.	ug/L (ppb)			
Alachlor	N.D.	ug/L (ppb)	Fenbuconazole	N.D.	ug/L (ppb)	Nicosulfuron	N.D.	ug/L (ppb)			
Alachlor ESA	N.D.	ug/L (ppb)	Flucarbazone	N.D.	ug/L (ppb)	Nitrate as Nitrogen	0.43	mg/L (ppm)			
Alachlor OA	N.D.	ug/L (ppb)	Flucarbazone sulfonamide	N.D.	ug/L (ppb)	Norflurazon	N.D.	ug/L (ppb)			
Aldicarb	N.D.	ug/L (ppb)	Flumetsulam	N.D.	ug/L (ppb)	Norflurazon desmethyl	N.D.	ug/L (ppb)			
Aldicarb sulfone	N.D.	ug/L (ppb)	Fluroxypyr	N.D.	ug/L (ppb)	Picloram	N.D.	ug/L (ppb)			
Aldicarb sulfoxide	N.D.	ug/L (ppb)	Glutaric Acid	N.D.	ug/L (ppb)	Prometon	N.D.	ug/L (ppb)			
Aminocyclopyrachlor	N.D.	ug/L (ppb)	Glyphosate	N.D.	ug/L (ppb)	Propiconazole	N.D.	ug/L (ppb)			
Aminopyralid	N.D.	ug/L (ppb)	Halosulfuron methyl	N.D.	ug/L (ppb)	Prosulfuron	N.D.	ug/L (ppb)			
Atrazine	N.D.	ug/L (ppb)	Hexazinone	N.D.	ug/L (ppb)	Pyrasulfotole	N.D.	ug/L (ppb)			
Azinphos methyl	N.D.	ug/L (ppb)	Hydroxy atrazine	N.D.	ug/L (ppb)	Pyroxsulam	N.D.	ug/L (ppb)			
Azinphos methyl oxon	N.D.	ug/L (ppb)	Imazamethabenz methyl acid metabolite	N.D.	ug/L (ppb)	Saflufenacil	N.D.	ug/L (ppb)			
Azoxystrobin	N.D.	ug/L (ppb)	Imazamethabenz methyl ester	N.D.	ug/L (ppb)	Sethoxydim	N.D.	ug/L (ppb)			
Bentazon	N.D.	ug/L (ppb)	Imazamox	N.D.	ug/L (ppb)	Simazine	N.D.	ug/L (ppb)			
Bromacil	N.D.	ug/L (ppb)	Imazapic	N.D.	ug/L (ppb)	Sulfentrazone	N.D.	ug/L (ppb)			
Bromoxynil	N.D.	ug/L (ppb)	Imazapyr	N.D.	ug/L (ppb)	Sulfometuron methyl	N.D.	ug/L (ppb)			
Carbaryl	N.D.	ug/L (ppb)	Imazethapyr	N.D.	ug/L (ppb)	Sulfosulfuron	N.D.	ug/L (ppb)			
Carbofuran	N.D.	ug/L (ppb)	Imidacloprid	N.D.	ug/L (ppb)	Tebuconazole	N.D.	ug/L (ppb)			
Chlorpyrifos	N.D.	ug/L (ppb)	Isoxaflutole	N.D.	ug/L (ppb)	Tebuthiuron	N.D.	ug/L (ppb)			
Chlorsulfuron	N.D.	ug/L (ppb)	Linuron	N.D.	ug/L (ppb)	Tembotrione	N.D.	ug/L (ppb)			
Clodinafop acid	N.D.	ug/L (ppb)	MCPA	N.D.	ug/L (ppb)	Tetraconazole	N.D.	ug/L (ppb)			
Clopyralid	N.D.	ug/L (ppb)	MCPP	N.D.	ug/L (ppb)	Thiamethoxam	N.D.	ug/L (ppb)			
DEDIA	N.D.	ug/L (ppb)	Malathion	N.D.	ug/L (ppb)	Thifensulfuron	N.D.	ug/L (ppb)			
Deethyl atrazine	N.D.	ug/L (ppb)	Metalaxyl	N.D.	ug/L (ppb)	Tralkoxydim	N.D.	ug/L (ppb)			

N.D. = Not detected at or above analytical method reporting limit; ppb = parts per billion; ug/L = micrograms per liter; 1ppb = 1ug/L; ppm = parts per million; mg/L = milligrams per liter; 1 ppm = 1 mg/L
Q = analyte detected below analytical method reporting limit and therefore not quantified

Sample**Date****7/26/2012****Site ID: BUTGW-8**

ANALYTE	RESULT	UNIT	ANALYTE	RESULT	UNIT	ANALYTE	RESULT	UNIT	ANALYTE	RESULT	UNIT
2,4-D	N.D.	ug/L (ppb)	Deisopropyl atrazine	N.D.	ug/L (ppb)	Methomyl	N.D.	ug/L (ppb)	Tralkoxydim acid	N.D.	ug/L (ppb)
3-OH Carbofuran	N.D.	ug/L (ppb)	Dicamba	N.D.	ug/L (ppb)	Metolachlor	N.D.	ug/L (ppb)	Triallate	N.D.	ug/L (ppb)
AMBA	N.D.	ug/L (ppb)	Difenoconazole	N.D.	ug/L (ppb)	Metolachlor ESA	N.D.	ug/L (ppb)	Triasulfuron	N.D.	ug/L (ppb)
AMPA	N.D.	ug/L (ppb)	Dimethenamid	N.D.	ug/L (ppb)	Metolachlor OA	N.D.	ug/L (ppb)	Triclopyr	N.D.	ug/L (ppb)
Acetochlor	N.D.	ug/L (ppb)	Dimethenamid OA	N.D.	ug/L (ppb)	Metsulfuron methyl	N.D.	ug/L (ppb)	Triticonazole	N.D.	ug/L (ppb)
Acetochlor ESA	N.D.	ug/L (ppb)	Dimethoate	N.D.	ug/L (ppb)	NOA 407854	N.D.	ug/L (ppb)			
Acetochlor OA	N.D.	ug/L (ppb)	Diuron	N.D.	ug/L (ppb)	NOA 447204	N.D.	ug/L (ppb)			
Alachlor	N.D.	ug/L (ppb)	Fenbuconazole	N.D.	ug/L (ppb)	Nicosulfuron	N.D.	ug/L (ppb)			
Alachlor ESA	N.D.	ug/L (ppb)	Flucarbazone	N.D.	ug/L (ppb)	Nitrate as Nitrogen	1.1	mg/L (ppm)			
Alachlor OA	N.D.	ug/L (ppb)	Flucarbazone sulfonamide	N.D.	ug/L (ppb)	Norflurazon	N.D.	ug/L (ppb)			
Aldicarb	N.D.	ug/L (ppb)	Flumetsulam	N.D.	ug/L (ppb)	Norflurazon desmethyl	N.D.	ug/L (ppb)			
Aldicarb sulfone	N.D.	ug/L (ppb)	Fluroxypyr	N.D.	ug/L (ppb)	Picloram	N.D.	ug/L (ppb)			
Aldicarb sulfoxide	N.D.	ug/L (ppb)	Glutaric Acid	N.D.	ug/L (ppb)	Prometon	N.D.	ug/L (ppb)			
Aminocyclopyrachlor	N.D.	ug/L (ppb)	Glyphosate	N.D.	ug/L (ppb)	Propiconazole	N.D.	ug/L (ppb)			
Aminopyralid	N.D.	ug/L (ppb)	Halosulfuron methyl	N.D.	ug/L (ppb)	Prosulfuron	N.D.	ug/L (ppb)			
Atrazine	N.D.	ug/L (ppb)	Hexazinone	N.D.	ug/L (ppb)	Pyrasulfotole	N.D.	ug/L (ppb)			
Azinphos methyl	N.D.	ug/L (ppb)	Hydroxy atrazine	N.D.	ug/L (ppb)	Pyroxsulam	N.D.	ug/L (ppb)			
Azinphos methyl oxon	N.D.	ug/L (ppb)	Imazamethabenz methyl acid metabolite	N.D.	ug/L (ppb)	Saflufenacil	N.D.	ug/L (ppb)			
Azoxystrobin	N.D.	ug/L (ppb)	Imazamethabenz methyl ester	N.D.	ug/L (ppb)	Sethoxydim	N.D.	ug/L (ppb)			
Bentazon	N.D.	ug/L (ppb)	Imazamox	N.D.	ug/L (ppb)	Simazine	N.D.	ug/L (ppb)			
Bromacil	N.D.	ug/L (ppb)	Imazapic	N.D.	ug/L (ppb)	Sulfentrazone	N.D.	ug/L (ppb)			
Bromoxynil	N.D.	ug/L (ppb)	Imazapyr	N.D.	ug/L (ppb)	Sulfometuron methyl	N.D.	ug/L (ppb)			
Carbaryl	N.D.	ug/L (ppb)	Imazethapyr	N.D.	ug/L (ppb)	Sulfosulfuron	N.D.	ug/L (ppb)			
Carbofuran	N.D.	ug/L (ppb)	Imidacloprid	N.D.	ug/L (ppb)	Tebuconazole	N.D.	ug/L (ppb)			
Chlorpyrifos	N.D.	ug/L (ppb)	Isoxaflutole	N.D.	ug/L (ppb)	Tebuthiuron	N.D.	ug/L (ppb)			
Chlorsulfuron	N.D.	ug/L (ppb)	Linuron	N.D.	ug/L (ppb)	Tembotrione	N.D.	ug/L (ppb)			
Clodinafop acid	N.D.	ug/L (ppb)	MCPA	N.D.	ug/L (ppb)	Tetraconazole	N.D.	ug/L (ppb)			
Clopyralid	N.D.	ug/L (ppb)	MCPP	N.D.	ug/L (ppb)	Thiamethoxam	N.D.	ug/L (ppb)			
DEDIA	N.D.	ug/L (ppb)	Malathion	N.D.	ug/L (ppb)	Thifensulfuron	N.D.	ug/L (ppb)			
Deethyl atrazine	N.D.	ug/L (ppb)	Metalaxyl	N.D.	ug/L (ppb)	Tralkoxydim	N.D.	ug/L (ppb)			

N.D. = Not detected at or above analytical method reporting limit; ppb = parts per billion; ug/L = micrograms per liter; 1ppb = 1ug/L; ppm = parts per million; mg/L = milligrams per liter; 1 ppm = 1 mg/L
Q = analyte detected below analytical method reporting limit and therefore not quantified

