138611

AR000215

DATA SUMMARY FORM: VOLATILES

Site Name: Greenwood Chemical

SAS ~~Case~~ #: 4527C-TI Sampling Date: 4/3 - 4/6/89

4527C-TI -

SOIL SAMPLES (ug/Kg)

To calculate sample quantitation limit: (CRQL * Dilution_Factor) / ((1 - % moisture)/100)

	Sample No.	01		02		03		04		05		06		07		08		09
	Dilution Factor	1.0		1.0		1.0		1.0		125		2500		1.0		125		2500
	% Moisture	22		20		28		23		17		32		31		25		27
	Location	DUPLICATE OF TI-16								MEDIUM		MEDIUM				MEDIUM		MEDIUM
CRQL	COMPOUND	GWC-S-FB04-01		GWC-S-FB05-01		GWC-S-FB06-01		GWC-S-FB07-01		GWC-S-FB06-02		GWC-S-FB08-01		GWC-S-FB09-01		GWC-S-FB10-01		GWC-S-FB11-01
10	Chloromethane												UJ					
10	Bromomethane												UJ					
10	Vinyl Chloride												UJ					
10	Chloroethane												UJ					
5	Methylene Chloride	7	B	18	B			31	B				UJ	21	B	830	B	
10	Acetone				UJ.	57	B			4,000	B		UJ		UJ	14,000	B	110,000
5	Carbon Disulfide		UJ.						UJ.				UJ					
5	1,1-Dichloroethene												UJ					
5	1,1-Dichloroethane												UJ					
5	Total-1,2-Dichloroethene												UJ					
5	Chloroform	1	B	3	B	7		5	B			2500	B	1	B	130	B	2300
5	1,2-Dichloroethane												UJ					
10	2-Butanone						UJ.				UJ.		UJ.				UJ.	
5	1,1,1-Trichloroethane												UJ					
5	Carbon Tetrachloride												UJ					
10	Vinyl Acetate												UJ					
5	Bromodichloromethane												UJ					

CRQL = Contract Required Quantitation Limit

* Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS

TABBED BY DAS

CHECKED BY KMS (5/11/89)

AR000216

DATA SUMMARY FORM: V O L A T I L E S 2

Site Name: Greenwood Chemical

SAS Case #: 4527C-T1 Sampling Date: 4/3-4/6/89

4527C-T1 –

SOIL SAMPLES (ug/Kg)

To calculate sample quantitation limit: (CRQL * Dilution Factor) / ((1 - % moisture)/10

CRQL	COMPOUND	01		02		03		04		05		06		07		08		09
	Sample No.	01		02		03		04		05		06		07		08		09
	Dilution Factor	1.0		1.0		1.0		1.0		125		2500		1.0		125		2500
	% Moisture	22		20		28		23		17		32		31		25		27
	Location									MEDIUM		MEDIUM				MEDIUM		MEDIUM
5	1,2-Dichloropropane												UJ					
5	Cis-1,3-Dichloropropene												UJ					
5	Trichloroethene												UJ					
5	Dibromochloromethane												UJ					
5	1,1,2-Trichloroethane												UJ					
5	Benzene												UJ					
5	Trans-1,3-Dichloropropene												UJ					
5	Bromoform												UJ					
10	4-Methyl-2-pentanone						UJ.						UJ					
10	2-Hexanone						UJ.						UJ					
5	Tetrachloroethene			170		6	J.	53					UJ	21				
5	1,1,2,2-Tetrachloroethane												UJ					
5	Toluene					40	B	37	B	170	B	690,000	J	2	B	31,000		390,000
5	Chlorobenzene											3100	J					
5	Ethylbenzene												UJ					
5	Styrene												UJ					
5	Total Xylenes												UJ					

CRQL = Contract Required Quantitation Limit * Action Level Exists SEE NARRATIVE FOR CODE DEFINITIONS

AR000217

DATA SUMMARY FORM: B N A S 1

Site Name: Greenwood Chemical

SAS Case #: 4527C-T1 Sampling Date: 4/3-4/6/89

4527C-T1-

SOIL SAMPLES (ug/Kg)

To calculate sample quantitation limit: (CRQL * Dilution Factor) / ((1 - % moisture)/100)

CRQL	COMPOUND	01		02		03		04		05		06		07		08		09	
	Sample_No.	01		02		03		04		05		06		07		08		09	
	Dilution_Factor	3.0		1.00		5.0		10.0		3.0		10.0		1.00		5.0		10.0	
	% Moisture	22		20		28		23		17		32		31		25		27	
	Location	✓		✓		✓		✓		✓		✓		✓		✓			
330	Phenol																	7400	
330	bis(2-Chloroethyl)ether																		
330	2-Chlorophenol																		
330	1,3-Dichlorobenzene																		
330	1,4-Dichlorobenzene																		
330	Benzyl Alcohol																	1300	J
330	1,2-Dichlorobenzene																		
330	2-Methylphenol											1700	J						
330	bis(2-Chloroisopropyl)ether																		
330	4-Methylphenol											1400	J						
330	N-Nitroso-di-n-propylamine																		
330	Hexachloroethane																		
330	Nitrobenzene																		
330	Isophorone																	5200	
330	2-Nitrophenol																		
330	2,4-Dimethylphenol																		
1600	Benzoic Acid																		
330	bis(2-Chloroethoxy)methane																		
330	2,4-Dichlorophenol																		
330	1,2,4-Trichlorobenzene																		
330	Naphthalene	9500		230	J	9700		2000	J	2300		66,000				1300	J	11,000	
330	4-Chloroaniline							490	J			2300	J			830	J	7,900	

CRQL = Contract_Required_Quantitation_Limit * Action_Level_Exists SEE_NARRATIVE_FOR_CODE_DEFINITIONS

AR000218

DATA SUMMARY FORM: B N A S 2

Site Name: Greenwood Chemical

SOIL SAMPLES (ug/Kg)

