N61165.AR.002984
CNC CHARLESTON
5090.3a

RESOURCE CONSERVATION AND RECOVERY ACT FACILITY INVESTIGATION REPORT ZONE C VOLUME 3 APPENDIX D THROUGH H CNC CHARLESTON SC

11/14/1997

ENSAFE INC.

ZONE C
RCRA FACILITY
INVESTIGATION REPORT
NAVBASE CHARLESTON

VOLUME III
APPENDIX D - H

CONTRACT N62467-89-D-0318
CTO-029

Prepared for:

Comprehensive Long-Term Environmental Action Navy (CLEAN)
Charleston Naval Shipyard
Charleston, South Carolina

Prepared by:

EnSafe Inc.
5724 Summer Trees Drive
Memphis, Tennessee 38134
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November 14, 1997
Revision: 0

Appendix D

Zone C
Analytical Data

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

APX9-HERB													
	SAMPLE ID ------>	044-C-B007-01		044-H-W004-01		047-C-B004-01		047-C-B009-01		047-H-W005-01		508-C-B006-01	
	ORIGINAL ID ----->	044CB00701		044HW00401		047CB00401		047CB00901		047HW00501		508CB00601	
	LAB SAMPLE ID --->	690185		731388		703370		703526		731871		692243	
	ID FROM REPORT -->	044CB00701		044HW00401		047CB00401		047CB00901		047HW00501		508CB00601	
	SAMPLE DATE ----->	03/14/95		06/13/95		04/13/95		04/14/95		06/14/95		03/21/95	
	DATE EXTRACTED -->	03/20/95		06/20/95		04/21/95		04/26/95		06/20/95		03/30/95	
	DATE ANALYZED --->	03/21/95		06/23/95		04/27/95		04/28/95		06/23/95		04/05/95	
	MATRIX ---------->	Soil		Water		Soil		Soil		Water		Soil	
	UNITS ---------->	UG/KG		UG/L		UG/KG		UG/KG		UG/L		UG/KG	
CAS #	Parameter	0001H	VAL	0018H	VAL	0010H	VAL	0012H	VAL	0018H	VAL	0001H	VAL
94-75-7	2,4-D	115.	U	4.	U	110.	U	110.	U	4.	U	120.	U
93-72-1	2,4,5-TP (Silvex)	27.	U	1.	U	28.	U	27.	U	1.	U	31.	U
93-76-5	2,4,5-T	28.	J	1.	U	28.	U	27.	U	1.	U	12.	J
88-85-7	Dinoseb	27.	U	1.	U	9.	U	27.	U	1.	U	31.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

APX9-HERB												
	SAMPLE ID ------>	510-C-B005-02		511-C-B005-02		512-C-B003-01		513-C-B002-02		515-C-B006-02		517-C-B002-02	
	ORIGINAL ID ----->	510CB00502		511CB00502		512CB00301		513CB00202		515CB00602		517CB00202	
	LAB SAMPLE ID --->	690173		692109		690552		702414		704218		698359	
	ID FROM REPORT -->	510CB00502		511CB00502		512CB00301		513CB00202		515CB00602		517CB00202	
	SAMPLE DATE ----->	03/14/95		03/21/95		03/15/95		04/12/95		04/18/95		04/04/95	
	DATE EXTRACTED -->	03/20/95		03/30/95		03/20/95		04/21/95		04/26/95		04/15/95	
	DATE ANALYZED --->	03/21/95		04/05/95		03/21/95		04/27/95		04/28/95		05/08/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0001H	VAL	0001H	VAL	0001H	VAL	0010H	VAL	0012H	VAL	0004H	VAL
94-75-7	2,4-D	115.	U	110.	U	115.	U	110.	U	110.	U	23.	J
93-72-1	2,4,5-TP (Silvex)	27.	U	26.	U	27.	U	26.	U	1.7	J	27.	U
93-76-5	2,4,5-T	11.	J	26.	U	8.5	J	26.	U	26.	U	27.	UJ
88-85-7	Dinoseb	27.	U	26.	U	27.	U	2.3	J	26.	U	8.5	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

APX9-HERB													
	SAMPLE ID ------->	518-C-B004-01		518-C-B006-01		519-C-B001-01		520-C-B003-02		522-C-B003-01		523-C-B002-02	
	ORIGINAL ID ----->	518CB00401		518CB00601		519CB00101		520CB00302		522CB00301		523CB00202	
	LAB SAMPLE ID --->	699036 D50		736711		706650 D50		701025		25918.01		698021	
	ID FROM REPORT -->	518CB00401		518CB00601		519CB00101		520CB00302		522CB00301		523CB00202	
	SAMPLE DATE ----->	04/05/95		06/28/95		04/22/95		04/07/95		06/06/96		04/03/95	
	DATE EXTRACTED -->	04/15/95		07/05/95		04/28/95		04/19/95		06/16/96		04/15/95	
	DATE ANALYZED --->	04/28/95		07/11/95		04/30/95		05/01/95		06/21/96		05/08/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0005H	VAL	0021H	VAL	0015H	VAL	0006H	VAL	25887	VAL	0004H	VAL
94-75-7	2,4-D	520.	UJ	110.	UR	55.	J	15.	R	68.	U	110.	U
93-72-1	2,4,5-TP (Silvex)	130.	UJ	3.1	J	130.	UJ	26.	U	15.	U	27.	U
93-76-5	2,4,5-T	130.	UR	26.	UR	18.	J	26.	U	18.	U	27.	U
88-85-7	Dinoseb	20.	J	26.	U	8.	U	8.2	U	41.	U	9.1	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

APX9-HERB												
	SAMPLE ID ------->	523-H-W001-01		700-S-B001-01		700-S-B001-02		700-S-B002-01		700-S-B002-02		700-S-B003-01	
	ORIGINAL ID ----->	523HW00101		700SB00101		700SB00102		700SB00201		700SB00202		700SB00301	
	LAB SAMPLE ID --->	732777		25887.03		25887.04		25887.05		25887.06		25887.01	
	ID FROM REPORT -->	523HW00101		700SB00101		700SB00102		700SB00201		700SB00202		700SB00301	
	SAMPLE DATE ----->	06/15/95		06/05/96		06/05/96		06/05/96		06/05/96		06/05/96	
	DATE EXTRACTED -->	06/22/95		06/26/96		06/26/96		06/26/96		06/26/96		06/26/96	
	DATE ANALYZED --->	06/24/95		07/06/96		07/06/96		07/06/96		07/06/96		07/06/96	
	MATRIX ---------->	Water		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	UG/L		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0018H	VAL	25887	VAL	25887	VAL	25887	VAL	25887	VAL	25887	VAL
94-75-7	2,4-D	0.1	UJ	71.	U	82.	U	69.	U	78.	U	67.	U
93-72-1	2,4,5-TP (Silvex)	0.04	UJ	16.	U	18.	U	16.	U	18.	U	15.	U
93-76-5	2,4,5-T	0.04	UJ	18.	U	21.	U	18.	U	20.	U	17.	U
88-85-7	Dinoseb	0.04	U	42.	U	49.	U	41.	U	47.	U	40.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

APX9-HERB												
	SAMPLE ID ------->	700-C-B003-01		700-S-B003-02		700-S-B004-01		700-S-B004-02		700-S-B005-01		700-S-B005-02	
	ORIGINAL ID ----->	700CB00301		700SB00302		700SB00401		700SB00402		700SB00501		700SB00502	
	LAB SAMPLE ID --->	25888.01		25887.02		25917.03		25917.04		25917.01		25917.02	
	ID FROM REPORT -->	700CB00301		700SB00302		700SB00401		700SB00402		700SB00501		700SB00502	
	SAMPLE DATE ----->	06/05/96		06/05/96		06/06/96		06/06/96		06/06/96		06/06/96	
	DATE EXTRACTED -->	06/26/96		06/26/96		06/16/96		06/16/96		06/16/96		06/16/96	
	DATE ANALYZED --->	07/06/96		07/06/96		06/21/96		06/21/96		06/21/96		06/21/96	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	25887	VAL	25887	VAL	25887	VAL	25887	VAL	25887	VAL	25887	VAL
94-75-7	2,4-D	66.	U	81.	U	68.	U	76.	U	71.	U	92.	U
93-72-1	2,4,5-TP (Silvex)	15.	U	18.	U	15.	U	17.	U	16.	U	21.	U
93-76-5	2,4,5-T	17.	U	21.	U	18.	U	19.	U	18.	U	24.	U
88-85-7	Dinoseb	39.	U	48.	U	41.	UJ	45.	UJ	43.	UJ	55.	UJ