Sample

Date

7/26/2012

Site ID: BUTGW-9

ANALYTE	RESULT	UNIT	ANALYTE	RESULT	UNIT	ANALYTE	RESULT	UNIT	ANALYTE	RESULT	UNIT
2,4-D	N.D.	ug/L (ppb)	Deisopropyl atrazine	0.018	ug/L (ppb)	Methomyl	N.D.	ug/L (ppb)	Tralkoxydim acid	N.D.	ug/L (ppb)
3-OH Carbofuran	N.D.	ug/L (ppb)	Dicamba	N.D.	ug/L (ppb)	Metolachlor	N.D.	ug/L (ppb)	Triallate	N.D.	ug/L (ppb)
AMBA	N.D.	ug/L (ppb)	Difenoconazole	N.D.	ug/L (ppb)	Metolachlor ESA	N.D.	ug/L (ppb)	Triasulfuron	N.D.	ug/L (ppb)
AMPA	N.D.	ug/L (ppb)	Dimethenamid	N.D.	ug/L (ppb)	Metolachlor OA	N.D.	ug/L (ppb)	Triclopyr	N.D.	ug/L (ppb)
Acetochlor	N.D.	ug/L (ppb)	Dimethenamid OA	N.D.	ug/L (ppb)	Metsulfuron methyl	Q	ug/L (ppb)	Triticonazole	N.D.	ug/L (ppb)
Acetochlor ESA	N.D.	ug/L (ppb)	Dimethoate	N.D.	ug/L (ppb)	NOA 407854	N.D.	ug/L (ppb)			
Acetochlor OA	N.D.	ug/L (ppb)	Diuron	N.D.	ug/L (ppb)	NOA 447204	N.D.	ug/L (ppb)			
Alachlor	N.D.	ug/L (ppb)	Fenbuconazole	N.D.	ug/L (ppb)	Nicosulfuron	N.D.	ug/L (ppb)			
Alachlor ESA	N.D.	ug/L (ppb)	Flucarbazone	N.D.	ug/L (ppb)	Nitrate as Nitrogen	7	mg/L (ppm)			
Alachlor OA	N.D.	ug/L (ppb)	Flucarbazone sulfonamide	N.D.	ug/L (ppb)	Norflurazon	N.D.	ug/L (ppb)			
Aldicarb	N.D.	ug/L (ppb)	Flumetsulam	N.D.	ug/L (ppb)	Norflurazon desmethyl	N.D.	ug/L (ppb)			
Aldicarb sulfone	N.D.	ug/L (ppb)	Fluroxypyr	N.D.	ug/L (ppb)	Picloram	Q	ug/L (ppb)			
Aldicarb sulfoxide	N.D.	ug/L (ppb)	Glutaric Acid	N.D.	ug/L (ppb)	Prometon	0.034	ug/L (ppb)			
Aminocyclopyrachlor	N.D.	ug/L (ppb)	Glyphosate	N.D.	ug/L (ppb)	Propiconazole	N.D.	ug/L (ppb)			
Aminopyralid	N.D.	ug/L (ppb)	Halosulfuron methyl	N.D.	ug/L (ppb)	Prosulfuron	N.D.	ug/L (ppb)			
Atrazine	0.085	ug/L (ppb)	Hexazinone	N.D.	ug/L (ppb)	Pyrasulfotole	N.D.	ug/L (ppb)			
Azinphos methyl	N.D.	ug/L (ppb)	Hydroxy atrazine	N.D.	ug/L (ppb)	Pyroxusulam	N.D.	ug/L (ppb)			
Azinphos methyl oxon	N.D.	ug/L (ppb)	Imazamethabenz methyl acid metabolite	N.D.	ug/L (ppb)	Saflufenacil	N.D.	ug/L (ppb)			
Azoxystrobin	N.D.	ug/L (ppb)	Imazamethabenz methyl ester	N.D.	ug/L (ppb)	Sethoxydim	N.D.	ug/L (ppb)			
Bentazon	N.D.	ug/L (ppb)	Imazamox	N.D.	ug/L (ppb)	Simazine	0.025	ug/L (ppb)			
Bromacil	N.D.	ug/L (ppb)	Imazapic	N.D.	ug/L (ppb)	Sulfentrazone	N.D.	ug/L (ppb)			
Bromoxynil	N.D.	ug/L (ppb)	Imazapyr	Q	ug/L (ppb)	Sulfometuron methyl	N.D.	ug/L (ppb)			
Carbaryl	N.D.	ug/L (ppb)	Imazethapyr	N.D.	ug/L (ppb)	Sulfosulfuron	N.D.	ug/L (ppb)			
Carbofuran	N.D.	ug/L (ppb)	Imidacloprid	N.D.	ug/L (ppb)	Tebuconazole	N.D.	ug/L (ppb)			
Chlorpyrifos	N.D.	ug/L (ppb)	Isoxaflutole	N.D.	ug/L (ppb)	Tebuthiuron	0.13	ug/L (ppb)			
Chlorsulfuron	Q	ug/L (ppb)	Linuron	N.D.	ug/L (ppb)	Tembotrione	N.D.	ug/L (ppb)			
Clodinafop acid	N.D.	ug/L (ppb)	MCPA	N.D.	ug/L (ppb)	Tetraconazole	N.D.	ug/L (ppb)			
Clopyralid	N.D.	ug/L (ppb)	MCPP	N.D.	ug/L (ppb)	Thiamethoxam	N.D.	ug/L (ppb)			
DEDIA	N.D.	ug/L (ppb)	Malathion	N.D.	ug/L (ppb)	Thifensulfuron	N.D.	ug/L (ppb)			
Deethyl atrazine	0.055	ug/L (ppb)	Metaxyl	N.D.	ug/L (ppb)	Tralkoxydim	N.D.	ug/L (ppb)			

N.D. = Not detected at or above analytical method reporting limit; ppb = parts per billion; ug/L = micrograms per liter; 1ppb = 1ug/L; ppm = parts per million; mg/L = milligrams per liter; 1 ppm = 1 mg/L
Q = analyte detected below analytical method reporting limit and therefore not quantified

**Sample
Date**

7/26/2012

Site ID: BUTGW-10

ANALYTE	RESULT	UNIT	ANALYTE	RESULT	UNIT	ANALYTE	RESULT	UNIT	ANALYTE	RESULT	UNIT
2,4-D	N.D.	ug/L (ppb)	Deisopropyl atrazine	N.D.	ug/L (ppb)	Methomyl	N.D.	ug/L (ppb)	Tralkoxydim acid	N.D.	ug/L (ppb)
3-OH Carbofuran	N.D.	ug/L (ppb)	Dicamba	N.D.	ug/L (ppb)	Metolachlor	N.D.	ug/L (ppb)	Triallate	N.D.	ug/L (ppb)
AMBA	N.D.	ug/L (ppb)	Difenoconazole	N.D.	ug/L (ppb)	Metolachlor ESA	N.D.	ug/L (ppb)	Triasulfuron	N.D.	ug/L (ppb)
AMPA	N.D.	ug/L (ppb)	Dimethenamid	N.D.	ug/L (ppb)	Metolachlor OA	N.D.	ug/L (ppb)	Triclopyr	N.D.	ug/L (ppb)
Acetochlor	N.D.	ug/L (ppb)	Dimethenamid OA	N.D.	ug/L (ppb)	Metsulfuron methyl	N.D.	ug/L (ppb)	Triticonazole	N.D.	ug/L (ppb)
Acetochlor ESA	N.D.	ug/L (ppb)	Dimethoate	N.D.	ug/L (ppb)	NOA 407854	N.D.	ug/L (ppb)			
Acetochlor OA	N.D.	ug/L (ppb)	Diuron	N.D.	ug/L (ppb)	NOA 447204	N.D.	ug/L (ppb)			
Alachlor	N.D.	ug/L (ppb)	Fenbuconazole	N.D.	ug/L (ppb)	Nicosulfuron	N.D.	ug/L (ppb)			
Alachlor ESA	N.D.	ug/L (ppb)	Flucarbazone	N.D.	ug/L (ppb)	Nitrate as Nitrogen	0.88	mg/L (ppm)			
Alachlor OA	N.D.	ug/L (ppb)	Flucarbazone sulfonamide	N.D.	ug/L (ppb)	Norflurazon	N.D.	ug/L (ppb)			
Aldicarb	N.D.	ug/L (ppb)	Flumetsulam	N.D.	ug/L (ppb)	Norflurazon desmethyl	N.D.	ug/L (ppb)			
Aldicarb sulfone	N.D.	ug/L (ppb)	Fluroxypyr	N.D.	ug/L (ppb)	Picloram	N.D.	ug/L (ppb)			
Aldicarb sulfoxide	N.D.	ug/L (ppb)	Glutaric Acid	N.D.	ug/L (ppb)	Prometon	N.D.	ug/L (ppb)			
Aminocyclopyrachlor	N.D.	ug/L (ppb)	Glyphosate	N.D.	ug/L (ppb)	Propiconazole	N.D.	ug/L (ppb)			
Aminopyralid	N.D.	ug/L (ppb)	Halosulfuron methyl	N.D.	ug/L (ppb)	Prosulfuron	N.D.	ug/L (ppb)			
Atrazine	N.D.	ug/L (ppb)	Hexazinone	N.D.	ug/L (ppb)	Pyrasulfotole	N.D.	ug/L (ppb)			
Azinphos methyl	N.D.	ug/L (ppb)	Hydroxy atrazine	N.D.	ug/L (ppb)	Pyroxsulam	N.D.	ug/L (ppb)			
Azinphos methyl oxon	N.D.	ug/L (ppb)	Imazamethabenz methyl acid metabolite	N.D.	ug/L (ppb)	Saflufenacil	N.D.	ug/L (ppb)			
Azoxystrobin	N.D.	ug/L (ppb)	Imazamethabenz methyl ester	N.D.	ug/L (ppb)	Sethoxydim	N.D.	ug/L (ppb)			
Bentazon	N.D.	ug/L (ppb)	Imazamox	N.D.	ug/L (ppb)	Simazine	N.D.	ug/L (ppb)			
Bromacil	N.D.	ug/L (ppb)	Imazapic	N.D.	ug/L (ppb)	Sulfentrazone	N.D.	ug/L (ppb)			
Bromoxynil	N.D.	ug/L (ppb)	Imazapyr	N.D.	ug/L (ppb)	Sulfometuron methyl	N.D.	ug/L (ppb)			
Carbaryl	N.D.	ug/L (ppb)	Imazethapyr	N.D.	ug/L (ppb)	Sulfosulfuron	N.D.	ug/L (ppb)			
Carbofuran	N.D.	ug/L (ppb)	Imidacloprid	N.D.	ug/L (ppb)	Tebuconazole	N.D.	ug/L (ppb)			
Chlorpyrifos	N.D.	ug/L (ppb)	Isoxaflutole	N.D.	ug/L (ppb)	Tebuthiuron	N.D.	ug/L (ppb)			
Chlorsulfuron	N.D.	ug/L (ppb)	Linuron	N.D.	ug/L (ppb)	Tembotrione	N.D.	ug/L (ppb)			
Clodinafop acid	N.D.	ug/L (ppb)	MCPA	N.D.	ug/L (ppb)	Tetraconazole	N.D.	ug/L (ppb)			
Clopyralid	N.D.	ug/L (ppb)	MCPP	N.D.	ug/L (ppb)	Thiamethoxam	N.D.	ug/L (ppb)			
DEDIA	N.D.	ug/L (ppb)	Malathion	N.D.	ug/L (ppb)	Thifensulfuron	N.D.	ug/L (ppb)			
Deethyl atrazine	N.D.	ug/L (ppb)	Metalaxyl	N.D.	ug/L (ppb)	Tralkoxydim	N.D.	ug/L (ppb)			

N.D. = Not detected at or above analytical method reporting limit; ppb = parts per billion; ug/L = micrograms per liter; 1ppb = 1ug/L; ppm = parts per million; mg/L = milligrams per liter; 1 ppm = 1 mg/L
Q = analyte detected below analytical method reporting limit and therefore not quantified