SAS ~~Case~~ #: 45270-TI Sampling Date: 4/3 - 4/6/89

45270-TI-

To calculate sample quantitation limit: (CRQL * Dilution Factor) / ((1 - % moisture)/100)

	Sample_No.	01		02		03		04		05		06		07		08		09	
	Dilution_Factor	2.0		1.00		5.0		10.0		3.0		10.0		1.00		5.0		10.0	
	% Moisture	22		20		28		23		17		32		31		25		27	
	Location																		
CRQL	COMPOUND																		
330	Hexachlorobutadiene																		
330	4-Chloro-3-methylphenol																		
330	2-Methylnaphthalene	160	J									17,000				440	J	570	J
330	Hexachlorocyclopentadiene																		
330	2,4,6-Trichlorophenol																		
1600	2,4,5-Trichlorophenol		UJ.		UJ.										UJ.		UJ.		
330	2-Chloronaphthalene											4700	J						
1600	2-Nitroaniline																		
330	Dimethyl phthalate																		
330	Acenaphthylene																		
330	2,6-Dinitrotoluene																		
1600	3-Nitroaniline																		
330	Acenaphthene																		
1600	2,4-Dinitrophenol																		
1600	4-Nitrophenol						UJ.		UJ.		UJ.		UJ.						UJ
330	Dibenzofuran																		
330	2,4-Dinitrotoluene																		
330	Diethylphthalate																		
330	4-Chlorophenyl-phenylether																		
330	Fluorene																		
1600	4-Nitroaniline																		
1600	4,6-Dinitro-2-methylphenol																		

CRQL = Contract_Required_Quantitation_Limit * Action_Level_Exists SEE_NARRATIVE_FOR_CODE_DEFINITIONS

AR000219

DATA SUMMARY FORM: B N A S 3

Site Name: Greenwood Chemical

SOIL SAMPLES (ug/Kg)

SAS Case #: 4527C-T1 Sampling Date: 4/3 - 4/6/89

4527C-T1-

To calculate sample quantitation limit: (CRQL * Dilution Factor) / ((1 - % moisture)/100)

	Sample_No.	01		02		03		04		05		06		07		08		09
	Dilution_Factor	3.0		1.00		5.0		100		3.0		10.0		1.00		5.0		10.0
	% Moisture	22		20		28		23		17		32		31		25		27
	Location																	
CRQL	COMPOUND																	
330	N-Nitrosodiphenylamine																	
330	4-Bromophenyl-phenylether																	
330	Hexachlorobenzene																	
1600	Pentachlorophenol																	
330	Phenanthrene											21,000				460	J	
330	Anthracene																	
330	Di-n-butylphthalate																	
330	Fluoranthene																	
330	Pyrene																	
330	Butylbenzylphthalate																	
1600	3,3-Dichlorobenzidine		UJ.		UJ.		UJ.		UJ.		UJ.		UJ.		UJ.		UJ.	
330	Benzo(a)anthracene																	
330	Chrysene																	
330	bis(2-Ethylhexyl)phthalate	2300	B	770	B			6,600	B	460	B			160	B	460	B	1100
330	Di-n-octyl phthalate																	
330	Benzo(b)fluoranthene																	
330	Benzo(k)fluoranthene																	
330	Benzo(a)pyrene																	
330	Indeno(1,2,3-cd)pyrene																	
330	Dibenz(a,h)anthracene		UJ.		UJ.										UJ.		UJ.	
330	Benzo(g,h,i)perylene																	

CRQL = Contract Required Quantitation Limit * Action Level Exists SEE NARRATIVE FOR CODE DEFINITION

AR000220

DATA SUMMARY FORM: TENTATIVELY INDENTIFIED COMPOUNDS

Site Name: Greenwood Chemical

SAS ~~Case~~ #: 4527C-T1 Sampling Date: 4/3-4/6/89

SOIL SAMPLES (ug/Kg)

To calculate sample quantitation limit: (CRQL * Dilution Factor) /_((1 - % moisture/100)

4527C-T1 —

	Sample_No.	01	02	03	04	05	06	07	08	09
	Dilution_Factor									
	% Moisture									
	Location									
CRQL	COMPOUND									
			(VOA) see sheet	(VOA) see sheet	(VOA) see sheet	(VOA) SEE SHEET		(VOA) see sheet		
		(BNA) see sheet	(BNA) see sheet	(BNA) see sheet	(BNA) see sheet	(BNA) see sheet	(BNA) see sheet	(BNA) see sheet	(BNA) see sheet	(BNA) see sheet

CRQL = Contract_Required_Quantitation_Limit

AR000221

DATA SUMMARY FORM: V O L A T I L E S 1

Site Name: Greenwood Chemical

SOIL SAMPLES (ug/Kg)

SAS Case #: 4527C-T1 Sampling Date: 4/3 - 4/6/89

4527C-T1 7

To calculate sample quantitation limit: (CRQL * Dilution_Factor) / ((1 - % moisture)/100)

	Sample No.	10		11		13		14		15		16		24		25		26
	Dilution Factor	800		250		125		3150		625		1.0		1.0		1.0		1.0
	% Moisture	20		31		29		30		25		24		21		23		26
	Location	MEDIUM		MEDIUM		MEDIUM		MEDIUM		MEDIUM		DUPLICATE OF T1-01		DUPLICATE OF T1-29				
CRQL	COMPOUND	GWC-S-FB11-02		GWC-S-FB12-01		GWC-S-FB14-01		GWC-S-FB15-1		GWC-S-FB15-02		GWC-D FB04-01		GWC-S-PS02-01		GWC-S-PS03-01		GWC-S-PS04-
10	Chloromethane								UJ									
10	Bromomethane								UJ									
10	Vinyl Chloride								UJ									
10	Chloroethane								UJ									
5	Methylene Chloride			9800	B				UJ			6	B			3	B	
10	Acetone	110,000	B			3800	B		UJ					37	B	64	B	18
5	Carbon Disulfide								UJ				UJ					
5	1,1-Dichloroethene								UJ									
5	1,1-Dichloroethane								UJ									
5	Total-1,2-Dichloroethene								UJ									
5	Chloroform	710	B	3600	B	260	B	3100	B	540	B	1	B			1	B	3
5	1,2-Dichloroethane								UJ									
10	2-Butanone		UJ.		UJ		UJ.		UJ.		UJ.				UJ.		UJ.	
5	1,1,1-Trichloroethane								UJ									
5	Carbon Tetrachloride								UJ									
10	Vinyl Acetate								UJ									
5	Bromodichloromethane								UJ									