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

APX9-HERB										
	SAMPLE ID ------->	GDC-C-B013-01		GDC-C-B017-01		GDC-C-B023-02		GDC-C-B035-02		GDC-C-B045-01	
	ORIGINAL ID ----->	GRDCB01301		GRDCB01701		GRDCB02302		GRDCB03502		GDCCB04501	
	LAB SAMPLE ID --->	702013		702589		701995		702428		736416	
	ID FROM REPORT -->	GRDCB01301		GRDCB01701		GRDCB02302		GRDCB03502		GDCCB04501	
	SAMPLE DATE ----->	04/11/95		04/10/95		04/11/95		04/12/95		06/27/95	
	DATE EXTRACTED -->	04/21/95		04/21/95		04/21/95		04/21/95		07/05/95	
	DATE ANALYZED --->	04/27/95		04/27/95		04/27/95		04/27/95		07/08/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0006H	VAL	0010H	VAL	0006H	VAL	0010H	VAL	0021H	VAL
94-75-7	2,4-D	100.	U	110.	U	100.	U	130.	U	110.	U
93-72-1	2,4,5-TP (Silvex)	14.	U	28.	U	26.	U	11.	J	26.	U
93-76-5	2,4,5-T	26.	J	15.	J	26.	U	57.		11.	J
88-85-7	Dinoseb	8.4	U	12.	J	8.3	U	10.	U	26.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

APX9-PEST							
SAMPLE ID ------->	522-C-B003-01		700-C-B003-01				
ORIGINAL ID ----->	522CB00301		700CB00301				
LAB SAMPLE ID --->	25918.01		25888.01				
ID FROM REPORT -->	522CB00301		700CB00301				
SAMPLE DATE ----->	06/06/96		06/05/96				
DATE EXTRACTED -->	06/14/96		06/13/96				
DATE ANALYZED --->	07/05/96		06/28/96				
MATRIX ---------->	Soil		Soil				
UNITS ---------->	UG/KG		UG/KG				
CAS # Parameter	25887	VAL	25887	VAL			
319-84-6 alpha-BHC	1.4	U	1.4	U			
319-85-7 beta-BHC	1.4	U	1.4	UJ			
319-86-8 delta-BHC	3.	J	1.4	U			
58-89-9 gamma-BHC (Lindane)	1.4	U	1.4	U			
76-44-8 Heptachlor	1.4	U	1.4	U			
309-00-2 Aldrin	1.4	U	1.4	U			
1024-57-3 Heptachlor epoxide	1.4	U	1.4	U			
959-98-8 Endosulfan I	1.4	U	1.4	U			
60-57-1 Dieldrin	2.7	U	2.6	U			
72-55-9 4,4'-DDE	2.7	U	19.				
72-20-8 Endrin	2.7	UJ	2.6	U			
33213-65-9 Endosulfan II	2.7	U	2.6	U			
72-54-8 4,4'-DDD	2.7	U	6.4	J			
1031-07-8 Endosulfan sulfate	2.7	U	2.6	U			
50-29-3 4,4'-DDT	2.7	UJ	10.	J			
72-43-5 Methoxychlor	14.	UJ	14.	UJ			
53494-70-5 Endrin ketone	2.7	U	2.6	U			
7421-93-4 Endrin aldehyde	2.7	U	2.6	U			
5103-71-9 alpha-Chlordane	1.4	U	2.1	J			
5103-74-2 gamma-Chlordane	2.9	J	4.	U			
8001-35-2 Toxaphene	91.	U	88.	U			
12674-11-2 Aroclor-1016	36.	U	35.	U			
11104-28-2 Aroclor-1221	36.	U	35.	U			
11141-16-5 Aroclor-1232	36.	U	35.	U			
53469-21-9 Aroclor-1242	36.	U	35.	U			
12672-29-6 Aroclor-1248	36.	U	35.	U			
11097-69-1 Aroclor-1254	74.	U	71.	U			
11096-82-5 Aroclor-1260	74.	U	71.	U			

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

APX9-SVOA							
	SAMPLE ID ------->	522-C-B003-01		700-C-B003-01			
	ORIGINAL ID ----->	522CB00301		700CB00301			
	LAB SAMPLE ID --->	25918.01		25888.01			
	ID FROM REPORT -->	522CB00301		700CB00301			
	SAMPLE DATE ----->	06/06/96		06/05/96			
	DATE EXTRACTED -->	06/14/96		06/13/96			
	DATE ANALYZED --->	06/28/96		06/28/96			
	MATRIX ---------->	Soil		Soil			
	UNITS ----------->	UG/KG		UG/KG			
CAS #	Parameter	25887	VAL	25887	VAL		
110-86-1	Pyridine	360.	U	350.	U		
108-95-2	Phenol	360.	U	350.	U		
111-44-4	bis(2-Chloroethyl)ether	360.	U	350.	U		
95-57-8	2-Chlorophenol	360.	U	350.	U		
541-73-1	1,3-Dichlorobenzene	360.	U	350.	U		
106-46-7	1,4-Dichlorobenzene	360.	U	350.	U		
100-51-6	Benzyl alcohol	360.	U	350.	U		
95-50-1	1,2-Dichlorobenzene	360.	U	350.	U		
95-48-7	2-Methylphenol (o-Cresol)	360.	U	350.	U		
106-44-5	4-Methylphenol (p-Cresol)	360.	U	350.	U		
108-60-1	2,2'-oxybis(1-Chloropropane)	360.	U	350.	U		
621-64-7	N-Nitroso-di-n-propylamine	360.	U	350.	U		
67-72-1	Hexachloroethane	360.	U	350.	U		
98-95-3	Nitrobenzene	360.	U	350.	U		
78-59-1	Isophorone	360.	U	350.	U		
88-75-5	2-Nitrophenol	360.	U	350.	U		
105-67-9	2,4-Dimethylphenol	360.	U	350.	U		
111-91-1	bis(2-Chloroethoxy)methane	360.	U	350.	U		
120-83-2	2,4-Dichlorophenol	360.	U	350.	U		
120-82-1	1,2,4-Trichlorobenzene	360.	U	350.	U		
91-20-3	Naphthalene	360.	U	83.	J		
106-47-8	4-Chloroaniline	360.	U	350.	U		
87-68-3	Hexachlorobutadiene	360.	U	350.	U		
59-50-7	4-Chloro-3-methylphenol	360.	U	350.	U		
91-57-6	2-Methylnaphthalene	360.	U	140.	J		
77-47-4	Hexachlorocyclopentadiene	360.	U	350.	U		
88-06-2	2,4,6-Trichlorophenol	360.	U	350.	U		
95-95-4	2,4,5-Trichlorophenol	1800.	U	1700.	U		
91-58-7	2-Chloronaphthalene	360.	U	350.	U		
88-74-4	2-Nitroaniline	1800.	U	1700.	U		
131-11-3	Dimethyl phthalate	360.	U	350.	U		
208-96-8	Acenaphthylene	360.	U	57.	J		
99-09-2	3-Nitroaniline	1800.	U	1700.	U		
83-32-9	Acenaphthene	360.	U	350.	U		
51-28-5	2,4-Dinitrophenol	1800.	U	1700.	U		
100-02-7	4-Nitrophenol	1800.	U	1700.	U		

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

APX9-SVOA									
	SAMPLE ID ------->	522-C-B003-01		700-C-B003-01					
	ORIGINAL ID ----->	522CB00301		700CB00301					
	LAB SAMPLE ID --->	25918.01		25888.01					
	ID FROM REPORT -->	522CB00301		700CB00301					
	SAMPLE DATE ----->	06/06/96		06/05/96					
	DATE EXTRACTED -->	06/14/96		06/13/96					
	DATE ANALYZED --->	06/28/96		06/28/96					
	MATRIX ---------->	Soil		Soil					
	UNITS ----------->	UG/KG		UG/KG					
CAS #	Parameter	25887	VAL	25887	VAL				
132-64-9	Dibenzofuran	360.	U	350.	U				
121-14-2	2,4-Dinitrotoluene	360.	U	350.	U				
606-20-2	2,6-Dinitrotoluene	360.	UJ	350.	UJ				
84-66-2	Diethylphthalate	360.	U	350.	U				
7005-72-3	4-Chlorophenylphenylether	360.	U	350.	U				
86-73-7	Fluorene	360.	U	350.	U				
100-01-6	4-Nitroaniline	1800.	U	1700.	U				
534-52-1	2-Methyl-4,6-Dinitrophenol	1800.	U	1700.	U				
86-30-6	N-Nitrosodiphenylamine	360.	U	350.	U				
101-55-3	4-Bromophenyl-phenylether	360.	U	350.	U				
118-74-1	Hexachlorobenzene	360.	U	350.	U				
87-86-5	Pentachlorophenol	1800.	U	1700.	U				
85-01-8	Phenanthrene	360.	U	110.	J				
120-12-7	Anthracene	360.	U	64.	J				
84-74-2	Di-n-butylphthalate	360.	U	350.	U				
206-44-0	Fluoranthene	360.	U	170.	J				
129-00-0	Pyrene	360.	U	840.					
85-68-7	Butylbenzylphthalate	360.	U	350.	U				
91-94-1	3,3'-Dichlorobenzidine	720.	U	700.	U				
56-55-3	Benzo(a)anthracene	360.	U	170.	J				
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	360.	U	51.	J				
218-01-9	Chrysene	360.	U	300.	J				
117-84-0	Di-n-octyl phthalate	360.	U	350.	U				
205-99-2	Benzo(b)fluoranthene	54.	J	490.					
207-08-9	Benzo(k)fluoranthene	360.	U	400.					
50-32-8	Benzo(a)pyrene	360.	U	310.	J				
193-39-5	Indeno(1,2,3-cd)pyrene	360.	U	170.	J				
53-70-3	Dibenz(a,h)anthracene	360.	U	97.	J				
191-24-2	Benzo(g,h,i)perylene	360.	U	190.	J				
62-50-0	Ethyl methanesulfonate	360.	UJ	350.	UJ				
106-50-3	p-Phenylenediamine	1800.	UJ	1700.	UJ				
55-18-5	N-Nitrosodiethylamine	360.	UJ	350.	UJ				
10595-95-6	N-Nitrosomethylethylamine	360.	UJ	350.	UJ				
924-16-3	N-Nitroso-di-n-butylamine	360.	UJ	350.	UJ				
100-75-4	N-Nitrosopiperidine	360.	UJ	350.	UJ				
298-00-0	Methyl parathion	720.	UJ	700.	UJ				