Sample**Date****7/26/2012****Site ID: BUTGW-11**

ANALYTE	RESULT	UNIT	ANALYTE	RESULT	UNIT	ANALYTE	RESULT	UNIT	ANALYTE	RESULT	UNIT
2,4-D	N.D.	ug/L (ppb)	Deisopropyl atrazine	N.D.	ug/L (ppb)	Methomyl	N.D.	ug/L (ppb)	Tralkoxydim acid	N.D.	ug/L (ppb)
3-OH Carbofuran	N.D.	ug/L (ppb)	Dicamba	N.D.	ug/L (ppb)	Metolachlor	N.D.	ug/L (ppb)	Triallate	N.D.	ug/L (ppb)
AMBA	N.D.	ug/L (ppb)	Difenoconazole	N.D.	ug/L (ppb)	Metolachlor ESA	N.D.	ug/L (ppb)	Triasulfuron	N.D.	ug/L (ppb)
AMPA	N.D.	ug/L (ppb)	Dimethenamid	N.D.	ug/L (ppb)	Metolachlor OA	N.D.	ug/L (ppb)	Triclopyr	N.D.	ug/L (ppb)
Acetochlor	N.D.	ug/L (ppb)	Dimethenamid OA	N.D.	ug/L (ppb)	Metsulfuron methyl	N.D.	ug/L (ppb)	Triticonazole	N.D.	ug/L (ppb)
Acetochlor ESA	N.D.	ug/L (ppb)	Dimethoate	N.D.	ug/L (ppb)	NOA 407854	N.D.	ug/L (ppb)			
Acetochlor OA	N.D.	ug/L (ppb)	Diuron	N.D.	ug/L (ppb)	NOA 447204	N.D.	ug/L (ppb)			
Alachlor	N.D.	ug/L (ppb)	Fenbuconazole	N.D.	ug/L (ppb)	Nicosulfuron	N.D.	ug/L (ppb)			
Alachlor ESA	N.D.	ug/L (ppb)	Flucarbazone	N.D.	ug/L (ppb)	Nitrate as Nitrogen	5.5	mg/L (ppm)			
Alachlor OA	N.D.	ug/L (ppb)	Flucarbazone sulfonamide	N.D.	ug/L (ppb)	Norflurazon	N.D.	ug/L (ppb)			
Aldicarb	N.D.	ug/L (ppb)	Flumetsulam	N.D.	ug/L (ppb)	Norflurazon desmethyl	N.D.	ug/L (ppb)			
Aldicarb sulfone	N.D.	ug/L (ppb)	Fluroxypyr	N.D.	ug/L (ppb)	Picloram	N.D.	ug/L (ppb)			
Aldicarb sulfoxide	N.D.	ug/L (ppb)	Glutaric Acid	N.D.	ug/L (ppb)	Prometon	N.D.	ug/L (ppb)			
Aminocyclopyrachlor	N.D.	ug/L (ppb)	Glyphosate	N.D.	ug/L (ppb)	Propiconazole	N.D.	ug/L (ppb)			
Aminopyralid	N.D.	ug/L (ppb)	Halosulfuron methyl	N.D.	ug/L (ppb)	Prosulfuron	N.D.	ug/L (ppb)			
Atrazine	N.D.	ug/L (ppb)	Hexazinone	N.D.	ug/L (ppb)	Pyrasulfotole	N.D.	ug/L (ppb)			
Azinphos methyl	N.D.	ug/L (ppb)	Hydroxy atrazine	N.D.	ug/L (ppb)	Pyroxsulam	N.D.	ug/L (ppb)			
Azinphos methyl oxon	N.D.	ug/L (ppb)	Imazamethabenz methyl acid metabolite	N.D.	ug/L (ppb)	Saflufenacil	N.D.	ug/L (ppb)			
Azoxystrobin	N.D.	ug/L (ppb)	Imazamethabenz methyl ester	N.D.	ug/L (ppb)	Sethoxydim	N.D.	ug/L (ppb)			
Bentazon	N.D.	ug/L (ppb)	Imazamox	N.D.	ug/L (ppb)	Simazine	N.D.	ug/L (ppb)			
Bromacil	N.D.	ug/L (ppb)	Imazapic	N.D.	ug/L (ppb)	Sulfentrazone	N.D.	ug/L (ppb)			
Bromoxynil	N.D.	ug/L (ppb)	Imazapyr	N.D.	ug/L (ppb)	Sulfometuron methyl	N.D.	ug/L (ppb)			
Carbaryl	N.D.	ug/L (ppb)	Imazethapyr	N.D.	ug/L (ppb)	Sulfosulfuron	N.D.	ug/L (ppb)			
Carbofuran	N.D.	ug/L (ppb)	Imidacloprid	N.D.	ug/L (ppb)	Tebuconazole	N.D.	ug/L (ppb)			
Chlorpyrifos	N.D.	ug/L (ppb)	Isoxaflutole	N.D.	ug/L (ppb)	Tebuthiuron	N.D.	ug/L (ppb)			
Chlorsulfuron	N.D.	ug/L (ppb)	Linuron	N.D.	ug/L (ppb)	Tembotrione	N.D.	ug/L (ppb)			
Clodinafop acid	N.D.	ug/L (ppb)	MCPA	N.D.	ug/L (ppb)	Tetraconazole	N.D.	ug/L (ppb)			
Clopyralid	N.D.	ug/L (ppb)	MCPP	N.D.	ug/L (ppb)	Thiamethoxam	N.D.	ug/L (ppb)			
DEDIA	N.D.	ug/L (ppb)	Malathion	N.D.	ug/L (ppb)	Thifensulfuron	N.D.	ug/L (ppb)			
Deethyl atrazine	N.D.	ug/L (ppb)	Metalaxyl	N.D.	ug/L (ppb)	Tralkoxydim	N.D.	ug/L (ppb)			

N.D. = Not detected at or above analytical method reporting limit; ppb = parts per billion; ug/L = micrograms per liter; 1ppb = 1ug/L; ppm = parts per million; mg/L = milligrams per liter; 1 ppm = 1 mg/L
Q = analyte detected below analytical method reporting limit and therefore not quantified

Sample**Date****7/27/2012****Site ID: BUTGW-12**

ANALYTE	RESULT	UNIT	ANALYTE	RESULT	UNIT	ANALYTE	RESULT	UNIT	ANALYTE	RESULT	UNIT
2,4-D	N.D.	ug/L (ppb)	Deisopropyl atrazine	N.D.	ug/L (ppb)	Methomyl	N.D.	ug/L (ppb)	Tralkoxydim acid	N.D.	ug/L (ppb)
3-OH Carbofuran	N.D.	ug/L (ppb)	Dicamba	N.D.	ug/L (ppb)	Metolachlor	N.D.	ug/L (ppb)	Triallate	N.D.	ug/L (ppb)
AMBA	N.D.	ug/L (ppb)	Difenoconazole	N.D.	ug/L (ppb)	Metolachlor ESA	N.D.	ug/L (ppb)	Triasulfuron	N.D.	ug/L (ppb)
AMPA	N.D.	ug/L (ppb)	Dimethenamid	N.D.	ug/L (ppb)	Metolachlor OA	N.D.	ug/L (ppb)	Triclopyr	N.D.	ug/L (ppb)
Acetochlor	N.D.	ug/L (ppb)	Dimethenamid OA	N.D.	ug/L (ppb)	Metsulfuron methyl	N.D.	ug/L (ppb)	Triticonazole	N.D.	ug/L (ppb)
Acetochlor ESA	N.D.	ug/L (ppb)	Dimethoate	N.D.	ug/L (ppb)	NOA 407854	N.D.	ug/L (ppb)			
Acetochlor OA	N.D.	ug/L (ppb)	Diuron	N.D.	ug/L (ppb)	NOA 447204	N.D.	ug/L (ppb)			
Alachlor	N.D.	ug/L (ppb)	Fenbuconazole	N.D.	ug/L (ppb)	Nicosulfuron	N.D.	ug/L (ppb)			
Alachlor ESA	N.D.	ug/L (ppb)	Flucarbazone	N.D.	ug/L (ppb)	Nitrate as Nitrogen	1.7	mg/L (ppm)			
Alachlor OA	N.D.	ug/L (ppb)	Flucarbazone sulfonamide	N.D.	ug/L (ppb)	Norflurazon	N.D.	ug/L (ppb)			
Aldicarb	N.D.	ug/L (ppb)	Flumetsulam	N.D.	ug/L (ppb)	Norflurazon desmethyl	N.D.	ug/L (ppb)			
Aldicarb sulfone	N.D.	ug/L (ppb)	Fluroxypyr	N.D.	ug/L (ppb)	Picloram	N.D.	ug/L (ppb)			
Aldicarb sulfoxide	N.D.	ug/L (ppb)	Glutaric Acid	N.D.	ug/L (ppb)	Prometon	0.0022	ug/L (ppb)			
Aminocyclopyrachlor	N.D.	ug/L (ppb)	Glyphosate	N.D.	ug/L (ppb)	Propiconazole	N.D.	ug/L (ppb)			
Aminopyralid	N.D.	ug/L (ppb)	Halosulfuron methyl	N.D.	ug/L (ppb)	Prosulfuron	N.D.	ug/L (ppb)			
Atrazine	N.D.	ug/L (ppb)	Hexazinone	N.D.	ug/L (ppb)	Pyrasulfotole	N.D.	ug/L (ppb)			
Azinphos methyl	N.D.	ug/L (ppb)	Hydroxy atrazine	N.D.	ug/L (ppb)	Pyroxsulam	N.D.	ug/L (ppb)			
Azinphos methyl oxon	N.D.	ug/L (ppb)	Imazamethabenz methyl acid metabolite	N.D.	ug/L (ppb)	Saflufenacil	N.D.	ug/L (ppb)			
Azoxystrobin	N.D.	ug/L (ppb)	Imazamethabenz methyl ester	N.D.	ug/L (ppb)	Sethoxydim	N.D.	ug/L (ppb)			
Bentazon	N.D.	ug/L (ppb)	Imazamox	N.D.	ug/L (ppb)	Simazine	N.D.	ug/L (ppb)			
Bromacil	N.D.	ug/L (ppb)	Imazapic	N.D.	ug/L (ppb)	Sulfentrazone	N.D.	ug/L (ppb)			
Bromoxynil	N.D.	ug/L (ppb)	Imazapyr	N.D.	ug/L (ppb)	Sulfometuron methyl	N.D.	ug/L (ppb)			
Carbaryl	N.D.	ug/L (ppb)	Imazethapyr	N.D.	ug/L (ppb)	Sulfosulfuron	N.D.	ug/L (ppb)			
Carbofuran	N.D.	ug/L (ppb)	Imidacloprid	N.D.	ug/L (ppb)	Tebuconazole	N.D.	ug/L (ppb)			
Chlorpyrifos	N.D.	ug/L (ppb)	Isoxaflutole	N.D.	ug/L (ppb)	Tebuthiuron	N.D.	ug/L (ppb)			
Chlorsulfuron	N.D.	ug/L (ppb)	Linuron	N.D.	ug/L (ppb)	Tembotrione	N.D.	ug/L (ppb)			
Clodinafop acid	N.D.	ug/L (ppb)	MCPA	N.D.	ug/L (ppb)	Tetraconazole	N.D.	ug/L (ppb)			
Clopyralid	N.D.	ug/L (ppb)	MCPP	N.D.	ug/L (ppb)	Thiamethoxam	N.D.	ug/L (ppb)			
DEDIA	N.D.	ug/L (ppb)	Malathion	N.D.	ug/L (ppb)	Thifensulfuron	N.D.	ug/L (ppb)			
Deethyl atrazine	N.D.	ug/L (ppb)	Metalaxyl	N.D.	ug/L (ppb)	Tralkoxydim	N.D.	ug/L (ppb)			

