

**Appendix B**  
**Analytical Results Summary**

Sample ID Sample Type SDG Number	AOC53-BOT02				AOC53-BOT02				AOC53-BOT03				AOC53-BOT03				AOC53-BOT04				AOC53-BOT05			
	FD				N				FD				N				N				N			
	46221				46221				46489				46489				46616				46616			
	Parval	Qappflags	Mdl	Dilution	Parval	Qappflags	Mdl	Dilution	Parval	Qappflags	Mdl	Dilution	Parval	Qappflags	Mdl	Dilution	Parval	Qappflags	Mdl	Dilution	Parval	Qappflags	Mdl	Dilution
Barium								37.14	M	0.08	1	36.36	M	0.08	1	24.11	J	0.08	1	15.47	J	0.08	1	
Chromium								9.6	F	0.1	1	9.4	F	0.1	1	6.6	F	0.1	1	4.7	F	0.1	1	
Copper								11.02		0.19	1	11.91		0.19	1	5.06		0.19	1	4.01		0.19	1	
Nickel								6.68		0.12	1	5.93		0.12	1	3.71		0.12	1	2.27		0.12	1	
Zinc								27.02	M	0.63	1	28.43	M	0.63	1	23.02	F	3.15	S	11.06	J	0.63	1	
Arsenic								3.95	M	0.04	1	4.38	M	0.04	1	1.74	M	0.04	1	2.12	M	0.04	1	
Cadmium								0.23		0.01	1	0.26		0.01	1	0.24	M	0.01	1	0.53	M	0.05	5	
Lead								34.4		1.3	10	31.83		1.3	10	9.29	M	0.26	2	16.19	M	0.65	5	
Mercury								0.01	U	0.01	1	0.01	U	0.01	1	0.01	U	0.01	1	0.01	U	0.01	1	
Aldrin	0.0001	U	0.0001	1	0.0001	U	0.0001	1								0.0014	U	0.0014	1	0.0014	U	0.0014	1	
BHC, alpha-	0.0002	U	0.0002	1	0.0002	U	0.0002	1								0.0009	U	0.0009	1	0.0009	U	0.0009	1	
BHC, beta-	0.0004	U	0.0004	1	0.0004	U	0.0004	1								0.001	U	0.001	1	0.001	U	0.001	1	
BHC, delta-	0.0004	U	0.0004	1	0.0004	U	0.0004	1								0.0001	U	0.0001	1	0.0001	U	0.0001	1	
BHC, gamma- (Lindane)	0.0003	U	0.0003	1	0.0003	U	0.0003	1								0.0009	U	0.0009	1	0.0009	U	0.0009	1	
Chlordane, alpha-	0.0002	U	0.0002	1	0.0002	U	0.0002	1								0.0009	U	0.0009	1	0.0009	U	0.0009	1	
Chlordane, gamma-	0.0002	U	0.0002	1	0.0002	U	0.0002	1								0.0009	U	0.0009	1	0.0009	U	0.0009	1	
DDD, p,p'-	0.0003	U	0.0003	1	0.0003	U	0.0003	1								0.0009	U	0.0009	1	0.0009	U	0.0009	1	
DDE, 4,4'-	0.0002	U	0.0002	1	0.0002	U	0.0002	1								0.0009	U	0.0009	1	0.0009	U	0.0009	1	
DDT, 4,4'-	0.0002	U	0.0002	1	0.0002	U	0.0002	1								0.0012	U	0.0012	1	0.0012	U	0.0012	1	
Dieldrin	0.0002	U	0.0002	1	0.0002	U	0.0002	1								0.0011	U	0.0011	1	0.0011	U	0.0011	1	
Endosulfan I	0.0002	U	0.0002	1	0.0002	U	0.0002	1								0.001	U	0.001	1	0.001	U	0.001	1	
Endosulfan II	0.0013	U	0.0013	1	0.0013	U	0.0013	1								0.0009	U	0.0009	1	0.0009	U	0.0009	1	
Endosulfan sulfate	0.0002	U	0.0002	1	0.0002	U	0.0002	1								0.0011	U	0.0011	1	0.0011	U	0.0011	1	