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

APX9-SVOA							
SAMPLE ID ------->	522-C-B003-01		700-C-B003-01				
ORIGINAL ID ----->	522CB00301		700CB00301				
LAB SAMPLE ID --->	25918.01		25888.01				
ID FROM REPORT -->	522CB00301		700CB00301				
SAMPLE DATE ----->	06/06/96		06/05/96				
DATE EXTRACTED -->	06/14/96		06/13/96				
DATE ANALYZED --->	06/28/96		06/28/96				
MATRIX ---------->	Soil		Soil				
UNITS ----------->	UG/KG		UG/KG				

CAS #	Parameter	25887	VAL	25887	VAL				
94-59-7	Safrole	360.	UJ	350.	UJ				
120-58-1	Isosafrole	360.	UJ	350.	UJ				
109-06-8	2-Picoline	360.	UJ	350.	UJ				
62-44-2	Phenacetin	360.	UJ	350.	UJ				
95-53-4	o-Toluidine	360.	UJ	350.	UJ				
119-93-7	3,3-Dimethylbenzidine	360.	U	350.	U				
99-65-0	1,3-Dinitrobenzene	360.	UJ	350.	UJ				
91-80-5	Methapyrilene	720.	U	700.	U				
2303-16-4	Diallate	360.	UJ	350.	UJ				
99-35-4	1,3,5-Trinitrobenzene	360.	UJ	350.	UJ				
52-85-7	Famphur	360.	UJ	350.	UJ				
56-57-5	4-Nitroquinoline 1-oxide	1800.	UJ	1700.	UJ				
95-94-3	1,2,4,5-Tetrachlorobenzene	360.	U	350.	U				
82-68-8	Pentachloronitrobenzene	1800.	UJ	1700.	UJ				
298-02-2	Phorate	360.	UJ	350.	UJ				
140-57-8	Aramite	1800.	UR	1700.	UR				
62-75-9	N-Nitrosodimethylamine	360.	U	350.	U				
58-90-2	2,3,4,6-Tetrachlorophenol	360.	U	350.	U				
510-15-6	Chlorobenzilate	360.	U	350.	U				
297-97-2	Thionazin	720.	UJ	700.	UJ				
298-04-4	Disulfoton	360.	UJ	350.	UJ				
465-73-6	Isodrin	720.	UJ	700.	UJ				
59-89-2	N-Nitrosomorpholine	360.	UJ	350.	UJ				
608-93-5	Pentachlorobenzene	360.	U	350.	U				
92-67-1	4-Aminobiphenyl	360.	UJ	350.	UJ				
1888-71-7	Hexachloropropene	360.	U	350.	U				
87-65-0	2,6-Dichlorophenol	360.	U	350.	U				
66-27-3	Methyl methanesulfonate	1800.	UJ	1700.	UJ				
130-15-4	1,4-Naphthoquinone	360.	UJ	350.	UJ				
930-55-2	N-Nitrosopyrrolidine	360.	UJ	350.	UJ				
98-86-2	Acetophenone	360.	UJ	350.	UJ				
60-51-5	Dimethoate	360.	UJ	350.	UJ				
56-49-5	3-Methyl cholanthrene	360.	U	350.	U				
53-96-3	Acetamidofluorene	360.	UJ	350.	UJ				
62-53-3	Aniline	360.	U	350.	U				
96-12-8	1,2-Dibromo-3-Chloropropane	360.	U	350.	U				

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

APX9-SVOA									
	SAMPLE ID ------->	522-C-B003-01		700-C-B003-01					
	ORIGINAL ID ----->	522CB00301		700CB00301					
	LAB SAMPLE ID --->	25918.01		25888.01					
	ID FROM REPORT -->	522CB00301		700CB00301					
	SAMPLE DATE ----->	06/06/96		06/05/96					
	DATE EXTRACTED -->	06/14/96		06/13/96					
	DATE ANALYZED --->	06/28/96		06/28/96					
	MATRIX ---------->	Soil		Soil					
	UNITS ----------->	UG/KG		UG/KG					
CAS #	Parameter	25887	VAL	25887	VAL				
70-30-4	Hexachlorophene	7200.	UR	7000.	UR				
143-50-0	Kepone	360.	UJ	1700.	UJ				
134-32-7	1-Naphthylamine	360.	UJ	350.	UJ				
91-59-8	2-Naphthylamine	360.	UJ	350.	UJ				
23950-58-5	Pronamide	360.	UJ	350.	UJ				
57-97-6	7,12-Dimethylbenz(a)anthracene	360.	UJ	350.	UJ				
126-68-1	O,O,O-Triethylphosphorothioate	360.	UJ	350.	UJ				
3689-24-5	Sulfotep	720.	U	700.	U				
99-55-8	5-Nitro-o-toluidine	360.	U	350.	U				
122-39-4	Diphenylamine	360.	UJ	350.	UJ				
88-85-7	Dinoseb	360.	U	350.	U				
56-38-2	Parathion	720.	UJ	700.	UJ				
60-11-7	p-(Dimethylamino)azobenzene	360.	U	350.	U				
122-09-8	a,a-Dimethylphenethylamine	360.	UJ	350.	UJ				
86-74-8	Carbazole	360.	U	350.	U				
108-39-4	3-Methylphenol (m-Cresol)	360.	UJ	350.	UJ				

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

APX9-VOA								
	SAMPLE ID ------->	522-C-B003-01		700-C-B003-01				
	ORIGINAL ID ----->	522CB00301		700CB00301				
	LAB SAMPLE ID --->	25918.01		25888.01				
	ID FROM REPORT -->	522CB00301		700CB00301				
	SAMPLE DATE ----->	06/06/96		06/05/96				
	DATE ANALYZED --->	06/19/96		06/12/96				
	MATRIX ---------->	Soil		Soil				
	UNITS ----------->	UG/KG		UG/KG				
CAS #	Parameter	25887	VAL	25887	VAL			
74-87-3	Chloromethane	11.	U	11.	UJ			
74-83-9	Bromomethane	11.	U	11.	UJ			
75-01-4	Vinyl chloride	11.	U	11.	UJ			
75-00-3	Chloroethane	11.	U	11.	UJ			
75-09-2	Methylene chloride	20.	U	9.	U			
67-64-1	Acetone	100.	U	11.	UJ			
75-15-0	Carbon disulfide	5.	U	5.	UJ			
75-35-4	1,1-Dichloroethene	5.	U	5.	UJ			
75-34-3	1,1-Dichloroethane	5.	U	5.	UJ			
540-59-0	1,2-Dichloroethene (total)	5.	U	5.	UJ			
67-66-3	Chloroform	5.	U	5.	UJ			
107-06-2	1,2-Dichloroethane	5.	U	5.	UJ			
78-93-3	2-Butanone (MEK)	11.	U	11.	UJ			
71-55-6	1,1,1-Trichloroethane	5.	U	5.	UJ			
56-23-5	Carbon tetrachloride	1.	J	5.	UJ			
108-05-4	Vinyl acetate	11.	U	11.	UJ			
75-27-4	Bromodichloromethane	5.	U	5.	UJ			
78-87-5	1,2-Dichloropropane	5.	U	5.	UJ			
10061-01-5	cis-1,3-Dichloropropene	5.	U	5.	UJ			
79-01-6	Trichloroethene	4.	J	5.	UJ			
124-48-1	Dibromochloromethane	5.	U	5.	UJ			
79-00-5	1,1,2-Trichloroethane	5.	U	5.	UJ			
71-43-2	Benzene	5.	U	5.	UJ			
10061-02-6	trans-1,3-Dichloropropene	5.	U	5.	UJ			
75-25-2	Bromoform	5.	U	5.	UJ			
108-10-1	4-Methyl-2-Pentanone (MIBK)	11.	U	11.	UJ			
591-78-6	2-Hexanone	11.	U	11.	UJ			
127-18-4	Tetrachloroethene	5.	U	5.	UJ			
108-88-3	Toluene	5.	U	5.	UJ			
79-34-5	1,1,2,2-Tetrachloroethane	5.	U	5.	UJ			
108-90-7	Chlorobenzene	5.	U	5.	UJ			
100-41-4	Ethylbenzene	5.	U	5.	UJ			
100-42-5	Styrene	5.	U	5.	UJ			
1330-20-7	Xylene (Total)	5.	U	5.	UJ			
110-75-8	2-Chloroethyl vinyl ether	11.	U	11.	UJ			
107-02-8	Acrolein	55.	UR	53.	UR			
74-88-4	Methyl iodide	5.	U	5.	U			