N.D. = Not detected at or above analytical method reporting limit; ppb = parts per billion; ug/L = micrograms per liter; 1ppb = 1ug/L; ppm = parts per million; mg/L = milligrams per liter; 1 ppm = 1 mg/L
Q = analyte detected below analytical method reporting limit and therefore not quantified

Sample

Date

7/30/2012

Site ID: BUTGW-13

ANALYTE	RESULT	UNIT	ANALYTE	RESULT	UNIT	ANALYTE	RESULT	UNIT	ANALYTE	RESULT	UNIT
2,4-D	N.D.	ug/L (ppb)	Deisopropyl atrazine	N.D.	ug/L (ppb)	Methomyl	N.D.	ug/L (ppb)	Tralkoxydim acid	N.D.	ug/L (ppb)
3-OH Carbofuran	N.D.	ug/L (ppb)	Dicamba	N.D.	ug/L (ppb)	Metolachlor	N.D.	ug/L (ppb)	Triallate	N.D.	ug/L (ppb)
AMBA	N.D.	ug/L (ppb)	Difenoconazole	N.D.	ug/L (ppb)	Metolachlor ESA	N.D.	ug/L (ppb)	Triasulfuron	N.D.	ug/L (ppb)
AMPA	N.D.	ug/L (ppb)	Dimethenamid	N.D.	ug/L (ppb)	Metolachlor OA	N.D.	ug/L (ppb)	Triclopyr	N.D.	ug/L (ppb)
Acetochlor	N.D.	ug/L (ppb)	Dimethenamid OA	N.D.	ug/L (ppb)	Metsulfuron methyl	N.D.	ug/L (ppb)	Triticonazole	N.D.	ug/L (ppb)
Acetochlor ESA	N.D.	ug/L (ppb)	Dimethoate	N.D.	ug/L (ppb)	NOA 407854	N.D.	ug/L (ppb)			
Acetochlor OA	N.D.	ug/L (ppb)	Diuron	N.D.	ug/L (ppb)	NOA 447204	N.D.	ug/L (ppb)			
Alachlor	N.D.	ug/L (ppb)	Fenbuconazole	N.D.	ug/L (ppb)	Nicosulfuron	N.D.	ug/L (ppb)			
Alachlor ESA	N.D.	ug/L (ppb)	Flucarbazone	N.D.	ug/L (ppb)	Nitrate as Nitrogen	4.2	mg/L (ppm)			
Alachlor OA	N.D.	ug/L (ppb)	Flucarbazone sulfonamide	N.D.	ug/L (ppb)	Norflurazon	N.D.	ug/L (ppb)			
Aldicarb	N.D.	ug/L (ppb)	Flumetsulam	N.D.	ug/L (ppb)	Norflurazon desmethyl	N.D.	ug/L (ppb)			
Aldicarb sulfone	N.D.	ug/L (ppb)	Fluroxypyr	N.D.	ug/L (ppb)	Picloram	N.D.	ug/L (ppb)			
Aldicarb sulfoxide	N.D.	ug/L (ppb)	Glutaric Acid	N.D.	ug/L (ppb)	Prometon	0.0011	ug/L (ppb)			
Aminocyclopyrachlor	N.D.	ug/L (ppb)	Glyphosate	N.D.	ug/L (ppb)	Propiconazole	N.D.	ug/L (ppb)			
Aminopyralid	N.D.	ug/L (ppb)	Halosulfuron methyl	N.D.	ug/L (ppb)	Prosulfuron	N.D.	ug/L (ppb)			
Atrazine	0.028	ug/L (ppb)	Hexazinone	N.D.	ug/L (ppb)	Pyrasulfotole	N.D.	ug/L (ppb)			
Azinphos methyl	N.D.	ug/L (ppb)	Hydroxy atrazine	N.D.	ug/L (ppb)	Pyroxsulam	N.D.	ug/L (ppb)			
Azinphos methyl oxon	N.D.	ug/L (ppb)	Imazamethabenz methyl acid metabolite	N.D.	ug/L (ppb)	Saflufenacil	N.D.	ug/L (ppb)			
Azoxystrobin	N.D.	ug/L (ppb)	Imazamethabenz methyl ester	N.D.	ug/L (ppb)	Sethoxydim	N.D.	ug/L (ppb)			
Bentazon	N.D.	ug/L (ppb)	Imazamox	N.D.	ug/L (ppb)	Simazine	Q	ug/L (ppb)			
Bromacil	N.D.	ug/L (ppb)	Imazapic	N.D.	ug/L (ppb)	Sulfentrazone	N.D.	ug/L (ppb)			
Bromoxynil	N.D.	ug/L (ppb)	Imazapyr	Q	ug/L (ppb)	Sulfometuron methyl	N.D.	ug/L (ppb)			
Carbaryl	N.D.	ug/L (ppb)	Imazethapyr	N.D.	ug/L (ppb)	Sulfosulfuron	N.D.	ug/L (ppb)			
Carbofuran	N.D.	ug/L (ppb)	Imidacloprid	N.D.	ug/L (ppb)	Tebuconazole	N.D.	ug/L (ppb)			
Chlorpyrifos	N.D.	ug/L (ppb)	Isoxaflutole	N.D.	ug/L (ppb)	Tebuthiuron	N.D.	ug/L (ppb)			
Chlorsulfuron	N.D.	ug/L (ppb)	Linuron	N.D.	ug/L (ppb)	Tembotrione	N.D.	ug/L (ppb)			
Clodinafop acid	N.D.	ug/L (ppb)	MCPA	N.D.	ug/L (ppb)	Tetraconazole	N.D.	ug/L (ppb)			
Clopyralid	N.D.	ug/L (ppb)	MCPP	N.D.	ug/L (ppb)	Thiamethoxam	N.D.	ug/L (ppb)			
DEDIA	N.D.	ug/L (ppb)	Malathion	N.D.	ug/L (ppb)	Thifensulfuron	N.D.	ug/L (ppb)			
Deethyl atrazine	0.016	ug/L (ppb)	Metalaxyl	N.D.	ug/L (ppb)	Tralkoxydim	N.D.	ug/L (ppb)			

N.D. = Not detected at or above analytical method reporting limit; ppb = parts per billion; ug/L = micrograms per liter; 1ppb = 1 ug/L; ppm = parts per million; mg/L = milligrams per liter; 1 ppm = 1 mg/L
Q = analyte detected below analytical method reporting limit and therefore not quantified

Sample

Date

7/30/2012

Site ID: BUTGW-14

ANALYTE	RESULT	UNIT	ANALYTE	RESULT	UNIT	ANALYTE	RESULT	UNIT	ANALYTE	RESULT	UNIT
2,4-D	N.D.	ug/L (ppb)	Deisopropyl atrazine	Q	ug/L (ppb)	Methomyl	N.D.	ug/L (ppb)	Tralkoxydim acid	N.D.	ug/L (ppb)
3-OH Carbofuran	N.D.	ug/L (ppb)	Dicamba	N.D.	ug/L (ppb)	Metolachlor	N.D.	ug/L (ppb)	Triallate	N.D.	ug/L (ppb)
AMBA	N.D.	ug/L (ppb)	Difenoconazole	N.D.	ug/L (ppb)	Metolachlor ESA	N.D.	ug/L (ppb)	Triasulfuron	N.D.	ug/L (ppb)
AMPA	N.D.	ug/L (ppb)	Dimethenamid	N.D.	ug/L (ppb)	Metolachlor OA	N.D.	ug/L (ppb)	Triclopyr	N.D.	ug/L (ppb)
Acetochlor	N.D.	ug/L (ppb)	Dimethenamid OA	N.D.	ug/L (ppb)	Metsulfuron methyl	N.D.	ug/L (ppb)	Triticonazole	N.D.	ug/L (ppb)
Acetochlor ESA	N.D.	ug/L (ppb)	Dimethoate	N.D.	ug/L (ppb)	NOA 407854	N.D.	ug/L (ppb)			
Acetochlor OA	N.D.	ug/L (ppb)	Diuron	N.D.	ug/L (ppb)	NOA 447204	N.D.	ug/L (ppb)			
Alachlor	N.D.	ug/L (ppb)	Fenbuconazole	N.D.	ug/L (ppb)	Nicosulfuron	N.D.	ug/L (ppb)			
Alachlor ESA	N.D.	ug/L (ppb)	Flucarbazon	N.D.	ug/L (ppb)	Nitrate as Nitrogen	3.5	mg/L (ppm)			
Alachlor OA	N.D.	ug/L (ppb)	Flucarbazon sulfonamide	N.D.	ug/L (ppb)	Norflurazon	N.D.	ug/L (ppb)			
Aldicarb	N.D.	ug/L (ppb)	Flumetsulam	N.D.	ug/L (ppb)	Norflurazon desmethyl	N.D.	ug/L (ppb)			
Aldicarb sulfone	N.D.	ug/L (ppb)	Fluroxypyr	N.D.	ug/L (ppb)	Picloram	N.D.	ug/L (ppb)			
Aldicarb sulfoxide	N.D.	ug/L (ppb)	Glutaric Acid	N.D.	ug/L (ppb)	Prometon	0.0017	ug/L (ppb)			
Aminocyclopyrachlor	N.D.	ug/L (ppb)	Glyphosate	N.D.	ug/L (ppb)	Propiconazole	N.D.	ug/L (ppb)			
Aminopyralid	N.D.	ug/L (ppb)	Halosulfuron methyl	N.D.	ug/L (ppb)	Prosulfuron	N.D.	ug/L (ppb)			
Atrazine	0.14	ug/L (ppb)	Hexazinone	N.D.	ug/L (ppb)	Pyrasulfotole	N.D.	ug/L (ppb)			
Azinphos methyl	N.D.	ug/L (ppb)	Hydroxy atrazine	N.D.	ug/L (ppb)	Pyroxsulam	N.D.	ug/L (ppb)			
Azinphos methyl oxon	N.D.	ug/L (ppb)	Imazamethabenz methyl acid metabolite	N.D.	ug/L (ppb)	Saflufenacil	N.D.	ug/L (ppb)			
Azoxystrobin	N.D.	ug/L (ppb)	Imazamethabenz methyl ester	N.D.	ug/L (ppb)	Sethoxydim	N.D.	ug/L (ppb)			
Bentazon	N.D.	ug/L (ppb)	Imazamox	N.D.	ug/L (ppb)	Simazine	N.D.	ug/L (ppb)			
Bromacil	N.D.	ug/L (ppb)	Imazapic	N.D.	ug/L (ppb)	Sulfentrazone	N.D.	ug/L (ppb)			
Bromoxynil	N.D.	ug/L (ppb)	Imazapyr	N.D.	ug/L (ppb)	Sulfometuron methyl	N.D.	ug/L (ppb)			
Carbaryl	N.D.	ug/L (ppb)	Imazethapyr	N.D.	ug/L (ppb)	Sulfosulfuron	N.D.	ug/L (ppb)			
Carbofuran	N.D.	ug/L (ppb)	Imidacloprid	N.D.	ug/L (ppb)	Tebuconazole	N.D.	ug/L (ppb)			
Chlorpyrifos	N.D.	ug/L (ppb)	Isoxaflutole	N.D.	ug/L (ppb)	Tebuthiuron	N.D.	ug/L (ppb)			
Chlorsulfuron	N.D.	ug/L (ppb)	Linuron	N.D.	ug/L (ppb)	Tembotrione	N.D.	ug/L (ppb)			
Clodinafop acid	N.D.	ug/L (ppb)	MCPA	N.D.	ug/L (ppb)	Tetraconazole	N.D.	ug/L (ppb)			
Clopyralid	N.D.	ug/L (ppb)	MCPP	N.D.	ug/L (ppb)	Thiamethoxam	N.D.	ug/L (ppb)			
DEDIA	N.D.	ug/L (ppb)	Malathion	N.D.	ug/L (ppb)	Thifensulfuron	N.D.	ug/L (ppb)			
Deethyl atrazine	0.053	ug/L (ppb)	Metaxyl	N.D.	ug/L (ppb)	Tralkoxydim	N.D.	ug/L (ppb)			