Endrin	0.0003	U	0.0003	1	0.0003	U	0.0003	1								0.0011	U	0.0011	1	0.0011	U	0.0011	1	
Endrin aldehyde	0.0002	U	0.0002	1	0.0002	U	0.0002	1								0.001	U	0.001	1	0.001	U	0.001	1	
Heptachlor	0.0002	U	0.0002	1	0.0002	U	0.0002	1								0.0011	U	0.0011	1	0.0011	U	0.0011	1	
Heptachlor epoxide	0.0002	U	0.0002	1	0.0002	U	0.0002	1								0.0011	U	0.0011	1	0.0011	U	0.0011	1	
Methoxychlor	0.0002	U	0.0002	1	0.0002	U	0.0002	1								0.001	U	0.001	1	0.001	U	0.001	1	
Toxaphene	0.009	U	0.009	1	0.009	U	0.009	1								0.009	U	0.009	1	0.009	U	0.009	1	
Benzene	0.0009	U	0.0009	1	0.0009	U	0.0009	1								0.0009	U	0.0009	1	0.0009	U	0.0009	1	
Bromobenzene	0.0009	U	0.0009	1	0.0009	U	0.0009	1								0.0009	U	0.0009	1	0.0009	U	0.0009	1	
Bromochloromethane	0.0008	U	0.0008	1	0.0008	U	0.0008	1								0.0008	U	0.0008	1	0.0008	U	0.0008	1	
Bromodichloromethane	0.0009	U	0.0009	1	0.0009	U	0.0009	1								0.0009	U	0.0009	1	0.0009	U	0.0009	1	
Bromoform	0.0011	U	0.0011	1	0.0011	U	0.0011	1								0.0011	U	0.0011	1	0.0011	U	0.0011	1	
Bromomethane	0.0007	U	0.0007	1	0.0007	U	0.0007	1								0.0007	U	0.0007	1	0.0007	U	0.0007	1	
Butylbenzene, N-	0.001	U	0.001	1	0.001	U	0.001	1								0.001	U	0.001	1	0.001	U	0.001	1	
Butylbenzene, sec-	0.0011	U	0.0011	1	0.0011	U	0.0011	1								0.0011	U	0.0011	1	0.0011	U	0.0011	1	
Butylbenzene, tert-	0.0012	U	0.0012	1	0.0012	U	0.0012	1								0.0012	U	0.0012	1	0.0012	U	0.0012	1	
Carbon tetrachloride	0.001	U	0.001	1	0.001	U	0.001	1								0.001	U	0.001	1	0.001	U	0.001	1	
Chlorobenzene	0.0007	U	0.0007	1	0.0007	U	0.0007	1								0.0007	U	0.0007	1	0.0007	U	0.0007	1	
Chloroethane	0.0015	U	0.0015	1	0.0015	U	0.0015	1								0.0015	U	0.0015	1	0.0015	U	0.0015	1	
Chloroform	0.0007	U	0.0007	1	0.0007	U	0.0007	1								0.0007	U	0.0007	1	0.0007	U	0.0007	1	
Chlorohexane, 1-	0.0009	U	0.0009	1	0.0009	U	0.0009	1								0.0009	U	0.0009	1	0.0009	U	0.0009	1	
Chloromethane	0.0015	U	0.0015	1	0.0015	U	0.0015	1								0.0015	U	0.0015	1	0.0015	U	0.0015	1	
Chlorotoluene, 2-	0.0013	U	0.0013	1	0.0013	U	0.0013	1								0.0013	U	0.0013	1	0.0013	U	0.0013	1	
Chlorotoluene, 4-	0.0011	U	0.0011	1	0.0011	U	0.0011	1								0.0011	U	0.0011	1	0.0011	U	0.0011	1	
Dibromo-3-chloropropane, 1,2-	0.002	U	0.002	1	0.002	U	0.002	1								0.002	U	0.002	1	0.002	U	0.002	1	
Dibromochloromethane	0.0009	U	0.0009	1	0.0009	U	0.0009	1								0.0009	U	0.0009	1	0.0009	U	0.0009	1	