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

APX9-VOA							
SAMPLE ID ------->	522-C-B003-01		700-C-B003-01				
ORIGINAL ID ----->	522CB00301		700CB00301				
LAB SAMPLE ID --->	25918.01		25888.01				
ID FROM REPORT -->	522CB00301		700CB00301				
SAMPLE DATE ----->	06/06/96		06/05/96				
DATE ANALYZED --->	06/19/96		06/12/96				
MATRIX ---------->	Soil		Soil				
UNITS ----------->	UG/KG		UG/KG				

CAS #	Parameter	25887	VAL	25887	VAL				
107-05-1	3-Chloropropene	5.	U	5.	UJ				
126-99-8	Chloroprene	5.	U	5.	UJ				
110-57-6	trans-1,4-Dichloro-2-butene	5.	U	5.	UJ				
76-01-7	Pentachloroethane	5.	U	5.	UJ				
75-05-8	Acetonitrile	220.	U	210.	UR				
107-13-1	Acrylonitrile	55.	U	53.	UJ				
107-12-0	Propionitrile	110.	U	110.	UJ				
126-98-7	Methacrylonitrile	110.	U	110.	UJ				
78-83-1	Isobutyl alcohol	220.	UR	210.	UR				
123-91-1	1,4-Dioxane	550.	UR	530.	UR				
80-62-6	Methyl methacrylate	5.	U	5.	UJ				
97-63-2	Ethyl methacrylate	5.	U	5.	UJ				
106-93-4	1, 2-Dibromoethane	5.	U	5.	UJ				
630-20-6	1,1,1,2-Tetrachloroethane	5.	U	5.	UJ				
96-18-4	1,2,3-Trichloropropane	5.	U	5.	UJ				
75-71-8	Dichlorodifluoromethane	5.	U	5.	UJ				
75-69-4	Trichlorofluoromethane	5.	U	5.	UJ				
74-95-3	Methylene bromide	11.	U	11.	UJ				
96-12-8	1,2-Dibromo-3-Chloropropane	11.	U	11.	UJ				

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

CATION											
	SAMPLE ID ------->	044-S-B006-01		047-S-B005-01		047-S-B005-02		508-S-B003-01		510-S-B005-01		510-S-B005-02	
	ORIGINAL ID ----->	044SB00601		047SB00501		047SB00502		508SB00301		510SB00501		510SB00502	
	LAB SAMPLE ID --->	755128		755063		755069		754891		753663		753664	
	ID FROM REPORT -->	044SB00601		047SB00501		047SB00502		508SB00301		510SB00501		510SB00502	
	SAMPLE DATE ----->	09/13/95		09/13/95		09/13/95		09/12/95		09/07/95		09/07/95	
	DATE ANALYZED --->	09/21/95		09/21/95		09/21/95		09/21/95		09/18/95		09/18/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	UEQ/G		UEQ/G		UEQ/G		UEQ/G		UEQ/G		UEQ/G	
CAS #	Parameter	95-06	VAL	95-06	VAL	95-06	VAL	95-05	VAL	95-04	VAL	95-04	VAL
9999900-04-3	Cation Exchange Capacity	52.		5.7		7.		13.		4.5		3.6	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
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CATION	SAMPLE ID ------->	511-S-B006-01	511-S-B006-02	515-S-B003-01	515-S-B003-02	518-S-B001-01	518-S-B001-02
	ORIGINAL ID ----->	511SB00601	511SB00602	515SB00301	515SB00302	518SB00101	518SB00102
	LAB SAMPLE ID --->	754831	754867	756856	756857	756861	756860
	ID FROM REPORT -->	511SB00601	511SB00602	515SB00301	515SB00302	518SB00101	518SB00102
	SAMPLE DATE ----->	09/12/95	09/12/95	09/18/95	09/18/95	09/18/95	09/18/95
	DATE ANALYZED --->	09/21/95	09/21/95	09/27/95	09/27/95	09/27/95	09/27/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UEQ/G	UEQ/G	UEQ/G	UEQ/G	UEQ/G	UEQ/G

CAS #	Parameter	95-05	VAL	95-05	VAL	95-07	VAL	95-07	VAL	95-07	VAL	95-07	VAL
9999900-04-3	Cation Exchange Capacity	8.7		3.7		15.		4.4		8.6		6.1	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

CATION							
	SAMPLE ID ------->	520-S-B005-01	520-S-B005-02	GDC-S-B001-01	GDC-S-B001-02		
	ORIGINAL ID ----->	520SB00501	520SB00502	GDCSB00101	GDCSB00102		
	LAB SAMPLE ID --->	756858	756859	753665	753666		
	ID FROM REPORT -->	520SB00501	520SB00502	GDCSB00101	GDCSB00102		
	SAMPLE DATE ----->	09/18/95	09/18/95	09/07/95	09/07/95		
	DATE ANALYZED --->	09/27/95	09/27/95	09/18/95	09/18/95		
	MATRIX ---------->	Soil	Soil	Soil	Soil		
	UNITS ----------->	UEQ/G	UEQ/G	UEQ/G	UEQ/G		
CAS #	Parameter	95-07 VAL	95-07 VAL	95-04 VAL	95-04 VAL		
9999900-04-3	Cation Exchange Capacity	6.	4.6	11.	7.6		

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

CHLORIDE													
	SAMPLE ID ------->	044-S-B006-01		044-H-W004-01		044-G-W006-01		047-S-B005-01		047-S-B005-02		508-S-B003-01	
	ORIGINAL ID ----->	044SB00601		044HW00401		044GW00601		047SB00501		047SB00502		508SB00301	
	LAB SAMPLE ID --->	755128		731400		709189		755063		755069		754891	
	ID FROM REPORT -->	044SB00601		044HW00401		044GW00601		047SB00501		047SB00502		508BB00301	
	SAMPLE DATE ----->	09/13/95		06/13/95		05/01/95		09/13/95		09/13/95		09/12/95	
	DATE ANALYZED --->	09/22/95		07/01/95		05/02/95		09/22/95		09/22/95		09/22/95	
	MATRIX ---------->	Soil		Water		Water		Soil		Soil		Soil	
	UNITS ---------->	MG/KG		MG/L		MG/L		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	95-06	VAL	30215.18J	VAL	30215.16J	VAL	95-06	VAL	95-06	VAL	95-05	VAL
16887-00-6	Chloride	3600.		100.	U	3530.		36.		18.		22.	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
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CHLORIDE												
	SAMPLE ID ------>	510-S-B005-01		510-S-B005-02		511-S-B006-01		511-S-B006-02		515-S-B003-01		515-S-B003-02
	ORIGINAL ID ----->	510SB00501		510SB00502		511SB00601		511SB00602		515SB00301		515SB00302
	LAB SAMPLE ID --->	753663		753664		754831		754867		756856		756857
	ID FROM REPORT -->	510SB00501		510SB00502		511SB00601		511SB00602		515SB00301		515SB00302
	SAMPLE DATE ----->	09/07/95		09/07/95		09/12/95		09/12/95		09/18/95		09/18/95
	DATE ANALYZED --->	09/22/95		09/22/95		09/22/95		09/22/95		09/22/95		09/22/95
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG
CAS #	Parameter	95-04	VAL	95-04	VAL	95-05	VAL	95-05	VAL	95-07	VAL	95-07	VAL
16887-00-6	Chloride	10.		10.		20.		12.		10.		10.	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

CHLORIDE	SAMPLE ID ------->	518-S-B001-01	518-S-B001-02	520-S-B005-01	520-S-B005-02	GDC-S-B001-01	GDC-S-B001-02
	ORIGINAL ID ----->	518SB00101	518SB00102	520SB00501	520SB00502	GDCSB00101	GDCSB00102
	LAB SAMPLE ID --->	756861	756860	756858	756859	753665	753666
	ID FROM REPORT -->	518SB00101	518SB00102	520SB00501	520SB00502	GDCSB00101	GDCSB00102
	SAMPLE DATE ----->	09/18/95	09/18/95	09/18/95	09/18/95	09/07/95	09/07/95
	DATE ANALYZED --->	09/22/95	09/22/95	09/22/95	09/22/95	09/22/95	09/22/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG

CAS #	Parameter	95-07	VAL	95-07	VAL	95-07	VAL	95-07	VAL	95-04	VAL	95-04	VAL
16887-00-6	Chloride	10.		10.		12.		10.		10.		37.	