CRQL = Contract Required Quantitation Limit * Action Level Exists SEE NARRATIVE FOR CODE DEFINITIONS

AR000222

DATA SUMMARY FORM: VOLATILES 2

Site Name: Greenwood Chemical

SAS Case #: 4527C-TI Sampling Date: 4/3-4/6/89

4527C-TI-

SOIL SAMPLES (ug/Kg)

To calculate sample quantitation limit: (CRQL * Dilution Factor) / ((1 - % moisture)/100)

	Sample No.	10		11		13		14		15		16		24		25		26	
	Dilution Factor	800		2500		125		3150		625		1.0		1.0		1.0		1.0	
	% Moisture	20		31		29		30		25		24		21		23		26	
	Location	MEDIUM		MEDIUM		MEDIUM		MEDIUM		MEDIUM									
CRQL	COMPOUND																		
5	1,2-Dichloropropane								UJ										
5	Cis-1,3-Dichloropropene								UJ										
5	Trichloroethene								UJ										
5	Dibromochloromethane								UJ										
5	1,1,2-Trichloroethane								UJ										
5	Benzene								UJ										
5	Trans-1,3-Dichloropropene								UJ										
5	Bromoform								UJ										
10	4-Methyl-2-pentanone								UJ						UJ		UJ		
10	2-Hexanone								UJ						UJ		UJ		
5	Tetrachloroethene								UJ									2	J
5	1,1,2,2-Tetrachloroethane								UJ										
5	Toluene	68,000		450,000		27,000		560,000	J	160,000		4	B					9	B
5	Chlorobenzene					150	J		UJ	820	J								
5	Ethylbenzene								UJ										
5	Styrene								UJ										
5	Total Xylenes					330	J		UJ										

CRQL = Contract Required Quantitation Limit * Action Level Exists SEE NARRATIVE FOR CODE DEFINITIONS

AR000223

DATA SUMMARY FORM: B N A S 1

Site Name: Greenwood Chemical

SAS Case #: 4527C Sampling Date: 4/3-4/6/89

4527C-TI-

SOIL SAMPLES (ug/Kg)

To calculate sample quantitation limit: (CRQL * Dilution Factor) / ((1 - % moisture)/100)

CRQL	COMPOUND	10		11		13		14		15		16		24		25		26	
	Dilution_Factor	5.0		10.0		5.0		10.0		5.0		1.00		1.0		1.0		1.0	
	% Moisture	20		31		29		30		25		24		21		23		26	
	Location																		
		✓		✓		✓		✓		✓				✓		✓		(	
330	Phenol	3600																	
330	bis(2-Chloroethyl)ether																		
330	2-Chlorophenol																		
330	1,3-Dichlorobenzene																		
330	1,4-Dichlorobenzene																		
330	Benzyl_Alcohol	610	J																
330	1,2-Dichlorobenzene																		
330	2-Methylphenol			3000	J	790	J	1300	J	310	J								
330	bis(2-Chloroisopropyl)ether																		
330	4-Methylphenol	400	J			380	J												
330	N-Nitroso-di-n-propylamine																		
330	Hexachloroethane																		
330	Nitrobenzene																		
330	Isophorone	2500																	
330	2-Nitrophenol																		
330	2,4-Dimethylphenol																		
1600	Benzoic_Acid					950	J												
330	bis(2-Chloroethoxy)methane																		
330	2,4-Dichlorophenol																		
330	1,2,4-Trichlorobenzene																		
330	Naphthalene	3300		52,000		2900		21,000		4000		4700							
330	4-Chloroaniline	1600	J					6800		1600	J								

CRQL = Contract_Required_Quantitation_Limit * Action_Level_Exists SEE_NARRATIVE_FOR_CODE_DEFINITIONS

AR000224

DATA SUMMARY FORM: B N A S 2

Site Name: Greenwood Chemical

SAS Case #: 4527C Sampling Date: 4/3-4/6/89

4527C-T1-

SOIL SAMPLES (ug/Kg)

To calculate sample quantitation limit: (CRQL * Dilution Factor) / ((1 - % moisture)/100)

	Sample_No.	10		11		13		14		15		16		24		25		26	
	Dilution_Factor	5.0		10.0		5.0		10.0		5.0		1.00		1.0		1.0		1.0	
	% Moisture	20		31		29		30		25		24		21		23		26	
	Location																		
CRQL	COMPOUND																		
330	Hexachlorobutadiene																		
330	4-Chloro-3-methylphenol																		
330	2-Methylnaphthalene	630	J	5100		130	J	1700	J	480	J	190	J						
330	Hexachlorocyclopentadiene																		
330	2,4,6-Trichlorophenol																		
1600	2,4,5-Trichlorophenol												UJ.		UJ.		UJ.		
330	2-Chloronaphthalene											71	J						
1600	2-Nitroaniline																		
330	Dimethyl phthalate																		
330	Acenaphthylene																		
330	2,6-Dinitrotoluene																		
1600	3-Nitroaniline																		
330	Acenaphthene																		
1600	2,4-Dinitrophenol														UJ.		UJ.		
1600	4-Nitrophenol		UJ.		UJ.		UJ.		UJ.		UJ.				UJ.		UJ.		U
330	Dibenzofuran																		
330	2,4-Dinitrotoluene																		
330	Diethylphthalate																		
330	4-Chlorophenyl-phenylether																		
330	Fluorene																		
1600	4-Nitroaniline																		
1600	4,6-Dinitro-2-methylphenol																		