N.D. = Not detected at or above analytical method reporting limit; ppb = parts per billion; ug/L = micrograms per liter; 1ppb = 1ug/L; ppm = parts per million; mg/L = milligrams per liter; 1 ppm = 1 mg/L
 Q = analyte detected below analytical method reporting limit and therefore not quantified

Sample**Date**

7/30/2012

Site ID: BUTGW-15

ANALYTE	RESULT	UNIT	ANALYTE	RESULT	UNIT	ANALYTE	RESULT	UNIT	ANALYTE	RESULT	UNIT
2,4-D	N.D.	ug/L (ppb)	Deisopropyl atrazine	N.D.	ug/L (ppb)	Methomyl	N.D.	ug/L (ppb)	Tralkoxydim acid	N.D.	ug/L (ppb)
3-OH Carbofuran	N.D.	ug/L (ppb)	Dicamba	N.D.	ug/L (ppb)	Metolachlor	N.D.	ug/L (ppb)	Triallate	N.D.	ug/L (ppb)
AMBA	N.D.	ug/L (ppb)	Difenoconazole	N.D.	ug/L (ppb)	Metolachlor ESA	N.D.	ug/L (ppb)	Triasulfuron	N.D.	ug/L (ppb)
AMPA	N.D.	ug/L (ppb)	Dimethenamid	N.D.	ug/L (ppb)	Metolachlor OA	N.D.	ug/L (ppb)	Triclopyr	N.D.	ug/L (ppb)
Acetochlor	N.D.	ug/L (ppb)	Dimethenamid OA	N.D.	ug/L (ppb)	Metsulfuron methyl	N.D.	ug/L (ppb)	Triticonazole	N.D.	ug/L (ppb)
Acetochlor ESA	N.D.	ug/L (ppb)	Dimethoate	N.D.	ug/L (ppb)	NOA 407854	N.D.	ug/L (ppb)			
Acetochlor OA	N.D.	ug/L (ppb)	Diuron	N.D.	ug/L (ppb)	NOA 447204	N.D.	ug/L (ppb)			
Alachlor	N.D.	ug/L (ppb)	Fenbuconazole	N.D.	ug/L (ppb)	Nicosulfuron	N.D.	ug/L (ppb)			
Alachlor ESA	N.D.	ug/L (ppb)	Flucarbazone	N.D.	ug/L (ppb)	Nitrate as Nitrogen	2.7	mg/L (ppm)			
Alachlor OA	N.D.	ug/L (ppb)	Flucarbazone sulfonamide	N.D.	ug/L (ppb)	Norflurazon	N.D.	ug/L (ppb)			
Aldicarb	N.D.	ug/L (ppb)	Flumetsulam	N.D.	ug/L (ppb)	Norflurazon desmethyl	N.D.	ug/L (ppb)			
Aldicarb sulfone	N.D.	ug/L (ppb)	Fluroxypyr	N.D.	ug/L (ppb)	Picloram	N.D.	ug/L (ppb)			
Aldicarb sulfoxide	N.D.	ug/L (ppb)	Glutaric Acid	N.D.	ug/L (ppb)	Prometon	N.D.	ug/L (ppb)			
Aminocyclopyrachlor	N.D.	ug/L (ppb)	Glyphosate	N.D.	ug/L (ppb)	Propiconazole	N.D.	ug/L (ppb)			
Aminopyralid	N.D.	ug/L (ppb)	Halosulfuron methyl	N.D.	ug/L (ppb)	Prosulfuron	N.D.	ug/L (ppb)			
Atrazine	0.0048	ug/L (ppb)	Hexazinone	N.D.	ug/L (ppb)	Pyrasulfotole	N.D.	ug/L (ppb)			
Azinphos methyl	N.D.	ug/L (ppb)	Hydroxy atrazine	N.D.	ug/L (ppb)	Pyroxsulam	N.D.	ug/L (ppb)			
Azinphos methyl oxon	N.D.	ug/L (ppb)	Imazamethabenz methyl acid metabolite	N.D.	ug/L (ppb)	Saflufenacil	N.D.	ug/L (ppb)			
Azoxystrobin	N.D.	ug/L (ppb)	Imazamethabenz methyl ester	N.D.	ug/L (ppb)	Sethoxydim	N.D.	ug/L (ppb)			
Bentazon	N.D.	ug/L (ppb)	Imazamox	N.D.	ug/L (ppb)	Simazine	N.D.	ug/L (ppb)			
Bromacil	0.01	ug/L (ppb)	Imazapic	N.D.	ug/L (ppb)	Sulfentrazone	N.D.	ug/L (ppb)			
Bromoxynil	N.D.	ug/L (ppb)	Imazapyr	N.D.	ug/L (ppb)	Sulfometuron methyl	N.D.	ug/L (ppb)			
Carbaryl	N.D.	ug/L (ppb)	Imazethapyr	N.D.	ug/L (ppb)	Sulfosulfuron	N.D.	ug/L (ppb)			
Carbofuran	N.D.	ug/L (ppb)	Imidacloprid	N.D.	ug/L (ppb)	Tebuconazole	N.D.	ug/L (ppb)			
Chlorpyrifos	N.D.	ug/L (ppb)	Isoxaflutole	N.D.	ug/L (ppb)	Tebuthiuron	N.D.	ug/L (ppb)			
Chlorsulfuron	N.D.	ug/L (ppb)	Linuron	N.D.	ug/L (ppb)	Tembotrione	N.D.	ug/L (ppb)			
Clodinafop acid	N.D.	ug/L (ppb)	MCPA	N.D.	ug/L (ppb)	Tetraconazole	N.D.	ug/L (ppb)			
Clopyralid	N.D.	ug/L (ppb)	MCPP	N.D.	ug/L (ppb)	Thiamethoxam	N.D.	ug/L (ppb)			
DEDIA	N.D.	ug/L (ppb)	Malathion	N.D.	ug/L (ppb)	Thifensulfuron	N.D.	ug/L (ppb)			
Deethyl atrazine	Q	ug/L (ppb)	Metaxyl	N.D.	ug/L (ppb)	Tralkoxydim	N.D.	ug/L (ppb)			

N.D. = Not detected at or above analytical method reporting limit; ppb = parts per billion; ug/L = micrograms per liter; 1ppb = 1ug/L; ppm = parts per million; mg/L = milligrams per liter; 1 ppm = 1 mg/L
Q = analyte detected below analytical method reporting limit and therefore not quantified

Sample

Date

7/30/2012

Site ID: BUTGW-16

ANALYTE	RESULT	UNIT	ANALYTE	RESULT	UNIT	ANALYTE	RESULT	UNIT	ANALYTE	RESULT	UNIT
2,4-D	N.D.	ug/L (ppb)	Deisopropyl atrazine	0.01	ug/L (ppb)	Methomyl	N.D.	ug/L (ppb)	Tralkoxydim acid	N.D.	ug/L (ppb)
3-OH Carbofuran	N.D.	ug/L (ppb)	Dicamba	N.D.	ug/L (ppb)	Metolachlor	N.D.	ug/L (ppb)	Triallate	N.D.	ug/L (ppb)
AMBA	N.D.	ug/L (ppb)	Difenoconazole	N.D.	ug/L (ppb)	Metolachlor ESA	N.D.	ug/L (ppb)	Triasulfuron	N.D.	ug/L (ppb)
AMPA	N.D.	ug/L (ppb)	Dimethenamid	N.D.	ug/L (ppb)	Metolachlor OA	N.D.	ug/L (ppb)	Triclopyr	N.D.	ug/L (ppb)
Acetochlor	N.D.	ug/L (ppb)	Dimethenamid OA	N.D.	ug/L (ppb)	Metsulfuron methyl	Q	ug/L (ppb)	Triticonazole	N.D.	ug/L (ppb)
Acetochlor ESA	N.D.	ug/L (ppb)	Dimethoate	N.D.	ug/L (ppb)	NOA 407854	N.D.	ug/L (ppb)			
Acetochlor OA	N.D.	ug/L (ppb)	Diuron	N.D.	ug/L (ppb)	NOA 447204	N.D.	ug/L (ppb)			
Alachlor	N.D.	ug/L (ppb)	Fenbuconazole	N.D.	ug/L (ppb)	Nicosulfuron	N.D.	ug/L (ppb)			
Alachlor ESA	N.D.	ug/L (ppb)	Flucarbazone	N.D.	ug/L (ppb)	Nitrate as Nitrogen	6.8	mg/L (ppm)			
Alachlor OA	N.D.	ug/L (ppb)	Flucarbazone sulfonamide	N.D.	ug/L (ppb)	Norflurazon	N.D.	ug/L (ppb)			
Aldicarb	N.D.	ug/L (ppb)	Flumetsulam	N.D.	ug/L (ppb)	Norflurazon desmethyl	N.D.	ug/L (ppb)			
Aldicarb sulfone	N.D.	ug/L (ppb)	Fluroxypyr	N.D.	ug/L (ppb)	Picloram	N.D.	ug/L (ppb)			
Aldicarb sulfoxide	N.D.	ug/L (ppb)	Glutaric Acid	N.D.	ug/L (ppb)	Prometon	0.056	ug/L (ppb)			
Aminocyclopyrachlor	N.D.	ug/L (ppb)	Glyphosate	N.D.	ug/L (ppb)	Propiconazole	N.D.	ug/L (ppb)			
Aminopyralid	N.D.	ug/L (ppb)	Halosulfuron methyl	N.D.	ug/L (ppb)	Prosulfuron	N.D.	ug/L (ppb)			
Atrazine	N.D.	ug/L (ppb)	Hexazinone	N.D.	ug/L (ppb)	Pyrasulfotole	N.D.	ug/L (ppb)			
Azinphos methyl	N.D.	ug/L (ppb)	Hydroxy atrazine	N.D.	ug/L (ppb)	Pyroxsulam	N.D.	ug/L (ppb)			
Azinphos methyl oxon	N.D.	ug/L (ppb)	Imazamethabenz methyl acid metabolite	N.D.	ug/L (ppb)	Saflufenacil	N.D.	ug/L (ppb)			
Azoxystrobin	N.D.	ug/L (ppb)	Imazamethabenz methyl ester	N.D.	ug/L (ppb)	Sethoxydim	N.D.	ug/L (ppb)			
Bentazon	N.D.	ug/L (ppb)	Imazamox	N.D.	ug/L (ppb)	Simazine	0.012	ug/L (ppb)			
Bromacil	N.D.	ug/L (ppb)	Imazapic	N.D.	ug/L (ppb)	Sulfentrazone	N.D.	ug/L (ppb)			
Bromoxynil	N.D.	ug/L (ppb)	Imazapyr	N.D.	ug/L (ppb)	Sulfometuron methyl	N.D.	ug/L (ppb)			
Carbaryl	N.D.	ug/L (ppb)	Imazethapyr	N.D.	ug/L (ppb)	Sulfosulfuron	N.D.	ug/L (ppb)			
Carbofuran	N.D.	ug/L (ppb)	Imidacloprid	N.D.	ug/L (ppb)	Tebuconazole	N.D.	ug/L (ppb)			
Chlorpyrifos	N.D.	ug/L (ppb)	Isoxaflutole	N.D.	ug/L (ppb)	Tebuthiuron	N.D.	ug/L (ppb)			
Chlorsulfuron	N.D.	ug/L (ppb)	Linuron	N.D.	ug/L (ppb)	Tembotrione	N.D.	ug/L (ppb)			
Clodinafop acid	N.D.	ug/L (ppb)	MCPA	N.D.	ug/L (ppb)	Tetraconazole	N.D.	ug/L (ppb)			
Clopyralid	N.D.	ug/L (ppb)	MCPP	N.D.	ug/L (ppb)	Thiamethoxam	N.D.	ug/L (ppb)			
DEDIA	N.D.	ug/L (ppb)	Malathion	N.D.	ug/L (ppb)	Thifensulfuron	N.D.	ug/L (ppb)			
Deethyl atrazine	N.D.	ug/L (ppb)	Metalaxyl	N.D.	ug/L (ppb)	Tralkoxydim	N.D.	ug/L (ppb)			