*** Validation Complete ***

CHARLESTON - ZONE C
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CHLORIDE

	SAMPLE ID ------->	GDC-G-W001-01		GDC-G-W002-01		GDC-G-W01D-01		GDC-G-W02D-01	
	ORIGINAL ID ----->	GDCGW00101		GRDGW00201		GDCGW01D01		GDCGW02D01	
	LAB SAMPLE ID --->	730846		709214		730867		731356	
	ID FROM REPORT -->	GDCGW00101		GRDGW00201		GDCGW01D01		GDCGW02D01	
	SAMPLE DATE ----->	06/12/95		04/30/95		06/12/95		06/13/95	
	DATE ANALYZED --->	06/25/95		05/01/95		06/25/95		06/25/95	
	MATRIX ---------->	Water		Water		Water		Water	
	UNITS ----------->	MG/L		MG/L		MG/L		MG/L	
CAS #	Parameter	30215.17J	VAL	30215.16J	VAL	30215.17J	VAL	30215.17J	VAL
16887-00-6	Chloride	4.19		11.2		9.68		380.	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
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CYANIDE													
	SAMPLE ID ------>	044-W-0014-01		044-W-0016-01		044-W-0018-01		044-W-0019-01		044-R-0019-01		044-W-0020-01	
	ORIGINAL ID ----->	044W001401		044W001601		044W001801		044W001901		044R001901		044W002001	
	LAB SAMPLE ID --->	704845		704850		701895		701916		701935		701960	
	ID FROM REPORT -->	044W001401		044W001601		044W001801		044W001901		044R001901		044W002001	
	SAMPLE DATE ----->	04/11/95		04/19/95		04/11/95		04/11/95		04/11/95		04/11/95	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	50007C	VAL	50007C	VAL	50007C	VAL	50007C	VAL	50007C	VAL	50007C	VAL
57-12-5	Cyanide (CN)	10.	UR	10.	UR	10.	UR	10.	UR	10.	UR	10.	UR

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
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CYANIDE	SAMPLE ID ------->	044-W-0021-01	044-W-0022-01	044-S-B001-01	044-S-B002-01	044-S-B003-01	044-S-B004-01
	ORIGINAL ID ----->	044W002101	044W002201	044SB00101	044SB00201	044SB00301	044SB00401
	LAB SAMPLE ID --->	701967	704859	689909	689915	690124	690130
	ID FROM REPORT -->	044W002101	044W002201	MAC001	MAC002	MAC003	MAC004
	SAMPLE DATE ----->	04/11/95	04/19/95	03/13/95	03/13/95	03/14/95	03/14/95
	MATRIX ---------->	Water	Water	Soil	Soil	Soil	Soil
	UNITS ----------->	UG/L	UG/L	MG/KG	MG/KG	MG/KG	MG/KG

CAS #	Parameter	50007C	VAL	50007C	VAL	50075C	VAL	50075C	VAL	50075C	VAL	50075C	VAL
57-12-5	Cyanide (CN)	10.	UR	10.	UR	0.56	U	0.55	U	0.57	U	0.62	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
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CYANIDE													
	SAMPLE ID ------->	044-S-B004-02		044-S-B005-01		044-S-B006-01		044-S-B007-01		044-C-B007-01		044-S-B008-01	
	ORIGINAL ID ----->	044SB00402		044SB00501		044SB00601		044SB00701		044CB00701		044SB00801	
	LAB SAMPLE ID --->	690132		690134		690136		690138		690187		690140	
	ID FROM REPORT -->	MAC005		MAC006		MAC007		MAC008		MAC001		MAC009	
	SAMPLE DATE ----->	03/14/95		03/14/95		03/14/95		03/14/95		03/14/95		03/14/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	50075C	VAL	50075C	VAL	50075C	VAL	50075C	VAL	0001C	VAL	50075C	VAL
57-12-5	Cyanide (CN)	0.9	U	0.64	U	1.3	U	0.56	U	4.3		0.6	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
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CYANIDE													
	SAMPLE ID ------->	044-G-W001-01		044-G-W002-01		044-G-W003-01		044-G-W004-01		044-H-W004-01		044-G-W005-01	
	ORIGINAL ID ----->	044GW00101		044GW00201		044GW00301		044GW00401		044HW00401		044GW00501	
	LAB SAMPLE ID --->	731419		731425		731426		731414		731381		731427	
	ID FROM REPORT -->	044GW00101		044GW00201		044GW00301		044GW00401		044HW00401		044GW00501	
	SAMPLE DATE ----->	06/13/95		06/13/95		06/13/95		06/13/95		06/13/95		06/13/95	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	50018C	VAL	50018C	VAL	50018C	VAL	50018C	VAL	50018C	VAL	50018C	VAL
57-12-5	Cyanide (CN)	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
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CYANIDE	SAMPLE ID ------->	044-G-W006-01	044-G-W007-01	044-G-W008-01	047-S-B001-01	047-S-B001-02	047-S-B002-01
	ORIGINAL ID ----->	044GW00601	044GW00701	044GW00801	047SB00101	047SB00102	047SB00201
	LAB SAMPLE ID --->	709178	731946	731955	697963	697979	697985
	ID FROM REPORT -->	044GW00601	044GW00701	044GW00801	047SB00101	047SB00102	047SB00201
	SAMPLE DATE ----->	04/25/95	06/14/95	06/14/95	04/03/95	04/03/95	04/03/95
	MATRIX ---------->	Water	Water	Water	Soil	Soil	Soil
	UNITS ---------->	UG/L	UG/L	UG/L	MG/KG	MG/KG	MG/KG

CAS #	Parameter	50016C	VAL	50018C	VAL	50018C	VAL	50004C	VAL	50004C	VAL	50004C	VAL
57-12-5	Cyanide (CN)	10.	U	10.	U	10.	U	0.59	U	0.65	U	0.56	U

*** Validation Complete ***

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CYANIDE	SAMPLE ID ------->>	047-S-B003-01	047-S-B003-02	047-S-B004-01	047-C-B004-01	047-S-B004-02	047-S-B005-01
	ORIGINAL ID ----->>	047SB00301	047SB00302	047SB00401	047CB00401	047SB00402	047SB00501
	LAB SAMPLE ID --->>	703341	703342	703330	703346	703331	697012
	ID FROM REPORT -->>	047SB00301	047SB00302	047SB00401	047CB00401	047SB00402	MAC001
	SAMPLE DATE ----->>	04/13/95	04/13/95	04/13/95	04/13/95	04/13/95	03/31/95
	MATRIX ---------->>	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->>	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG

CAS #	Parameter	50010C	VAL	50010C	VAL	50010C	VAL	50010C	VAL	50010C	VAL	50003C	VAL
57-12-5	Cyanide (CN)	0.64	UJ	0.65	UJ	0.58	UJ	0.56	UJ	0.6	UJ	0.54	U

*** Validation Complete ***

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CYANIDE	SAMPLE ID ------->	047-S-B005-02	047-S-B006-01	047-S-B007-01	047-S-B007-02	047-S-B008-01	047-S-B008-02
	ORIGINAL ID ----->	047SB00502	047SB00601	047SB00701	047SB00702	047SB00801	047SB00802
	LAB SAMPLE ID --->	697018	697024	703494	703500	703343	703347
	ID FROM REPORT -->	MAC002	MAC003	047SB00701	047SB00702	047SB00801	047SB00802
	SAMPLE DATE ----->	03/31/95	03/31/95	04/14/95	04/14/95	04/13/95	04/13/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG

CAS #	Parameter	50003C	VAL	50003C	VAL	50012C	VAL	50012C	VAL	50010C	VAL	50010C	VAL
57-12-5	Cyanide (CN)	0.62	U	0.53	U	0.57	U	0.69	U	0.56	UJ	0.81	UJ