CRQL = Contract_Required_Quantitation_Limit * Action_Level_Exists SEE_NARRATIVE_FOR_CODE_DEFINITIONS

ARO0225

DATA SUMMARY FORM: B N A S 3

Site Name: Greenwood Chemical

SOIL SAMPLES (ug/Kg)

SAS Case #: 4527C-T1 Sampling Date: 4/3-4/6/89

4527C-T1-

To calculate sample quantitation limit: (CRQL * Dilution Factor) / ((1 - % moisture)/100)

	Sample_No.	10		11		13		14		15		16		24		25		26
	Dilution_Factor	5.0		10.0		5.0		10.0		5.0		1.00		1.0		1.0		1.0
	% Moisture	20		31		29		30		25		24		21		23		26
	Location																	
CRQL	COMPOUND																	
330	N-Nitrosodiphenylamine																	
330	4-Bromophenyl-phenylether																	
330	Hexachlorobenzene																	
1600	Pentachlorophenol																	
330	Phenanthrene																	
330	Anthracene																	
330	Di-n-butylphthalate																	
330	Fluoranthene																	
330	Pyrene																	
330	Butylbenzylphthalate											150	J					220
1600	3,3-Dichlorobenzidine		UJ.		UJ.		UJ.		UJ.		UJ.		UJ.		UJ.		UJ.	
330	Benzo(a)anthracene																	
330	Chrysene																	
330	bis(2-Ethylhexyl)phthalate	390	B	2200	B							400	B	200	B	250	B	1300
330	Di-n-octyl phthalate											120	J					180
330	Benzo(b)fluoranthene																	
330	Benzo(k)fluoranthene																	
330	Benzo(a)pyrene																	
330	Indeno(1,2,3-cd)pyrene																	
330	Dibenz(a,h)anthracene												UJ.					
330	Benzo(g,h,i)perylene																	

CRQL = Contract_Required_Quantitation_Limit * Action_Level_Exists SEE_NARRATIVE_FOR_CODE_DEFINITIONS

AR000226

DATA SUMMARY FORM: PESTICIDES AND PCBS

Site Name: Greenwood Chemical

SAS ~~Case~~ #: 4527C-T1 Sampling Date: 4/3-4/6/89

4527C-T1-

SOIL SAMPLES (ug/Kg)

To calculate sample quantitation limit: (CRQL * Dilution Factor) / ((1 - % moisture)/100)

	Sample_No.	10		11		13		14		15		16		24		25		26	
	Dilution_Factor													1.0		1.0		1.0	
	% Moisture[1]													22		23		26	
	Location																		
CRQL	COMPOUND	✓		✓		✓		✓		✓				✓		✓		✓	
8	alpha-BHC																		
8	beta-BHC																		
8	delta-BHC															6.8	J	8.1	
8	Gamma-BHC (Lindane)																		
8	Heptachlor																		
8	Aldrin																		
8	Heptachlor_Epoxide																		
8	Endosulfan_I															13			
16	Dieldrin																		
16	4,4'-DDE	NOT ANALYZED		NOT ANALYZED		NOT ANALYZED		NOT ANALYZED		NOT ANALYZED		NOT ANALYZED				100			
16	Endrin																		
16	Endosulfan_II																		
16	4,4'-DDD																		
16	Endosulfan_Sulfate																		
16	4,4'-DDT															6.9	J	78	
80	Methoxychlor																		
16	Endrin_ketone																		
80	Alpha-Chlordane																		
80	Gamma-Chlordane																		
160	Toxaphene																		
80	Aroclor-1016																		
80	Aroclor-1221																		
80	Aroclor-1232																		
80	Aroclor-1242																		
80	Aroclor-1248																		
160	Aroclor-1254																		
160	Aroclor-1260																		

CRQL = [illegible]act_Required_Quantitation_Limit * [illegible]n_Level_Exists SEE_NARRATIVE_FOR_C[illegible] DEFINITIONS

AR000227

DATA SUMMARY FORM: TENTATIVELY INDENTIFIED COMPOUNDS

Site Name: Greenwood Chemical

SAS ~~Case~~ #: 4527C-TI Sampling Date: 4/3 - 4/6/87

4527C-TI-

SOIL SAMPLES (ug/Kg)

To calculate sample quantitation limit: (CRQL * Dilution Factor) /_((1 - % moisture/100)

	Sample_No.	10	11	13	14	15	16	24	25	26
	Dilution_Factor									
	% Moisture									
	Location									
CRQL	COMPOUND	✓	✓	✓	✓	✓				
							(VOA) see sheet			(VOA) see sheet
		(BNA) see sheet	(BNA) see sheet	(BNA) see sheet	(BNA) see sheet	(BNA) see sheet	(BNA) see sheet	(BNA) see sheet	(BNA) see sheet	(BNA) see sheet

CRQL = Contract_Required_Quantitation_Limit

AR000228

DATA SUMMARY FORM: V O L A T I L E S 1

Site Name: Greenwood Chemical

SAS Case #: 4527C-T1 Sampling Date: 4/3-4/6/89

SOIL SAMPLES (ug/Kg)

To calculate sample quantitation limit: (CRQL * Dilution_Factor) / ((1 - % moisture)/100)