Dibromomethane	0.001	U	0.001	1	0.001	U	0.001	1								0.001	U	0.001	1	0.001	U	0.001	1	
Dichlorobenzene, 1,2-	0.001	U	0.001	1	0.001	U	0.001	1								0.001	U	0.001	1	0.001	U	0.001	1	
Dichlorobenzene, 1,3-	0.0011	U	0.0011	1	0.0011	U	0.0011	1								0.0011	U	0.0011	1	0.0011	U	0.0011	1	
Dichlorobenzene, 1,4-	0.0008	U	0.0008	1	0.0008	U	0.0008	1								0.0008	U	0.0008	1	0.0008	U	0.0008	1	
Dichlorodifluoromethane	0.0018	U	0.0018	1	0.0018	U	0.0018	1								0.0018	U	0.0018	1	0.0018	U	0.0018	1	
Dichloroethane, 1,1-	0.001	U	0.001	1	0.001	U	0.001	1								0.001	U	0.001	1	0.001	U	0.001	1	
Dichloroethane, 1,2-	0.001	U	0.001	1	0.001	U	0.001	1								0.001	U	0.001	1	0.001	U	0.001	1	
Dichloroethene, 1,1-	0.0011	U	0.0011	1	0.0011	U	0.0011	1								0.0011	U	0.0011	1	0.0011	U	0.0011	1	
Dichloroethene, cis-1,2-	0.0008	U	0.0008	1	0.0008	U	0.0008	1								0.0008	U	0.0008	1	0.0008	U	0.0008	1	
Dichloroethene, trans-1,2-	0.0008	U	0.0008	1	0.0008	U	0.0008	1								0.0008	U	0.0008	1	0.0008	U	0.0008	1	
Dichloropropane, 1,2-	0.0007	U	0.0007	1	0.0007	U	0.0007	1								0.0007								



**Appendix B  
Analytical Results Summary**

Sample ID Sample Type SDG Number	AOC53-SW12			AOC53-SW13			AOC53-SW14			AOC53-SW15			AOC53-SW16			AOC53-SW17			AOC53-SW18								
	N			N			N			N			N			N			N								
	Qappflags	Mdl	Dilution	Parval	Qappflags	Mdl	Dilution	Parval	Qappflags	Mdl	Dilution	Parval	Qappflags	Mdl	Dilution	Parval	Qappflags	Mdl	Dilution	Parval	Qappflags	Mdl	Dilution				
Barium	M	0.08	1								8.3	J	0.08	1	272.66	J	0.4	5	18.46	J	0.08	1	12.29	M	0.08	1	
Chromium	F	0.1	1								5.5	F	0.1	1	9.3	F	0.1	1	5.4	F	0.1	1					
Copper		0.19	1								2.55		0.19	1	6.96		0.19	1	3.23		0.19	1					
Nickel		0.12	1								2.82		0.12	1	4.64		0.12	1	2.12		0.12	1					
Zinc	M	0.63	1						3.49	F	0.63	1	2.79	F	0.63	1	545.54		3.15	5	7.92	J	0.63	1	6.11	0.63	1
Arsenic	M	0.04	1								1.19	M	0.04	1	2.53	M	0.04	1	1.59	M	0.04	1					
Cadmium		0.01	1								0.27	M	0.01	1	1.78	M	0.1	10	0.16	M	0.01	1					
Lead		1.3	10	3.25	M	0.13	1	4.85	M	0.13	1	3.23	M	0.13	1	690.08	M	26	200	9.8	M	0.26	2	6.18	0.26	2	
Mercury	U	0.01	1								0.01	U	0.01	1	0.01	U	0.01	1	0.01	U	0.01	1					
Aldrin											0.0014	U	0.0014	1	0.0014	U	0.0014	1	0.0014	U	0.0014	1					
BHC, alpha-											0.0009	U	0.0009	1	0.0009	U	0.0009	1	0.0009	U	0.0009	1					
BHC, beta-											0.001	U	0.001	1	0.001	U	0.001	1	0.001	U	0.001	1					