*** Validation Complete ***

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CYANIDE												
	SAMPLE ID ------->| 047-S-B009-01		047-C-B009-01		047-S-B009-02		047-S-B010-01		047-S-B011-01		047-S-B011-02	
	ORIGINAL ID ----->| 047SB00901		047CB00901		047SB00902		047SB01001		047SB01101		047SB01102	
	LAB SAMPLE ID --->| 703453		703531		703475		703488		703332		703333	
	ID FROM REPORT -->| 047SB00901		047CB00901		047SB00902		047SB01001		047SB01101		047SB01102	
	SAMPLE DATE ----->| 04/14/95		04/14/95		04/14/95		04/14/95		04/13/95		04/13/95	
	MATRIX ---------->| Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->| MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	50012C	VAL	50012C	VAL	50012C	VAL	50012C	VAL	50010C	VAL	50010C	VAL
57-12-5	Cyanide (CN)	0.57	U	0.55	U	0.74	U	0.63	U	0.54	UJ	0.6	UJ

*** Validation Complete ***

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CYANIDE												
	SAMPLE ID ------>	047-S-B012-01		047-S-B012-02		047-S-B013-01		047-S-B013-02		047-S-B015-01		047-S-B015-02	
	ORIGINAL ID ----->	047SB01201		047SB01202		047SB01301		047SB01302		047SB01501		047SB01502	
	LAB SAMPLE ID --->	703334		703340		703344		703345		703328		703329	
	ID FROM REPORT -->	047SB01201		047SB01202		047SB01301		047SB01302		047SB01501		047SB01502	
	SAMPLE DATE ----->	04/13/95		04/13/95		04/13/95		04/13/95		04/13/95		04/13/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	50010C	VAL	50010C	VAL	50010C	VAL	50010C	VAL	50010C	VAL	50010C	VAL
57-12-5	Cyanide (CN)	0.53	UJ	0.55	UJ	0.54	UJ	0.59	UJ	0.53	UJ	0.65	UJ

*** Validation Complete ***

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CYANIDE											
	SAMPLE ID ------->	047-G-W001-01		047-G-W002-01		047-G-W003-01		047-G-W004-01		047-G-W005-01		047-H-W005-01	
	ORIGINAL ID ----->	047GW00101		047GW00201		047GW00301		047GW00401		047GW00501		047HW00501	
	LAB SAMPLE ID --->	731751		731773		731737		733201		731841		731869	
	ID FROM REPORT -->	047GW00101		047GW00201		047GW00301		047GW00401		047GW00501		047HW00501	
	SAMPLE DATE ----->	06/14/95		06/14/95		06/14/95		06/15/95		06/14/95		06/14/95	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ----------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	0017C3	VAL	0017C3	VAL	0017C3	VAL	50018C	VAL	0017C3	VAL	50018C	VAL
57-12-5	Cyanide (CN)	10.	UR	10.	UR	10.	UR	10.	U	10.	UR	10.	U

*** Validation Complete ***

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CYANIDE													
	SAMPLE ID ------->	047-G-W006-01		047-G-W007-01		047-G-W008-01		047-G-W009-01		047-G-W010-01		047-G-W011-01	
	ORIGINAL ID ----->	047GW00601		047GW00701		047GW00801		047GW00901		047GW01001		047GW01101	
	LAB SAMPLE ID --->	732743		731697		732683		732692		731683		732718	
	ID FROM REPORT -->	047GW00601		047GW00701		047GW00801		047GW00901		047GW01001		047GW01101	
	SAMPLE DATE ----->	06/15/95		06/14/95		06/14/95		06/15/95		06/14/95		06/15/95	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ----------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	50018C	VAL	0017C3	VAL	0017C3	VAL	0017C3	VAL	0017C3	VAL	50018C	VAL
57-12-5	Cyanide (CN)	10.	U	10.	UR	10.	UR	10.	UR	10.	UR	10.	U

*** Validation Complete ***

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CYANIDE	SAMPLE ID ------->	047-G-W012-01	047-G-W013-01	047-G-W015-01	508-S-B001-01	508-S-B002-01	508-S-B003-01
	ORIGINAL ID ----->	047GW01201	047GW01301	047GW01501	508SB00101	508SB00201	508SB00301
	LAB SAMPLE ID --->	732672	731744	732659	692021	692034	692027
	ID FROM REPORT -->	047GW01201	047GW01301	047GW01501	508SB00101	508SB00201	508SB00301
	SAMPLE DATE ----->	06/15/95	06/14/95	06/15/95	03/21/95	03/21/95	03/21/95
	MATRIX ---------->	Water	Water	Water	Soil	Soil	Soil
	UNITS ----------->	UG/L	UG/L	UG/L	MG/KG	MG/KG	MG/KG

CAS #	Parameter	0017C3	VAL	0017C3	VAL	0017C3	VAL	0002C	VAL	0002C	VAL	0002C	VAL
57-12-5	Cyanide (CN)	10.	UR	10.	UR	10.	UR	0.55	U	0.55	U	0.58	U

*** Validation Complete ***

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CYANIDE													
	SAMPLE ID ------>	508-S-B004-01		508-S-B004-02		508-S-B005-01		508-S-B006-01		508-C-B006-01		510-S-B001-01	
	ORIGINAL ID ----->	508SB00401		508SB00402		508SB00501		508SB00601		508CB00601		510SB00101	
	LAB SAMPLE ID --->	692064		692050		692014		692040		692245		690160	
	ID FROM REPORT -->	508SB00401		508SB00402		508SB00501		508SB00601		MAC004		MAC003	
	SAMPLE DATE ----->	03/21/95		03/21/95		03/21/95		03/21/95		03/21/95		03/14/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	0002C	VAL	0002C	VAL	0002C	VAL	0002C	VAL	50003C	VAL	0001C	VAL
57-12-5	Cyanide (CN)	0.54	U	0.53	U	0.53	U	0.61	U	0.62	U	0.54	U

*** Validation Complete ***

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CYANIDE	SAMPLE ID ------->	510-S-B001-02	510-S-B002-01	510-S-B002-02	510-S-B003-01	510-S-B003-02	510-S-B004-01
	ORIGINAL ID ----->	510SB00102	510SB00201	510SB00202	510SB00301	510SB00302	510SB00401
	LAB SAMPLE ID --->	690165	690194	690155	704429	704451	704407
	ID FROM REPORT -->	MAC004	MAC005	MAC006	510SB00301	510SB00302	510SB00401
	SAMPLE DATE ----->	03/14/95	03/14/95	03/14/95	04/18/95	04/18/95	04/18/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG

CAS #	Parameter	0001C	VAL	0001C	VAL	0001C	VAL	50015C	VAL	50015C	VAL	50015C	VAL
57-12-5	Cyanide (CN)	0.53	U	0.54	U	0.53	U	0.54	UJ	0.52	UJ	0.54	UJ

*** Validation Complete ***

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CYANIDE													
	SAMPLE ID ------->	510-S-B004-02		510-S-B005-01		510-S-B005-02		510-C-B005-02		510-G-W001-01		510-G-W002-01	
	ORIGINAL ID ----->	510SB00402		510SB00501		510SB00502		510CB00502		510GW00101		510GW00201	
	LAB SAMPLE ID --->	704418		690144		690150		690178		730845		730843	
	ID FROM REPORT -->	510SB00402		MAC007		MAC008		MAC002		510GW00101		510GW00201	
	SAMPLE DATE ----->	04/18/95		03/14/95		03/14/95		03/14/95		06/12/95		06/12/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Water		Water	
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		UG/L		UG/L	
CAS #	Parameter	50015C	VAL	0001C	VAL	0001C	VAL	0001C	VAL	0017C3	VAL	0017C3	VAL
57-12-5	Cyanide (CN)	0.53	UJ	0.54	U	0.53	U	0.53	U	10.	UR	10.	UR

*** Validation Complete ***

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CYANIDE	SAMPLE ID ------->	511-S-B001-01	511-S-B001-02	511-S-B002-01	511-S-B002-02	511-S-B003-01	511-S-B003-02
	ORIGINAL ID ----->	511SB00101	511SB00102	511SB00201	511SB00202	511SB00301	511SB00302
	LAB SAMPLE ID --->	692143	692164	692200	692154	692217	692180
	ID FROM REPORT -->	511SB00101	511SB00102	511SB00201	511SB00202	MAC005	511SB00302
	SAMPLE DATE ----->	03/21/95	03/21/95	03/21/95	03/21/95	03/21/95	03/21/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG

CAS #	Parameter	0002C	VAL	0002C	VAL	0002C	VAL	0002C	VAL	50003C	VAL	0002C	VAL
57-12-5	Cyanide (CN)	0.54	U	0.54	U	0.53	U	0.53	U	0.54	U	0.54	U