CRQL	COMPOUND																		
	Sample No.	27		28		29				23		12							
	Dilution Factor	1.0		1.0		1.0				1.0		1.0							
	% Moisture	28		33		22				26		26							
	Location	GWC-S-PS05-01		GWC-S-PS06-01		DUPLICATE OF T1-24 GWC-D-PS02-02				GWC-S-PS01-01		GWC-S-FB13-01							
10	Chloromethane																		
10	Bromomethane																		
10	Vinyl Chloride																		
10	Chloroethane																		
5	Methylene Chloride	5	B	10	B	8	B												
10	Acetone			230	B	17	B			47	B	92	B						
5	Carbon Disulfide		UJ.		UJ.		UJ.												
5	1,1-Dichloroethene																		
5	1,1-Dichloroethane																		
5	Total-1,2-Dichloroethene																		
5	Chloroform									1	B	2	B						
5	1,2-Dichloroethane																		
10	2-Butanone										UJ.		UJ.						
5	1,1,1-Trichloroethane																		
5	Carbon Tetrachloride																		
10	Vinyl Acetate																		
5	Bromodichloromethane																		

CRQL = Contract Required Quantitation Limit * Action Level Exists SEE NARRATIVE FOR CODE DEFINITIONS

AR000229

DATA SUMMARY FORM: VOLATILES 2

Site Name: Greenwood Chemical

SAS Case #: 4527C-T1 Sampling Date: 4/3 - 4/6/89

4527C+T1-

SOIL SAMPLES (ug/Kg)

To calculate sample quantitation limit: (CRQL * Dilution Factor) / ((1 - % moisture)/100)

	Sample No.	27		28		29				23		12							
	Dilution Factor	1.0		1.0		1.0				1.0		1.0							
	% Moisture	28		33		22				26		26							
	Location																		
CRQL	COMPOUND																		
5	1,2-Dichloropropane																		
5	Cis-1,3-Dichloropropene																		
5	Trichloroethene																		
5	Dibromochloromethane																		
5	1,1,2-Trichloroethane																		
5	Benzene																		
5	Trans-1,3-Dichloropropene																		
5	Bromoform																		
10	4-Methyl-2-pentanone										UJ		UJ						
10	2-Hexanone										UJ		UJ						
5	Tetrachloroethene											5	J						
5	1,1,2,2-Tetrachloroethane																		
5	Toluene	5	B									9	B						
5	Chlorobenzene																		
5	Ethylbenzene											60							
5	Styrene																		
5	Total Xylenes											370							

CRQL = Contract Required Quantitation Limit * Action Level Exists SEE NARRATIVE FOR CODE DEFINITIONS

AR000230

DATA SUMMARY FORM: B N A S 1

Site Name: Greenwood Chemical

SOIL SAMPLES (ug/Kg)

SAS Case #: 4527C-T1 Sampling Date: 4/3-4/6/85

4527C-T1

To calculate sample quantitation limit: (CRQL * Dilution Factor) / ((1 - % moisture)/100)

	Sample_No.	27	28	29		23	12			
	Dilution_Factor	1.0	1.0	1.0		1.0	5.0			
	% Moisture	28	33	22		26	26			
	Location									
CRQL	COMPOUND	✓	✓	✓		✓	✓			
330	Phenol									
330	bis(2-Chloroethyl)ether									
330	2-Chlorophenol									
330	1,3-Dichlorobenzene									
330	1,4-Dichlorobenzene									
330	Benzyl_Alcohol									
330	1,2-Dichlorobenzene									
330	2-Methylphenol									
330	bis(2-Chloroisopropyl)ether									
330	4-Methylphenol									
330	N-Nitroso-di-n-propylamine									
330	Hexachloroethane									
330	Nitrobenzene									
330	Isophorone									
330	2-Nitrophenol									
330	2,4-Dimethylphenol									
1600	Benzoic_Acid		790 J							
330	bis(2-Chloroethoxy)methane									
330	2,4-Dichlorophenol									
330	1,2,4-Trichlorobenzene									
330	Naphthalene						460 J			
330	4-Chloroaniline									

CRQL = Contract_Required_Quantitation_Limit * Action_Level_Exists SEE_NARRATIVE_FOR_CODE_DEFINITIONS

AR000231

DATA SUMMARY FORM: B N A S 2

Site Name: Greenwood Chemical

SOIL SAMPLES (ug/Kg)

SAS Case #: 4527C-TL Sampling Date: 4/3-4/6/89

4527C-TL

To calculate sample quantitation limit: (CRQL * Dilution Factor) / ((1 - % moisture)/100)

	Sample_No.	27		28		29				23		12						
	Dilution_Factor	1.0		1.0		1.0				1.0		5.0						
	% Moisture	28		33		22				26		26						
	Location																	
CRQL	COMPOUND																	
330	Hexachlorobutadiene																	
330	4-Chloro-3-methylphenol																	
330	2-Methylnaphthalene																	
330	Hexachlorocyclopentadiene																	
330	2,4,6-Trichlorophenol																	
1600	2,4,5-Trichlorophenol		UJ.				UJ.				UJ.							
330	2-Chloronaphthalene																	
1600	2-Nitroaniline																	
330	Dimethyl phthalate																	
330	Acenaphthylene																	
330	2,6-Dinitrotoluene																	
1600	3-Nitroaniline																	
330	Acenaphthene																	
1600	2,4-Dinitrophenol		UJ.				UJ.				UJ.							
1600	4-Nitrophenol		UJ.		UJ.		UJ.				UJ.		UJ.					
330	Dibenzofuran																	
330	2,4-Dinitrotoluene																	
330	Diethylphthalate																	
330	4-Chlorophenyl-phenylether																	
330	Fluorene																	
1600	4-Nitroaniline																	
1600	4,6-Dinitro-2-methylphenol																	

CRQL = Contract_Required_Quantitation_Limit * Action_Level_Exists SEE_NARRATIVE_FOR_CODE_DEFINITIONS

AR000232

DATA SUMMARY FORM: B N A S 3

Site Name: Greenwood Chemical

SOIL SAMPLES (ug/Kg)