N.D. = Not detected at or above analytical method reporting limit; ppb = parts per billion; ug/L = micrograms per liter; 1 ppb = 1 ug/L; ppm = parts per million; mg/L = milligrams per liter; 1 ppm = 1 mg/L
Q = analyte detected below analytical method reporting limit and therefore not quantified

Sample

Date

8/1/2012

Site ID: BUTGW-17

ANALYTE	RESULT	UNIT	ANALYTE	RESULT	UNIT	ANALYTE	RESULT	UNIT	ANALYTE	RESULT	UNIT
2,4-D	N.D.	ug/L (ppb)	Deisopropyl atrazine	0.019	ug/L (ppb)	Methomyl	N.D.	ug/L (ppb)	Tralkoxydim acid	N.D.	ug/L (ppb)
3-OH Carbofuran	N.D.	ug/L (ppb)	Dicamba	N.D.	ug/L (ppb)	Metolachlor	N.D.	ug/L (ppb)	Triallate	N.D.	ug/L (ppb)
AMBA	N.D.	ug/L (ppb)	Difenoconazole	N.D.	ug/L (ppb)	Metolachlor ESA	N.D.	ug/L (ppb)	Triasulfuron	N.D.	ug/L (ppb)
AMPA	N.D.	ug/L (ppb)	Dimethenamid	N.D.	ug/L (ppb)	Metolachlor OA	N.D.	ug/L (ppb)	Triclopyr	N.D.	ug/L (ppb)
Acetochlor	N.D.	ug/L (ppb)	Dimethenamid OA	N.D.	ug/L (ppb)	Metsulfuron methyl	N.D.	ug/L (ppb)	Triticonazole	N.D.	ug/L (ppb)
Acetochlor ESA	N.D.	ug/L (ppb)	Dimethoate	N.D.	ug/L (ppb)	NOA 407854	N.D.	ug/L (ppb)			
Acetochlor OA	N.D.	ug/L (ppb)	Diuron	N.D.	ug/L (ppb)	NOA 447204	N.D.	ug/L (ppb)			
Alachlor	N.D.	ug/L (ppb)	Fenbuconazole	N.D.	ug/L (ppb)	Nicosulfuron	N.D.	ug/L (ppb)			
Alachlor ESA	N.D.	ug/L (ppb)	Flucarbazone	N.D.	ug/L (ppb)	Nitrate as Nitrogen	2	mg/L (ppm)			
Alachlor OA	N.D.	ug/L (ppb)	Flucarbazone sulfonamide	N.D.	ug/L (ppb)	Norflurazon	N.D.	ug/L (ppb)			
Aldicarb	N.D.	ug/L (ppb)	Flumetsulam	N.D.	ug/L (ppb)	Norflurazon desmethyl	N.D.	ug/L (ppb)			
Aldicarb sulfone	N.D.	ug/L (ppb)	Fluroxypyr	N.D.	ug/L (ppb)	Picloram	1.4	ug/L (ppb)			
Aldicarb sulfoxide	N.D.	ug/L (ppb)	Glutaric Acid	N.D.	ug/L (ppb)	Prometon	0.013	ug/L (ppb)			
Aminocyclopyrachlor	N.D.	ug/L (ppb)	Glyphosate	N.D.	ug/L (ppb)	Propiconazole	N.D.	ug/L (ppb)			
Aminopyralid	Q	ug/L (ppb)	Halosulfuron methyl	N.D.	ug/L (ppb)	Prosulfuron	N.D.	ug/L (ppb)			
Atrazine	N.D.	ug/L (ppb)	Hexazinone	N.D.	ug/L (ppb)	Pyrasulfotole	N.D.	ug/L (ppb)			
Azinphos methyl	N.D.	ug/L (ppb)	Hydroxy atrazine	N.D.	ug/L (ppb)	Pyroxsulam	N.D.	ug/L (ppb)			
Azinphos methyl oxon	N.D.	ug/L (ppb)	Imazamethabenz methyl acid metabolite	N.D.	ug/L (ppb)	Saflufenacil	N.D.	ug/L (ppb)			
Azoxystrobin	N.D.	ug/L (ppb)	Imazamethabenz methyl ester	N.D.	ug/L (ppb)	Sethoxydim	N.D.	ug/L (ppb)			
Bentazon	N.D.	ug/L (ppb)	Imazamox	N.D.	ug/L (ppb)	Simazine	0.098	ug/L (ppb)			
Bromacil	N.D.	ug/L (ppb)	Imazapic	N.D.	ug/L (ppb)	Sulfentrazone	N.D.	ug/L (ppb)			
Bromoxynil	N.D.	ug/L (ppb)	Imazapyr	N.D.	ug/L (ppb)	Sulfometuron methyl	N.D.	ug/L (ppb)			
Carbaryl	N.D.	ug/L (ppb)	Imazethapyr	N.D.	ug/L (ppb)	Sulfosulfuron	N.D.	ug/L (ppb)			
Carbofuran	N.D.	ug/L (ppb)	Imidacloprid	N.D.	ug/L (ppb)	Tebuconazole	N.D.	ug/L (ppb)			
Chlorpyrifos	N.D.	ug/L (ppb)	Isoxaflutole	N.D.	ug/L (ppb)	Tebuthiuron	N.D.	ug/L (ppb)			
Chlorsulfuron	N.D.	ug/L (ppb)	Linuron	N.D.	ug/L (ppb)	Tembotrione	N.D.	ug/L (ppb)			
Clodinafop acid	N.D.	ug/L (ppb)	MCPA	N.D.	ug/L (ppb)	Tetraconazole	N.D.	ug/L (ppb)			
Clopyralid	N.D.	ug/L (ppb)	MCPP	N.D.	ug/L (ppb)	Thiamethoxam	N.D.	ug/L (ppb)			
DEDIA	N.D.	ug/L (ppb)	Malathion	N.D.	ug/L (ppb)	Thifensulfuron	N.D.	ug/L (ppb)			
Deethyl atrazine	N.D.	ug/L (ppb)	Metalaxyl	N.D.	ug/L (ppb)	Tralkoxydim	N.D.	ug/L (ppb)			

N.D. = Not detected at or above analytical method reporting limit; ppb = parts per billion; ug/L = micrograms per liter; 1ppb = 1ug/L; ppm = parts per million; mg/L = milligrams per liter; 1 ppm = 1 mg/L
Q = analyte detected below analytical method reporting limit and therefore not quantified

Date	7/27/2012	Site ID: BUTSW-1	Name: Silver Bow Creek at Rocker Rd
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N.D. = Not detected at or above analytical method reporting limit; ppb = parts per billion; ug/L = micrograms per liter; 1ppb = 1ug/L; ppm = parts per million; mg/L = milligrams per liter; 1 ppm = 1 mg/L
Q = analyte detected below analytical method reporting limit and therefore not quantified