*** Validation Complete ***

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CYANIDE												
	SAMPLE ID ------->| 511-S-B004-01		511-S-B005-01		511-S-B005-02		511-C-B005-02		511-S-B006-01		511-S-B006-02	
	ORIGINAL ID ----->| 511SB00401		511SB00501		511SB00502		511CB00502		511SB00601		511SB00602	
	LAB SAMPLE ID --->| 692103		692252		692190		692111		692008		692237	
	ID FROM REPORT -->| 511SB00401		MAC006		511SB00502		511CB00502		511SB00601		MAC007	
	SAMPLE DATE ----->| 03/21/95		03/21/95		03/21/95		03/21/95		03/21/95		03/21/95	
	MATRIX ---------->| Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->| MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	0002C	VAL	50003C	VAL	0002C	VAL	0002C	VAL	0002C	VAL	50003C	VAL
57-12-5	Cyanide (CN)	0.55	U	0.53	U	0.53	U	0.53	U	0.53	U	0.53	U

*** Validation Complete ***

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CYANIDE													
	SAMPLE ID ------->	512-S-B001-01		512-S-B002-01		512-S-B002-02		512-S-B003-01		512-C-B003-01		512-S-B004-01	
	ORIGINAL ID ----->	512SB00101		512SB00201		512SB00202		512SB00301		512CB00301		512SB00401	
	LAB SAMPLE ID --->	690514		690530		690531		690505		690534		690510	
	ID FROM REPORT -->	MAC010		MAC011		MAC012		MAC013		MAC009		MAC014	
	SAMPLE DATE ----->	03/15/95		03/15/95		03/15/95		03/15/95		03/15/95		03/15/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	0001C	VAL	0001C	VAL	0001C	VAL	0001C	VAL	0001C	VAL	0001C	VAL
57-12-5	Cyanide (CN)	0.58	U	0.63	U	0.65	U	0.56	U	0.55	U	0.56	U

*** Validation Complete ***

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CYANIDE												
	SAMPLE ID ------->| 512-S-B005-01		512-S-B006-01		513-S-B001-01		513-S-B001-02		513-S-B002-01		513-S-B002-02	
	ORIGINAL ID ----->| 512SB00501		512SB00601		513SB00101		513SB00102		513SB00201		513SB00202	
	LAB SAMPLE ID --->| 690496		690529		702273		702285		702299		702419	
	ID FROM REPORT -->| MAC015		MAC016		513SB00101		513SB00102		513SB00201		513SB00202	
	SAMPLE DATE ----->| 03/15/95		03/15/95		04/12/95		04/12/95		04/12/95		04/12/95	
	MATRIX ---------->| Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->| MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	0001C	VAL	0001C	VAL	0006C	VAL	0006C	VAL	0006C	VAL	50010C	VAL
57-12-5	Cyanide (CN)	0.55	U	0.61	U	0.55	UJ	0.53	UJ	0.56	UJ	0.53	UJ

*** Validation Complete ***

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CYANIDE	SAMPLE ID ------->	513-S-B002-02	513-S-B003-01	513-S-B003-02	513-S-B004-01	513-S-B004-02	513-S-B005-01
	ORIGINAL ID ----->	513SB00202	513SB00301	513SB00302	513SB00401	513SB00402	513SB00501
	LAB SAMPLE ID --->	702309	702321	702332	702337	702346	702355
	ID FROM REPORT -->	513SB00202	513SB00301	513SB00302	513SB00401	513SB00402	513SB00501
	SAMPLE DATE ----->	04/12/95	04/12/95	04/12/95	04/12/95	04/12/95	04/12/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ----------->	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG

CAS #	Parameter	0006C	VAL	0006C	VAL	0006C	VAL	0006C	VAL	0006C	VAL	0006C	VAL
57-12-5	Cyanide (CN)	0.58	UJ	0.54	UJ	0.53	UJ	0.54	UJ	0.53	UJ	0.54	UJ

*** Validation Complete ***

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CYANIDE													
	SAMPLE ID ------->	513-S-B005-02		513-S-B006-01		513-S-B006-02		515-S-B001-01		515-S-B001-02		515-S-B002-01	
	ORIGINAL ID ----->	513SB00502		513SB00601		513SB00602		515SB00101		515SB00102		515SB00201	
	LAB SAMPLE ID --->	702363		702374		702397		704234		704245		704262	
	ID FROM REPORT -->	513SB00502		513SB00601		513SB00602		515SB00101		515SB00102		515SB00201	
	SAMPLE DATE ----->	04/12/95		04/12/95		04/12/95		04/18/95		04/18/95		04/18/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	0006C	VAL	0006C	VAL	50010C	VAL	50012C	VAL	50012C	VAL	50015C	VAL
57-12-5	Cyanide (CN)	0.53	UJ	0.55	UJ	0.53	UJ	0.53	U	0.53	U	0.54	UJ

*** Validation Complete ***

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CYANIDE	SAMPLE ID ------->	515-S-B002-02	515-S-B003-01	515-S-B003-02	515-S-B004-01	515-S-B004-02	515-S-B005-01
	ORIGINAL ID ----->	515SB00202	515SB00301	515SB00302	515SB00401	515SB00402	515SB00501
	LAB SAMPLE ID --->	704285	704294	704323	704352	704374	704382
	ID FROM REPORT -->	515SB00202	515SB00301	515SB00302	515SB00401	515SB00402	515SB00501
	SAMPLE DATE ----->	04/18/95	04/18/95	04/18/95	04/18/95	04/18/95	04/18/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG

CAS #	Parameter	50012C	VAL	50012C	VAL	50012C	VAL	50012C	VAL	50012C	VAL	50012C	VAL
57-12-5	Cyanide (CN)	0.53	U	0.55	U	0.52	U	0.55	U	0.63	U	0.55	U

*** Validation Complete ***

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CYANIDE	SAMPLE ID ------->>	515-S-B005-02	515-S-B006-01	515-S-B006-02	515-C-B006-02	516-S-B001-01	516-S-B001-02
	ORIGINAL ID ----->>	515SB00502	515SB00601	515SB00602	515CB00602	516SB00101	516SB00102
	LAB SAMPLE ID --->>	704388	704200	704206	704221	699051	699064
	ID FROM REPORT -->>	515SB00502	515SB00601	515SB00602	515CB00602	516SB00101	516SB00102
	SAMPLE DATE ----->>	04/18/95	04/18/95	04/18/95	04/18/95	04/05/95	04/05/95
	MATRIX ---------->>	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ----------->>	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG

CAS #	Parameter	50012C	VAL	50012C	VAL	50012C	VAL	50012C	VAL	0005C	VAL	0005C	VAL
57-12-5	Cyanide (CN)	0.53	U	0.55	U	0.53	U	0.53	U	0.56	U	0.57	U

*** Validation Complete ***

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CYANIDE												
	SAMPLE ID ------->| 516-S-B002-01		516-S-B002-02		517-S-B001-01		517-S-B001-02		517-S-B002-01		517-S-B002-02	
	ORIGINAL ID ----->| 516SB00201		516SB00202		517SB00101		517SB00102		517SB00201		517SB00202	
	LAB SAMPLE ID --->| 699070		699076		698367		698372		698349		698354	
	ID FROM REPORT -->| 516SB00201		516SB00202		517SB00101		517SB00102		517SB00201		517SB00202	
	SAMPLE DATE ----->| 04/05/95		04/05/95		04/04/95		04/04/95		04/04/95		04/04/95	
	MATRIX ---------->| Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->| MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	0005C	VAL	0005C	VAL	50004C	VAL	50004C	VAL	50004C	VAL	50004C	VAL
57-12-5	Cyanide (CN)	0.54	U	0.58	U	0.53	U	0.54	U	0.51	U	0.53	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
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CYANIDE	SAMPLE ID ------->	517-C-B002-02	517-S-B003-01	517-S-B003-02	517-S-B004-01	517-S-B004-02	517-S-B005-01
	ORIGINAL ID ----->	517CB00202	517SB00301	517SB00302	517SB00401	517SB00402	517SB00501
	LAB SAMPLE ID --->	698361	698339	698344	698315	698320	698325
	ID FROM REPORT -->	517CB00202	517SB00301	517SB00302	517SB00401	517SB00402	517SB00501
	SAMPLE DATE ----->	04/04/95	04/04/95	04/04/95	04/04/95	04/04/95	04/04/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG

CAS #	Parameter	50004C	VAL	50004C	VAL	50004C	VAL	50004C	VAL	50004C	VAL	50004C	VAL
57-12-5	Cyanide (CN)	0.53	U	0.52	U	0.53	U	0.53	U	0.53	U	0.53	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