Case #: 4527C-T1 Sampling Date: 4/3 - 4/6/89

4527C-T1

To calculate sample quantitation limit: (CRQL * Dilution Factor) / ((1 - % moisture)/100)

	Sample_No.	27		28		29				23		12						
	Dilution_Factor	1.0		1.0		1.0				1.0		5.0						
	% Moisture	28		33		22				26		26						
	Location																	
CRQL	COMPOUND																	
330	N-Nitrosodiphenylamine																	
330	4-Bromophenyl-phenylether																	
330	Hexachlorobenzene																	
1600	Pentachlorophenol																	
330	Phenanthrene																	
330	Anthracene																	
330	Di-n-butylphthalate																	
330	Fluoranthene																	
330	Pyrene																	
330	Butylbenzylphthalate																	
1600	3,3-Dichlorobenzidine		UJ.		UJ.		UJ.				UJ.		UJ.					
330	Benzo(a)anthracene																	
330	Chrysene																	
330	bis(2-Ethylhexyl)phthalate			280	B	3,900	B			140	B							
330	Di-n-octyl phthalate																	
330	Benzo(b)fluoranthene																	
330	Benzo(k)fluoranthene																	
330	Benzo(a)pyrene																	
330	Indeno(1,2,3-cd)pyrene																	
330	Dibenz(a,h)anthracene																	
330	Benzo(g,h,i)perylene																	

CRQL = Contract_Required_Quantitation_Limit * Action_Level_Exists SEE_NARRATIVE_FOR_CODE_DEFINITIONS

AR000239

DATA SUMMARY FORM: PESTICIDES AND PCBS

Site Name: Greenwood Chemical

SOIL SAMPLES (ug/Kg)

SAS Case #: 4527C-T1 Sampling Date: 4/3 - 4/6/89

4527C-T1-

To calculate sample quantitation limit: (CRQL * Dilution Factor) / ((1 - % moisture)/100)

	Sample_No.	27		28		29				23		12						
	Dilution_Factor	1.000		1.000		1.000				1.000								
	% Moisture[1]	28		34		23				27								
	Location																	
CRQL	COMPOUND	✓		✓		✓				✓		✓						
8	alpha-BHC																	
8	beta-BHC																	
8	delta-BHC			11	J					9.2	J							
8	Gamma-BHC (Lindane)																	
8	Heptachlor									8.4	J							
8	Aldrin																	
8	Heptachlor_Epoxide																	
8	Endosulfan_I																	
16	Dieldrin																	
16	4,4'-DDE			16	J					44								
16	Endrin											NOT						
16	Endosulfan_II											ANALYZED						
16	4,4'-DDD									11	J							
16	Endosulfan_Sulfate																	
16	4,4'-DDT			25						13	J							
80	Methoxychlor																	
16	Endrin_ketone																	
80	Alpha-Chlordane																	
80	Gamma-Chlordane																	
160	Toxaphene																	
80	Aroclor-1016																	
80	Aroclor-1221																	
80	Aroclor-1232																	
80	Aroclor-1242																	
80	Aroclor-1248																	
160	Aroclor-1254																	
160	Aroclor-1260																	

CRQL = Contract_Required_Quantitation_Limit * Action_Level_Exists SEE_NARRATIVE_FOR_CODE_DEFINITIONS

AR000234

DATA SUMMARY FORM: TENTATIVELY INDENTIFIED COMPOUNDS

Site Name: Greenwood Chemical

SAS Case #: 4527C-T1 Sampling Date: 4/3 - 4/6/89

4527C-T1-

SOIL SAMPLES (ug/Kg)

To calculate sample quantitation limit: (CRQL * Dilution Factor) /_((1 - % moisture/100)

	Sample_No.	27	28	29		23	12			
	Dilution_Factor									
	% Moisture									
	Location									
CRQL	COMPOUND									
			(VOA) SEE SHEET							
		(BNA) see sheet	(BNA) see sheet	(BNA) see sheet		(BNA) see sheet	(BNA) see sheet			

CRQL = Contract_Required_Quantitation_Limit

AR000235

DATA SUMMARY FORM: VOLATILES 1

Site Name: Greenwood Chemical Site

SOIL SAMPLES (ug/Kg)

Case #: 11408 Sampling Date: 2/4 - 2/5/89

To calculate sample quantitation limit: (CRQL * Dilution_Factor) / ((1 - % moisture)/100)

	Sample No.		CT159		CT160		CT167		CT168		CT169		CT170		CT171		CT172	
	Dilution Factor		3.33 MEDIUM		1.18 MEDIUM		20.0 MED		20.0 MED		66.7 MED		10.0 MED		50.0 MED		100 MED	
	% Moisture		25		26		32		31		30		27		32		28	
	Location		GWC-S-FB01-01 field dup. to CT160 ✓		GWC-D-FB01-01 field dup. to CT159 ✓		GWC-S-FB02-01 ✓		GWC-S-FB02-02 ✓		GWC-FB03-01 ✓		GWC-S-SB57-01 ✓		GWC-S-SB57-02 ✓		GWC-S-SB5-03 ✓	
CRQL	COMPOUND																	
10	Chloromethane																	
10	Bromomethane																	
10	Vinyl Chloride																	
10	Chloroethane																	
5	Methylene Chloride		9900	B	9700	B	30,000	B	22,000	B	70,000	B	13000	B	100,000	B	180,000	B
10	Acetone		46000	B	43000	B	75,000	B	170,000	B	140,000	B	4200	B	22,000	B	94,000	B
5	Carbon Disulfide																	
5	1,1-Dichloroethene																	
5	1,1-Dichloroethane										16000	J						
5	Total-1,2-Dichloroethene																	
5	Chloroform		8400		6300													
5	1,2-Dichloroethane																	
10	2-Butanone																	
5	1,1,1-Trichloroethane										22000	J						
5	Carbon Tetrachloride																	
10	Vinyl Acetate																	
5	Bromodichloromethane																	