BHC, delta-											0.0001	U	0.0001	1	0.0001	U	0.0001	1	0.0001	U	0.0001	1					
BHC, gamma- (Lindane)											0.0009	U	0.0009	1	0.0009	U	0.0009	1	0.0009	U	0.0009	1					
Chlordane, alpha-											0.0009	U	0.0009	1	0.0009	U	0.0009	1	0.0009	U	0.0009	1					
Chlordane, gamma-											0.0009	U	0.0009	1	0.0009	U	0.0009	1	0.0009	U	0.0009	1					
DDD, p,p'-											0.0009	U	0.0009	1	0.0009	U	0.0009	1	0.0009	U	0.0009	1					
DDE, 4,4'-											0.0009	U	0.0009	1	0.0027	F	0.0009	1	0.0014	F	0.0009	1					
DDT, 4,4'-											0.0012	U	0.0012	1	0.0036	F	0.0012	1	0.0012	U	0.0012	1					
Dieldrin											0.0011	U	0.0011	1	0.0011	U	0.0011	1	0.0011	U	0.0011	1					
Endosulfan I											0.001	U	0.001	1	0.001	U	0.001	1	0.001	U	0.001	1					
Endosulfan II											0.0009	U	0.0009	1	0.0009	U	0.0009	1	0.0009	U	0.0009	1					
Endosulfan sulfate											0.0011	U	0.0011	1	0.0011	U	0.0011	1	0.0011	U	0.0011	1					
Endrin											0.0011	U	0.0011	1	0.0011	U	0.0011	1	0.0011	U	0.0011	1					
Endrin aldehyde											0.001	U	0.001	1	0.001	U	0.001	1	0.001	U	0.001	1					
Heptachlor											0.0011	U	0.0011	1	0.0011	U	0.0011	1	0.0011	U	0.0011	1					
Heptachlor epoxide											0.0011	U	0.0011	1	0.0011	U	0.0011	1	0.0011	U	0.0011	1					
Methoxychlor											0.001	U	0.001	1	0.001	U	0.001	1	0.001	U	0.001	1					
Toxaphene											0.009	U	0.009	1	0.009	U	0.009	1	0.009	U	0.009	1					
Benzene											0.0009	U	0.0009	1	0.0009	U	0.0009	1	0.0009	U	0.0009	1					
Bromobenzene											0.0009	U	0.0009	1	0.0009	U	0.0009	1	0.0009	U	0.0009	1					
Bromochloromethane											0.0008	U	0.0008	1	0.0008	U	0.0008	1	0.0008	U	0.0008	1					
Bromodichloromethane											0.0009	U	0.0009	1	0.0009	U	0.0009	1	0.0009	U	0.0009	1					
Bromomethane											0.0011	U	0.0011	1	0.0011	U	0.0011	1	0.0011	U	0.0011	1					
Butylbenzene, N-											0.0007	U	0.0007	1	0.0007	U	0.0007	1	0.0007	U	0.0007	1					
Butylbenzene, sec-											0.001	U	0.001	1	0.001	U	0.001	1	0.001	U	0.001	1					
Butylbenzene, tert-											0.0011	U	0.0011	1	0.0011	U	0.0011	1	0.0011	U	0.0011	1					
Carbon tetrachloride											0.0012	U	0.0012	1	0.0012	U	0.0012	1	0.0012	U	0.0012	1					
Chlorobenzene											0.001	U	0.001	1	0.001	U	0.001	1	0.001	U	0.001	1					
Chloroethane											0.0007	U	0.0007	1	0.0007	U	0.0007	1	0.0007	U	0.0007	1					
Chloroform											0.0015	U	0.0015	1	0.0015	U	0.0015	1	0.0015	U	0.0015	1					