Name: Blacktail Cr at George St

ANALYTE	RESULT	UNIT	ANALYTE	RESULT	UNIT	ANALYTE	RESULT	UNIT	ANALYTE	RESULT	UNIT
2,4-D	Q	ug/L (ppb)	Deisopropyl atrazine	N.D.	ug/L (ppb)	Methomyl	N.D.	ug/L (ppb)	Tralkoxydim acid	N.D.	ug/L (ppb)
3-OH Carbofuran	N.D.	ug/L (ppb)	Dicamba	N.D.	ug/L (ppb)	Metolachlor	N.D.	ug/L (ppb)	Triallate	N.D.	ug/L (ppb)
AMBA	N.D.	ug/L (ppb)	Difenoconazole	N.D.	ug/L (ppb)	Metolachlor ESA	N.D.	ug/L (ppb)	Triasulfuron	N.D.	ug/L (ppb)
AMPA	N.D.	ug/L (ppb)	Dimethenamid	N.D.	ug/L (ppb)	Metolachlor OA	N.D.	ug/L (ppb)	Triclopyr	N.D.	ug/L (ppb)
Acetochlor	N.D.	ug/L (ppb)	Dimethenamid OA	N.D.	ug/L (ppb)	Metsulfuron methyl	N.D.	ug/L (ppb)	Triticonazole	N.D.	ug/L (ppb)
Acetochlor ESA	N.D.	ug/L (ppb)	Dimethoate	N.D.	ug/L (ppb)	NOA 407854	N.D.	ug/L (ppb)			
Acetochlor OA	N.D.	ug/L (ppb)	Diuron	N.D.	ug/L (ppb)	NOA 447204	N.D.	ug/L (ppb)			
Alachlor	N.D.	ug/L (ppb)	Fenbuconazole	N.D.	ug/L (ppb)	Nicosulfuron	N.D.	ug/L (ppb)			
Alachlor ESA	N.D.	ug/L (ppb)	Flucarbazone	N.D.	ug/L (ppb)	Nitrate as Nitrogen	1.2	mg/L (ppm)			
Alachlor OA	N.D.	ug/L (ppb)	Flucarbazone sulfonamide	N.D.	ug/L (ppb)	Norflurazon	N.D.	ug/L (ppb)			
Aldicarb	N.D.	ug/L (ppb)	Flumetsulam	N.D.	ug/L (ppb)	Norflurazon desmethyl	N.D.	ug/L (ppb)			
Aldicarb sulfone	N.D.	ug/L (ppb)	Fluroxypyr	N.D.	ug/L (ppb)	Picloram	Q	ug/L (ppb)			
Aldicarb sulfoxide	N.D.	ug/L (ppb)	Glutaric Acid	N.D.	ug/L (ppb)	Prometon	0.012	ug/L (ppb)			
Aminocyclopyrachlor	N.D.	ug/L (ppb)	Glyphosate	N.D.	ug/L (ppb)	Propiconazole	N.D.	ug/L (ppb)			
Aminopyralid	N.D.	ug/L (ppb)	Halosulfuron methyl	N.D.	ug/L (ppb)	Prosulfuron	N.D.	ug/L (ppb)			
Atrazine	0.0084	ug/L (ppb)	Hexazinone	N.D.	ug/L (ppb)	Pyrasulfotole	N.D.	ug/L (ppb)			
Azinphos methyl	N.D.	ug/L (ppb)	Hydroxy atrazine	Q	ug/L (ppb)	Pyroxulam	N.D.	ug/L (ppb)			
Azinphos methyl oxon	N.D.	ug/L (ppb)	Imazamethabenz methyl acid metabolite	N.D.	ug/L (ppb)	Saflufenacil	N.D.	ug/L (ppb)			
Azoxystrobin	N.D.	ug/L (ppb)	Imazamethabenz methyl ester	N.D.	ug/L (ppb)	Sethoxydim	N.D.	ug/L (ppb)			
Bentazon	N.D.	ug/L (ppb)	Imazamox	N.D.	ug/L (ppb)	Simazine	N.D.	ug/L (ppb)			
Bromacil	N.D.	ug/L (ppb)	Imazapic	N.D.	ug/L (ppb)	Sulfentrazone	N.D.	ug/L (ppb)			
Bromoxynil	N.D.	ug/L (ppb)	Imazapyr	0.0045	ug/L (ppb)	Sulfometuron methyl	N.D.	ug/L (ppb)			
Carbaryl	N.D.	ug/L (ppb)	Imazethapyr	N.D.	ug/L (ppb)	Sulfosulfuron	N.D.	ug/L (ppb)			
Carbofuran	N.D.	ug/L (ppb)	Imidacloprid	N.D.	ug/L (ppb)	Tebuconazole	N.D.	ug/L (ppb)			
Chlorpyrifos	N.D.	ug/L (ppb)	Isoxaflutole	N.D.	ug/L (ppb)	Tebuthiuron	0.0029	ug/L (ppb)			
Chlorsulfuron	N.D.	ug/L (ppb)	Linuron	N.D.	ug/L (ppb)	Tembotrione	N.D.	ug/L (ppb)			
Clodinafop acid	N.D.	ug/L (ppb)	MCPA	N.D.	ug/L (ppb)	Tetraconazole	N.D.	ug/L (ppb)			
Clopyralid	N.D.	ug/L (ppb)	MCPP	N.D.	ug/L (ppb)	Thiamethoxam	N.D.	ug/L (ppb)			
DEDIA	N.D.	ug/L (ppb)	Malathion	N.D.	ug/L (ppb)	Thifensulfuron	N.D.	ug/L (ppb)			
Deethyl atrazine	0.0028	ug/L (ppb)	Metalaxyl	N.D.	ug/L (ppb)	Tralkoxydim	N.D.	ug/L (ppb)			

N.D. = Not detected at or above analytical method reporting limit; ppb = parts per billion; ug/L = micrograms per liter; 1ppb = 1ug/L; ppm = parts per million; mg/L = milligrams per liter; 1 ppm = 1 mg/L
Q = analyte detected below analytical method reporting limit and therefore not quantified

Sample**Date****7/27/2012****Site ID: BUTSW-3****Name: Blacktail Cr at Father Sheehan Park**

ANALYTE	RESULT	UNIT	ANALYTE	RESULT	UNIT	ANALYTE	RESULT	UNIT	ANALYTE	RESULT	UNIT
2,4-D	N.D.	ug/L (ppb)	Deisopropyl atrazine	N.D.	ug/L (ppb)	Methomyl	N.D.	ug/L (ppb)	Tralkoxydim acid	N.D.	ug/L (ppb)
3-OH Carbofuran	N.D.	ug/L (ppb)	Dicamba	N.D.	ug/L (ppb)	Metolachlor	N.D.	ug/L (ppb)	Triallate	N.D.	ug/L (ppb)
AMBA	N.D.	ug/L (ppb)	Difenoconazole	N.D.	ug/L (ppb)	Metolachlor ESA	N.D.	ug/L (ppb)	Triasulfuron	N.D.	ug/L (ppb)
AMPA	N.D.	ug/L (ppb)	Dimethenamid	N.D.	ug/L (ppb)	Metolachlor OA	N.D.	ug/L (ppb)	Triclopyr	N.D.	ug/L (ppb)
Acetochlor	N.D.	ug/L (ppb)	Dimethenamid OA	N.D.	ug/L (ppb)	Metsulfuron methyl	N.D.	ug/L (ppb)	Triticonazole	N.D.	ug/L (ppb)
Acetochlor ESA	N.D.	ug/L (ppb)	Dimethoate	N.D.	ug/L (ppb)	NOA 407854	N.D.	ug/L (ppb)			
Acetochlor OA	N.D.	ug/L (ppb)	Diuron	N.D.	ug/L (ppb)	NOA 447204	N.D.	ug/L (ppb)			
Alachlor	N.D.	ug/L (ppb)	Fenbuconazole	N.D.	ug/L (ppb)	Nicosulfuron	N.D.	ug/L (ppb)			
Alachlor ESA	N.D.	ug/L (ppb)	Flucarbazone	N.D.	ug/L (ppb)	Nitrate as Nitrogen	1	mg/L (ppm)			
Alachlor OA	N.D.	ug/L (ppb)	Flucarbazone sulfonamide	N.D.	ug/L (ppb)	Norflurazon	N.D.	ug/L (ppb)			
Aldicarb	N.D.	ug/L (ppb)	Flumetsulam	N.D.	ug/L (ppb)	Norflurazon desmethyl	N.D.	ug/L (ppb)			
Aldicarb sulfone	N.D.	ug/L (ppb)	Fluroxypyr	N.D.	ug/L (ppb)	Picloram	Q	ug/L (ppb)			
Aldicarb sulfoxide	N.D.	ug/L (ppb)	Glutaric Acid	N.D.	ug/L (ppb)	Prometon	0.011	ug/L (ppb)			
Aminocyclopyrachlor	N.D.	ug/L (ppb)	Glyphosate	N.D.	ug/L (ppb)	Propiconazole	N.D.	ug/L (ppb)			
Aminopyralid	N.D.	ug/L (ppb)	Halosulfuron methyl	N.D.	ug/L (ppb)	Prosulfuron	N.D.	ug/L (ppb)			
Atrazine	0.0035	ug/L (ppb)	Hexazinone	N.D.	ug/L (ppb)	Pyrasulfotole	N.D.	ug/L (ppb)			
Azinphos methyl	N.D.	ug/L (ppb)	Hydroxy atrazine	N.D.	ug/L (ppb)	Pyroxsulam	N.D.	ug/L (ppb)			
Azinphos methyl oxon	N.D.	ug/L (ppb)	Imazamethabenz methyl acid metabolite	N.D.	ug/L (ppb)	Saflufenacil	N.D.	ug/L (ppb)			
Azoxystrobin	N.D.	ug/L (ppb)	Imazamethabenz methyl ester	N.D.	ug/L (ppb)	Sethoxydim	N.D.	ug/L (ppb)			
Bentazon	N.D.	ug/L (ppb)	Imazamox	N.D.	ug/L (ppb)	Simazine	N.D.	ug/L (ppb)			
Bromacil	N.D.	ug/L (ppb)	Imazapic	N.D.	ug/L (ppb)	Sulfentrazone	N.D.	ug/L (ppb)			
Bromoxynil	N.D.	ug/L (ppb)	Imazapyr	N.D.	ug/L (ppb)	Sulfometuron methyl	N.D.	ug/L (ppb)			
Carbaryl	N.D.	ug/L (ppb)	Imazethapyr	N.D.	ug/L (ppb)	Sulfosulfuron	N.D.	ug/L (ppb)			
Carbofuran	N.D.	ug/L (ppb)	Imidacloprid	Q	ug/L (ppb)	Tebuconazole	N.D.	ug/L (ppb)			
Chlorpyrifos	N.D.	ug/L (ppb)	Isoxaflutole	N.D.	ug/L (ppb)	Tebuthiuron	0.0013	ug/L (ppb)			
Chlorsulfuron	N.D.	ug/L (ppb)	Linuron	N.D.	ug/L (ppb)	Tembotrione	N.D.	ug/L (ppb)			
Clodinafop acid	N.D.	ug/L (ppb)	MCPA	N.D.	ug/L (ppb)	Tetraconazole	N.D.	ug/L (ppb)			
Clopyralid	N.D.	ug/L (ppb)	MCPP	N.D.	ug/L (ppb)	Thiamethoxam	N.D.	ug/L (ppb)			
DEDIA	N.D.	ug/L (ppb)	Malathion	N.D.	ug/L (ppb)	Thifensulfuron	N.D.	ug/L (ppb)			
Deethyl atrazine	Q	ug/L (ppb)	Metalaxyl	N.D.	ug/L (ppb)	Tralkoxydim	N.D.	ug/L (ppb)			

N.D. = Not detected at or above analytical method reporting limit; ppb = parts per billion; ug/L = micrograms per liter; 1ppb = 1ug/L; ppm = parts per million; mg/L = milligrams per liter; 1 ppm = 1 mg/L
Q = analyte detected below analytical method reporting limit and therefore not quantified