CRQL = Contract Required Quantitation Limit * Action Level Exists SEE NARRATIVE FOR CODE DEFINITIONS

TABBED BY DAS VERIFIED BY KMS (6/5/89)

AR000236

DATA SUMMARY FORM: VOLATILES 2

Site Name: Greenwood Chemical Site

SOIL SAMPLES (ug/Kg)

Case #: 11408 Sampling Date: 2/4-2/5/89

To calculate sample quantitation limit: (CRQL * Dilution Factor) / ((1 - % moisture)/100)

	Sample No.	CT158		CT159		CT160		CT167		CT168		CT169		CT170		CT171		CT172	
	Dilution Factor	1		3.33 MED		1.18 MED		20.0 MED		20.0 MED		66.7 MED		10.0 MED		50.0 MED		MED	
	% Moisture	100		25		26													
	Location	TRIP BLANK		FIELD DUPLICATE PAIR															
CRQL	COMPOUND																		
5	1,2-Dichloropropane																		
5	Cis-1,3-Dichloropropene																		
5	Trichloroethene																		
5	Dibromochloromethane																		
5	1,1,2-Trichloroethane																		
5	Benzene																		
5	Trans-1,3-Dichloropropene																		
5	Bromoform																		
10	4-Methyl-2-pentanone																		
10	2-Hexanone																		
5	Tetrachloroethene													140,000		38,000	J		
5	1,1,2,2-Tetrachloroethane																		
5	Toluene			98000		37000		410,000		550,000		1,300,000		280,000		1300,000		1,800,000	
5	Chlorobenzene			5200		1500						430,000						33,000	J
5	Ethylbenzene			2300	J	610	J												
5	Styrene																		
5	Total Xylenes			21000		6000													

CRQL = Contract Required Quantitation Limit * Action Level Exists SEE NARRATIVE FOR CODE DEFINITIONS

AR000237

DATA SUMMARY FORM: B N A S 1

Site Name: Greenwood Chemical Site

SOIL SAMPLES (ug/Kg)

Case #: 11408 Sampling Date: 2/4 -2/5/89

To calculate sample quantitation limit:
(CROL * Dilution Factor) / ((1 - % moisture)/100)

	Sample_No.		CT159		CT160		CT167		CT168		CT169		CT170		CT171		CT172	
	Dilution_Factor		1 MED		1 MED		1 MED		1 MED		1 MED		1 MED		1 MED		1 MED	
	% Moisture		24.8		26.4		31.9		31.0		30.0		26.9		31.5		27.7	
	Location		FIELD DUPLICATE PAIR															
CROL	COMPOUND																	
330	Phenol																	
330	bis(2-Chloroethyl)ether																	
330	2-Chlorophenol																	
330	1,3-Dichlorobenzene																	
330	1,4-Dichlorobenzene																	
330	Benzyl_Alcohol																	
330	1,2-Dichlorobenzene																	
330	2-Methylphenol																	
330	bis(2-Chloroisopropyl)ether																	
330	4-Methylphenol																	
330	N-Nitroso-di-n-propylamine																	
330	Hexachloroethane																	
330	Nitrobenzene																	
330	Isophorone																	
330	2-Nitrophenol																	
330	2,4-Dimethylphenol																	
1600	Benzoic_Acid			UJ		UJ		UJ		UJ				UJ				
330	bis(2-Chloroethoxy)methane																	
330	2,4-Dichlorophenol																	
330	1,2,4-Trichlorobenzene																	
330	Naphthalene			220,000		270,000		25,000	J	53,000		63,000		250,000		480,000		310,000
330	4-Chloroaniline																	

CROL = Contract_Required_Quantitation_Limit * Action_Level_Exists SEE_NARRATIVE_FOR_CODE_DEFINITIONS

AR000238

DATA SUMMARY FORM: B N A S 2

Site Name: Greenwood Chemical Site

SOIL SAMPLES (ug/Kg)

Case #: 11408 Sampling Date: 2/4 - 2/5/89

To calculate sample quantitation limit: (CRQL * Dilution Factor) / ((1 - % moisture)/100)

	Sample_No.		CT159	CT160	CT167	CT168	CT169	CT170	CT171	CT172
	Dilution_Factor		1 MED	1 MED	1 MED	1 MED	1 MED	1 MED	1 MED	1 MED
	% Moisture		24.8	26.4	31.9	31.0	30.0	26.9	31.5	27.7
	Location									
CRQL	COMPOUND		FIELD DUPLICATE PAIR ✓		✓	✓	✓	✓	✓	✓
330	Hexachlorobutadiene									
330	4-Chloro-3-methylphenol									
330	2-Methylnaphthalene									
330	Hexachlorocyclopentadiene									
330	2,4,6-Trichlorophenol									
1600	2,4,5-Trichlorophenol			UJ	UJ	UJ	UJ	UJ		
330	2-Chloronaphthalene									
1600	2-Nitroaniline									
330	Dimethyl phthalate									
330	Acenaphthylene									
330	2,6-Dinitrotoluene									
1600	3-Nitroaniline									
330	Acenaphthene									
1600	2,4-Dinitrophenol									
1600	4-Nitrophenol									
330	Dibenzofuran									
330	2,4-Dinitrotoluene									
330	Diethylphthalate									
330	4-Chlorophenyl-phenylether									
330	Fluorene									
1600	4-Nitroaniline									
1600	4,6-Dinitro-2-methylphenol									

CRQL = Contract_Required_Quantitation_Limit * Action_Level_Exists SEE_NARRATIVE_FOR_CODE_DEFINITIONS

AR000239

DATA SUMMARY FORM: B N A S 3

Site Name: Greenwood Chemical Site

SOIL SAMPLES (ug/Kg)

Case #: 11408 Sampling Date: 2/4 - 2/5/88

To calculate sample quantitation limit: (CRQL * Dilution Factor) / ((1 - % moisture)/100)