Chlorohexane, 1-											0.0007	U	0.0007	1	0.0007	U	0.0007	1	0.0007	U	0.0007	1					
Chloromethane											0.0009	U	0.0009	1	0.0009	U	0.0009	1	0.0009	U	0.0009	1					
Chlorotoluene, 2-											0.0015	U	0.0015	1	0.0015	U	0.0015	1	0.0015	U	0.0015	1					
Chlorotoluene, 4-											0.0013	U	0.0013	1	0.0013	U	0.0013	1	0.0013	U	0.0013	1					
Dibromo-3-chloropropane, 1,2-											0.0011	U	0.0011	1	0.0011	U	0.0011	1	0.0011	U	0.0011	1					
Dibromochloromethane											0.002	U	0.002	1	0.002	U	0.002	1	0.002	U	0.002	1					
Dibromomethane											0.0009	U	0.0009	1	0.0009	U	0.0009	1	0.0009	U	0.0009	1					
Dichlorobenzene, 1,2-											0.001	U	0.001	1	0.001	U	0.001	1	0.001	U	0.001	1					
Dichlorobenzene, 1,3-											0.001	U	0.001	1	0.001	U	0.001	1	0.001	U	0.001	1					
Dichlorobenzene, 1,4-											0.0011	U	0.0011	1	0.0011	U	0.0011	1	0.0011	U	0.0011	1					
Dichlorodifluoromethane											0.0008	U	0.0008	1	0.0008	U	0.0008	1	0.0008	U	0.0008	1					
Dichloroethane, 1,1-											0.0018	U	0.0018	1	0.0018	U	0.0018	1	0.0018	U	0.0018	1					
Dichloroethane, 1,2-											0.001	U	0.001	1	0.001	U	0.001	1	0.001	U	0.001	1					
Dichloroethane, 1,1,1-											0.001	U	0.001	1	0.001	U	0.001	1	0.001	U	0.001	1					
Dichloroethane, cis-1,2-											0.0011	U	0.0011	1	0.0011	U	0.0011	1	0.0011	U	0.0011	1					
Dichloroethane, trans-1,2-											0.0008	U	0.0008	1	0.0008	U	0.0008	1	0.0008	U	0.0008	1					
Dichloropropane, 1,2-											0.0008	U	0.0008	1	0.0008	U	0.0008	1	0.0008	U	0.0008	1					
Dichloropropane, 1,3-											0.0007	U	0.0007	1	0.0007	U	0.0007	1	0.0007	U	0.0007	1					
Dichloropropane, 2,2-											0.0007	U	0.0007	1	0.0007	U	0.0007	1	0.0007	U	0.0007	1					
Dichloropropene, 1,1-											0.001	U	0.001	1	0.001	U	0.001	1	0.001	U	0.001	1					
Dichloropropene, cis-1,3-											0.0012	U	0.0012	1	0.0012	U	0.0012	1	0.0012	U	0.0012	1					
Dichloropropene, trans-1,3-											0.0009	U	0.0009	1	0.0009	U	0.0009	1	0.0009	U	0.0009	1					
Ethylbenzene											0.0009	U	0.0009	1	0.0009	U	0.0009	1	0.0009	U	0.0009	1					
Ethylene dibromide											0.001	U	0.001	1	0.001	U	0.001	1	0.001	U	0.001	1					
Hexachlorbutadiene											0.0013	U	0.0013	1	0.0013	U	0.0013	1	0.0013	U	0.0013	1					
Isopropylbenzene											0.0011	U	0.0011	1	0.0011	U	0.0011	1	0.0011	U	0.0011	1					
Isopropyltoluene, 4-(Cymene, p-)											0.001	U	0.001	1	0.00												