<div> <div>Sample</div> <div>Date7/27/2012</div> <div>Site ID: BUTSW-4</div> <div>Name: Blacktail Cr at Blacktail Loop Rd</div> </div>											
ANALYTE	RESULT	UNIT	ANALYTE	RESULT	UNIT	ANALYTE	RESULT	UNIT	ANALYTE	RESULT	UNIT
2,4-D	N.D.	ug/L (ppb)	Deisopropyl atrazine	N.D.	ug/L (ppb)	Methomyl	N.D.	ug/L (ppb)	Tralkoxydim acid	N.D.	ug/L (ppb)
3-OH Carbofuran	N.D.	ug/L (ppb)	Dicamba	N.D.	ug/L (ppb)	Metolachlor	N.D.	ug/L (ppb)	Triallate	N.D.	ug/L (ppb)
AMBA	N.D.	ug/L (ppb)	Difenoconazole	N.D.	ug/L (ppb)	Metolachlor ESA	N.D.	ug/L (ppb)	Triasulfuron	N.D.	ug/L (ppb)
AMPA	N.D.	ug/L (ppb)	Dimethenamid	N.D.	ug/L (ppb)	Metolachlor OA	N.D.	ug/L (ppb)	Triclopyr	N.D.	ug/L (ppb)
Acetochlor	N.D.	ug/L (ppb)	Dimethenamid OA	N.D.	ug/L (ppb)	Metsulfuron methyl	N.D.	ug/L (ppb)	Triticonazole	N.D.	ug/L (ppb)
Acetochlor ESA	N.D.	ug/L (ppb)	Dimethoate	N.D.	ug/L (ppb)	NOA 407854	N.D.	ug/L (ppb)			
Acetochlor OA	N.D.	ug/L (ppb)	Diuron	N.D.	ug/L (ppb)	NOA 447204	N.D.	ug/L (ppb)			
Alachlor	N.D.	ug/L (ppb)	Fenbuconazole	N.D.	ug/L (ppb)	Nicosulfuron	N.D.	ug/L (ppb)			
Alachlor ESA	N.D.	ug/L (ppb)	Flucarbazone	N.D.	ug/L (ppb)	Nitrate as Nitrogen	0.15	mg/L (ppm)			
Alachlor OA	N.D.	ug/L (ppb)	Flucarbazone sulfonamide	N.D.	ug/L (ppb)	Norflurazon	N.D.	ug/L (ppb)			
Aldicarb	N.D.	ug/L (ppb)	Flumetsulam	N.D.	ug/L (ppb)	Norflurazon desmethyl	N.D.	ug/L (ppb)			
Aldicarb sulfone	N.D.	ug/L (ppb)	Fluroxypyr	N.D.	ug/L (ppb)	Picloram	N.D.	ug/L (ppb)			
Aldicarb sulfoxide	N.D.	ug/L (ppb)	Glutaric Acid	N.D.	ug/L (ppb)	Prometon	N.D.	ug/L (ppb)			
Aminocyclopyrachlor	N.D.	ug/L (ppb)	Glyphosate	N.D.	ug/L (ppb)	Propiconazole	N.D.	ug/L (ppb)			
Aminopyralid	N.D.	ug/L (ppb)	Halosulfuron methyl	N.D.	ug/L (ppb)	Prosulfuron	N.D.	ug/L (ppb)			
Atrazine	N.D.	ug/L (ppb)	Hexazinone	N.D.	ug/L (ppb)	Pyrasulfotole	N.D.	ug/L (ppb)			
Azinphos methyl	N.D.	ug/L (ppb)	Hydroxy atrazine	N.D.	ug/L (ppb)	Pyroxsulam	N.D.	ug/L (ppb)			
Azinphos methyl oxon	N.D.	ug/L (ppb)	Imazamethabenz methyl acid metabolite	N.D.	ug/L (ppb)	Saflufenacil	N.D.	ug/L (ppb)			
Azoxystrobin	N.D.	ug/L (ppb)	Imazamethabenz methyl ester	N.D.	ug/L (ppb)	Sethoxydim	N.D.	ug/L (ppb)			
Bentazon	N.D.	ug/L (ppb)	Imazamox	N.D.	ug/L (ppb)	Simazine	N.D.	ug/L (ppb)			
Bromacil	N.D.	ug/L (ppb)	Imazapic	N.D.	ug/L (ppb)	Sulfentrazone	N.D.	ug/L (ppb)			
Bromoxynil	N.D.	ug/L (ppb)	Imazapyr	N.D.	ug/L (ppb)	Sulfometuron methyl	N.D.	ug/L (ppb)			
Carbaryl	N.D.	ug/L (ppb)	Imazethapyr	N.D.	ug/L (ppb)	Sulfosulfuron	N.D.	ug/L (ppb)			
Carbofuran	N.D.	ug/L (ppb)	Imidacloprid	N.D.	ug/L (ppb)	Tebuconazole	N.D.	ug/L (ppb)			
Chlorpyrifos	N.D.	ug/L (ppb)	Isoxaflutole	N.D.	ug/L (ppb)	Tebuthiuron	N.D.	ug/L (ppb)			
Chlorsulfuron	N.D.	ug/L (ppb)	Linuron	N.D.	ug/L (ppb)	Tembotrione	N.D.	ug/L (ppb)			
Clodinafop acid	N.D.	ug/L (ppb)	MCPA	N.D.	ug/L (ppb)	Tetraconazole	N.D.	ug/L (ppb)			
Clopyralid	N.D.	ug/L (ppb)	MCPP	N.D.	ug/L (ppb)	Thiamethoxam	N.D.	ug/L (ppb)			
DEDIA	N.D.	ug/L (ppb)	Malathion	N.D.	ug/L (ppb)	Thifensulfuron	N.D.	ug/L (ppb)			
Deethyl atrazine	N.D.	ug/L (ppb)	Metalaxyl	N.D.	ug/L (ppb)	Tralkoxydim	N.D.	ug/L (ppb)			

N.D. = Not detected at or above analytical method reporting limit; ppb = parts per billion; ug/L = micrograms per liter; 1ppb = 1ug/L; ppm = parts per million; mg/L = milligrams per liter; 1 ppm = 1 mg/L
 Q = analyte detected below analytical method reporting limit and therefore not quantified

Sample**Date**

7/27/2012

Site ID: BUTSW-5**Name: Basin Creek at Elizabeth Warren Rd**

ANALYTE	RESULT	UNIT	ANALYTE	RESULT	UNIT	ANALYTE	RESULT	UNIT	ANALYTE	RESULT	UNIT
2,4-D	N.D.	ug/L (ppb)	Deisopropyl atrazine	N.D.	ug/L (ppb)	Methomyl	N.D.	ug/L (ppb)	Tralkoxydim acid	N.D.	ug/L (ppb)
3-OH Carbofuran	N.D.	ug/L (ppb)	Dicamba	N.D.	ug/L (ppb)	Metolachlor	N.D.	ug/L (ppb)	Triallate	N.D.	ug/L (ppb)
AMBA	N.D.	ug/L (ppb)	Difenoconazole	N.D.	ug/L (ppb)	Metolachlor ESA	N.D.	ug/L (ppb)	Triasulfuron	N.D.	ug/L (ppb)
AMPA	N.D.	ug/L (ppb)	Dimethenamid	N.D.	ug/L (ppb)	Metolachlor OA	N.D.	ug/L (ppb)	Triclopyr	N.D.	ug/L (ppb)
Acetochlor	N.D.	ug/L (ppb)	Dimethenamid OA	N.D.	ug/L (ppb)	Metsulfuron methyl	N.D.	ug/L (ppb)	Triticonazole	N.D.	ug/L (ppb)
Acetochlor ESA	N.D.	ug/L (ppb)	Dimethoate	N.D.	ug/L (ppb)	NOA 407854	N.D.	ug/L (ppb)			
Acetochlor OA	N.D.	ug/L (ppb)	Diuron	N.D.	ug/L (ppb)	NOA 447204	N.D.	ug/L (ppb)			
Alachlor	N.D.	ug/L (ppb)	Fenbuconazole	N.D.	ug/L (ppb)	Nicosulfuron	N.D.	ug/L (ppb)			
Alachlor ESA	N.D.	ug/L (ppb)	Flucarbazone	N.D.	ug/L (ppb)	Nitrate as Nitrogen	N.D.	mg/L (ppm)			
Alachlor OA	N.D.	ug/L (ppb)	Flucarbazone sulfonamide	N.D.	ug/L (ppb)	Norflurazon	N.D.	ug/L (ppb)			
Aldicarb	N.D.	ug/L (ppb)	Flumetsulam	N.D.	ug/L (ppb)	Norflurazon desmethyl	N.D.	ug/L (ppb)			
Aldicarb sulfone	N.D.	ug/L (ppb)	Fluroxypyr	N.D.	ug/L (ppb)	Picloram	N.D.	ug/L (ppb)			
Aldicarb sulfoxide	N.D.	ug/L (ppb)	Glutaric Acid	N.D.	ug/L (ppb)	Prometon	0.0016	ug/L (ppb)			
Aminocyclopyrachlor	N.D.	ug/L (ppb)	Glyphosate	N.D.	ug/L (ppb)	Propiconazole	N.D.	ug/L (ppb)			
Aminopyralid	N.D.	ug/L (ppb)	Halosulfuron methyl	N.D.	ug/L (ppb)	Prosulfuron	N.D.	ug/L (ppb)			
Atrazine	N.D.	ug/L (ppb)	Hexazinone	N.D.	ug/L (ppb)	Pyrasulfotole	N.D.	ug/L (ppb)			
Azinphos methyl	N.D.	ug/L (ppb)	Hydroxy atrazine	N.D.	ug/L (ppb)	Pyroxsulam	N.D.	ug/L (ppb)			
Azinphos methyl oxon	N.D.	ug/L (ppb)	Imazamethabenz methyl acid metabolite	N.D.	ug/L (ppb)	Saflufenacil	N.D.	ug/L (ppb)			
Azoxystrobin	N.D.	ug/L (ppb)	Imazamethabenz methyl ester	N.D.	ug/L (ppb)	Sethoxydim	N.D.	ug/L (ppb)			
Bentazon	N.D.	ug/L (ppb)	Imazamox	N.D.	ug/L (ppb)	Simazine	N.D.	ug/L (ppb)			
Bromacil	N.D.	ug/L (ppb)	Imazapic	N.D.	ug/L (ppb)	Sulfentrazone	N.D.	ug/L (ppb)			
Bromoxynil	N.D.	ug/L (ppb)	Imazapyr	N.D.	ug/L (ppb)	Sulfometuron methyl	N.D.	ug/L (ppb)			
Carbaryl	N.D.	ug/L (ppb)	Imazethapyr	N.D.	ug/L (ppb)	Sulfosulfuron	N.D.	ug/L (ppb)			
Carbofuran	N.D.	ug/L (ppb)	Imidacloprid	N.D.	ug/L (ppb)	Tebuconazole	N.D.	ug/L (ppb)			
Chlorpyrifos	N.D.	ug/L (ppb)	Isoxaflutole	N.D.	ug/L (ppb)	Tebuthiuron	0.0074	ug/L (ppb)			
Chlorsulfuron	N.D.	ug/L (ppb)	Linuron	N.D.	ug/L (ppb)	Tembotrione	N.D.	ug/L (ppb)			
Clodinafop acid	N.D.	ug/L (ppb)	MCPA	N.D.	ug/L (ppb)	Tetraconazole	N.D.	ug/L (ppb)			
Clopyralid	N.D.	ug/L (ppb)	MCPP	N.D.	ug/L (ppb)	Thiamethoxam	N.D.	ug/L (ppb)			
DEDIA	N.D.	ug/L (ppb)	Malathion	N.D.	ug/L (ppb)	Thifensulfuron	N.D.	ug/L (ppb)			
Deethyl atrazine	N.D.	ug/L (ppb)	Metalaxyl	N.D.	ug/L (ppb)	Tralkoxydim	N.D.	ug/L (ppb)			

N.D. = Not detected at or above analytical method reporting limit; ppb = parts per billion; ug/L = micrograms per liter; 1ppb = 1ug/L; ppm = parts per million; mg/L = milligrams per liter; 1 ppm = 1 mg/L
Q = analyte detected below analytical method reporting limit and therefore not quantified