	Sample_No.		CT159	CT160	CT167	CT168	CT169	CT170	CT171	CT172
	Dilution_Factor		1 MED	1 MED	1 MED	1 MED	1 MED	1 MED	1 MED	1 MED
	% Moisture		24.8	26.4	31.9	31.0	30.0	26.9	31.5	27.7
	Location		FIELD DUPLICATE PAIR							
CRQL	COMPOUND									
330	N-Nitrosodiphenylamine									
330	4-Bromophenyl-phenylether									
330	Hexachlorobenzene									
1600	Pentachlorophenol									
330	Phenanthrene									
330	Anthracene									
330	Di-n-butylphthalate									
330	Fluoranthene									
330	Pyrene									
330	Butylbenzylphthalate									
1600	3,3-Dichlorobenzidine									
330	Benzo(a)anthracene									
330	Chrysene									
330	bis(2-Ethylhexyl)phthalate									
330	Di-n-octyl phthalate									
330	Benzo(b)fluoranthene									
330	Benzo(k)fluoranthene									
330	Benzo(a)pyrene									
330	Indeno(1,2,3-cd)pyrene									
330	Dibenz(a,h)anthracene									
330	Benzo(g,h,i)perylene									

CRQL = Contract_Required_Quantitation_Limit * Action_Level_Exists SEE_NARRATIVE_FOR_CODE_DEFINITIONS

AR000240

DATA SUMMARY FORM: T E N T A T I V E L Y I N D E N T I F I E D C O M P O U N D S

Site Name: Greenwood Chemical Site

SOIL SAMPLES (ug/Kg)

Case #: 11408 Sampling Date: 2/4 - 2/5/89

To calculate sample quantitation limit: (CRQL * Dilution Factor) /_((1 - % moisture/100)

	Sample_No.		CT159		CT160		CT167		CT168		CT169		CT170		CT171		CT172	
	Dilution_Factor																	
	% Moisture																	
	Location																	
CRQL	COMPOUND																	
	(16.03) 1-NAPHTHALENE - CARBOXALDEHYDE (BNA)		14000	J	16000	J					104,000	J	16,000	J	46,000	J	14,000	J
	(18.48) 1-NAPHTHALENE - ACETONITRILE (BNA)		64000	J	84000	J					30,000	J	116,000	J	79,000	J	440,000	J
	(16.03) NAPHTHALENECARBO-NITRILE ISOMER										40,000	J						
	VOA TIC SEE PAGE								56		65				86		96	
	BNA TIC SEE ATTACHED PAGE FOR OTHER		190		203		216		226		235		260		274		291	

CRQL = Contract_Required_Quantitation_Limit

AR000241

DATA SUMMARY FORM: I N O R G A N I C S

Site Name: GREENWOOD CHEMICAL

Case #: 11408 Sampling Date: 2/6/89

SOIL SAMPLES (mg/Kg)

*Due to dilution, sample quantitation limit is affected. See dilution table for specifics.

CRDL	ANALYTE	MCR255		MCR256		MCR257		MCR258		MCR259		MCR260		MCR261		MCR262	
	Dilution Factor																
	% Solids	75.3		75.4		68.6		68.1		67.2		73.1		70.3		72.8	
	Location	GWC-S-FB01-01		GWC-D-FB01-01		GWC-S-FB02-01		GWC-S-FB02-02		GWC-S-FB03-01		GWC-S SB57-01		GWC-S-SB57-02		GWC-S-SB57-03	
		DUPLICATES ✓				✓		✓		✓		✓		✓		✓	
40	Aluminum	34000		48000		68,800		30,000		64,000		34600		60500		49500	
12	Antimony		R		R		R		R		R		R		R		R
2	Arsenic	7.5		4.1		110		4.2		219		28.5		82.3		44.4	
40	Barium	[27.4]		[35.9]		67.8		312		[48.2]		[38.5]		55.2		267	
1	Beryllium															[.35]	
1	Cadmium	7.2		7.3		8.2		45.3		9.6		7.7		8.3		5.9	
1000	Calcium	[272]		[356]		[781]		2860		1,740		[349]		[314]		[943]	
2	Chromium	66.4		65.5		57.0		49.5		60.4		76.7		77.6		49.6	
10	Cobalt	11.5		12.8		19.1		89.8		16.2		12.2		19.5		14.2	
5	Copper	60.5	J	60.3	J	85.0	J	362	J	480	J	43.8	J	68.4	J	78.3	J
20	Iron	110,000	J	105,000	J	119,000	J	663,000	J	135000	J	117000	J	118000	J	82400	J
1	*Lead	22	J	11.6	J	19.8		14.8		22.2		60.1		41.9		27.2	
1000	Magnesium	[692]		[960]		1,560		6180		1510		[786]		1470		1400	
3	Manganese	89.6		98.1		229		1130		189		147		179		1890	
0.2	Mercury	.30	J	.77	J	.17	J	.20	J	.58	J		UJ	.19	J	.76	J
8	Nickel	10.2		15.2		28.4		99.9		30.9		10.9		22.2		18.0	
1000	Potassium	[615]		[932]		1330		6910		[1286]		[549]		1010		1000	
1	Selenium	1.3	L	1.1	L	[.56]	L		UL		UL	[.43]	L		UL		UL
2	Silver																
1000	Sodium	4160		3930		1370		9110		11300		2960		[463]		[1010]	
2	Thallium			[.51]								[.58]				[.94]	
10	Vanadium	240		244		306		1850		377		280		291		195	
4	Zinc	75.7	L	87.2	L	129	L	393	L	299	L	82.9	L	119	L	103	L
2	Cyanide	2.7	K			37.4	K	5.5	K	96.5	K	88.8	K	206	K	83.4	K

CRDL = Contract Required Detection Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS

TABBED BY PJB

VERIFIED BY KMS (6/12/89)

revised 10/88