CYANIDE							
SAMPLE ID ------>	517-S-B005-02	518-S-B001-01	518-S-B001-02	518-S-B002-01	518-S-B002-02	518-S-B003-01
ORIGINAL ID ----->	517SB00502	518SB00101	518SB00102	518SB00201	518SB00202	518SB00301
LAB SAMPLE ID --->	698334	699023	699028	698970	698979	699009
ID FROM REPORT -->	517SB00502	518SB00101	518SB00102	518SB00201	518SB00202	518SB00301
SAMPLE DATE ----->	04/04/95	04/05/95	04/05/95	04/05/95	04/05/95	04/05/95
MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
UNITS ---------->	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG

CAS #	Parameter	50004C	VAL	0005C	VAL	0005C	VAL	0005C	VAL	0005C	VAL	0005C	VAL
57-12-5	Cyanide (CN)	0.54	U	0.59	U	0.53	U	0.53	U	0.54	U	0.53	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

CYANIDE													
	SAMPLE ID ------->	518-S-B003-02		518-S-B004-01		518-C-B004-01		518-S-B004-02		518-S-B005-01		518-S-B005-02	
	ORIGINAL ID ----->	518SB00302		518SB00401		518CB00401		518SB00402		518SB00501		518SB00502	
	LAB SAMPLE ID --->	699016		698995		699041		699003		698984		698989	
	ID FROM REPORT -->	518SB00302		518SB00401		518CB00401		518SB00402		518SB00501		518SB00502	
	SAMPLE DATE ----->	04/05/95		04/05/95		04/05/95		04/05/95		04/05/95		04/05/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	0005C	VAL	50004C	VAL	0005C	VAL	0005C	VAL	0005C	VAL	0005C	VAL
57-12-5	Cyanide (CN)	0.54	U	0.52	U	0.53	U	0.53	U	0.54	U	0.53	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

CYANIDE	SAMPLE ID ------->	518-C-B006-01	519-S-B001-01	519-C-B001-01	519-S-B001-02	519-S-B002-01	519-S-B002-02
	ORIGINAL ID ----->	518CB00601	519SB00101	519CB00101	519SB00102	519SB00201	519SB00202
	LAB SAMPLE ID --->	736710	706641	706655	706670	706676	706682
	ID FROM REPORT -->	518CB00601	519SB00101	519CB00101	519SB00102	519SB00201	519SB00202
	SAMPLE DATE ----->	06/28/95	04/18/95	04/18/95	04/22/95	04/22/95	04/22/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ----------->	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG

CAS #	Parameter	50021C	VAL	50015C	VAL	50015C	VAL	50015C	VAL	50015C	VAL	50015C	VAL
57-12-5	Cyanide (CN)	0.55	U	0.55	UJ	0.54	UJ	0.53	UJ	0.53	UJ	0.52	UJ

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
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CYANIDE													
	SAMPLE ID ------->	519-S-B003-01		519-S-B003-02		519-S-B004-01		519-S-B004-02		519-S-B005-01		519-S-B005-02	
	ORIGINAL ID ----->	519SB00301		519SB00302		519SB00401		519SB00402		519SB00501		519SB00502	
	LAB SAMPLE ID --->	706688		706698		706704		706711		706717		706724	
	ID FROM REPORT -->	519SB00301		519SB00302		519SB00401		519SB00402		519SB00501		519SB00502	
	SAMPLE DATE ----->	04/22/95		04/22/95		04/22/95		04/22/95		04/22/95		04/22/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	50015C	VAL	50015C	VAL	50015C	VAL	50015C	VAL	50015C	VAL	50015C	VAL
57-12-5	Cyanide (CN)	0.54	UJ	0.52	UJ	0.54	UJ	0.53	UJ	0.53	UJ	0.53	UJ

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
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CYANIDE													
	SAMPLE ID ------->	519-S-B006-01		519-S-B006-02		520-S-B001-01		520-S-B001-02		520-S-B002-01		520-S-B002-02	
	ORIGINAL ID ----->	519SB00601		519SB00602		520SB00101		520SB00102		520SB00201		520SB00202	
	LAB SAMPLE ID --->	706733		706739		700533		700541		700547		700552	
	ID FROM REPORT -->	519SB00601		519SB00602		520SB00101		520SB00102		520SB00201		520SB00202	
	SAMPLE DATE ----->	04/22/95		04/22/95		04/07/95		04/07/95		04/07/95		04/07/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	50015C	VAL	50015C	VAL	0005C	VAL	0005C	VAL	0005C	VAL	0005C	VAL
57-12-5	Cyanide (CN)	0.53	UJ	0.53	UJ	0.52	U	0.51	U	0.53	U	0.52	U

*** Validation Complete ***

CHARLESTON - ZONE C
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CYANIDE	SAMPLE ID ------->	520-S-B003-01	520-S-B003-02	520-C-B003-02	520-S-B004-01	520-S-B004-02	520-S-B005-01
	ORIGINAL ID ----->	520SB00301	520SB00302	520CB00302	520SB00401	520SB00402	520SB00501
	LAB SAMPLE ID --->	700557	700562	701030	700579	700588	700593
	ID FROM REPORT -->	520SB00301	520SB00302	520CB00302	520SB00401	520SB00402	520SB00501
	SAMPLE DATE ----->	04/07/95	04/07/95	04/07/95	04/07/95	04/07/95	04/07/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ----------->	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG

CAS #	Parameter	0005C	VAL	0005C	VAL	0006C	VAL	0006C	VAL	0006C	VAL	0006C	VAL
57-12-5	Cyanide (CN)	0.56	U	0.51	U	0.52	UJ	0.52	UJ	0.51	UJ	0.53	UJ

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
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CYANIDE													
	SAMPLE ID ------>	520-S-B005-02		520-S-B006-01		520-S-B006-02		522-S-B001-01		522-S-B001-02		522-S-B002-01	
	ORIGINAL ID ----->	520SB00502		520SB00601		520SB00602		522SB00101		522SB00102		522SB00201	
	LAB SAMPLE ID --->	700598		700603		700608		25917.11		25917.12		25917.13	
	ID FROM REPORT -->	520SB00502		520SB00601		520SB00602		522SB00101		522SB00102		522SB00201	
	SAMPLE DATE ----->	04/07/95		04/07/95		04/07/95		06/06/96		06/06/96		06/06/96	
	DATE EXTRACTED -->							06/12/96		06/12/96		06/12/96	
	DATE ANALYZED --->							06/15/96		06/15/96		06/15/96	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	0006C	VAL	0006C	VAL	0006C	VAL	25887	VAL	25887	VAL	25887	VAL
57-12-5	Cyanide (CN)	0.52	UJ	0.53	UJ	0.52	UJ	0.11	U	0.12	U	0.18	J

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
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CYANIDE												
	SAMPLE ID ------>	522-S-B002-02		522-S-B003-01		522-C-B003-01		522-S-B003-02		522-S-B004-01		522-S-B004-02	
	ORIGINAL ID ----->	522SB00202		522SB00301		522CB00301		522SB00302		522SB00401		522SB00402	
	LAB SAMPLE ID --->	25917.14		25917.15		25918.01		25917.16		25917.05		25917.06	
	ID FROM REPORT -->	522SB00202		522SB00301		522CB00301		522SB00302		522SB00401		522SB00402	
	SAMPLE DATE ----->	06/06/96		06/06/96		06/06/96		06/06/96		06/06/96		06/06/96	
	DATE EXTRACTED -->	06/12/96		06/12/96		06/11/96		06/12/96		06/12/96		06/12/96	
	DATE ANALYZED --->	06/15/96		06/15/96		06/11/96		06/15/96		06/15/96		06/15/96	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	25887	VAL	25887	VAL	25887	VAL	25887	VAL	25887	VAL	25887	VAL
57-12-5	Cyanide (CN)	0.19	J	0.18	J	0.22	U	0.12	U	0.27	J	0.12	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
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CYANIDE												
	SAMPLE ID ------->	522-S-B005-01		522-S-B005-02		523-S-B001-01		523-S-B001-02		523-S-B002-01		523-S-B002-02	
	ORIGINAL ID ----->	522SB00501		522SB00502		523SB00101		523SB00102		523SB00201		523SB00202	
	LAB SAMPLE ID --->	25917.07		25917.10		697997		698009		698003		697991	
	ID FROM REPORT -->	522SB00501		522SB00502		523SB00101		523SB00102		523SB00201		523SB00202	
	SAMPLE DATE ----->	06/06/96		06/06/96		04/03/95		04/03/95		04/03/95		04/03/95	
	DATE EXTRACTED -->	06/12/96		06/12/96									
	DATE ANALYZED --->	06/15/96		06/15/96									
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	25887	VAL	25887	VAL	50004C	VAL	50004C	VAL	50004C	VAL	50004C	VAL
57-12-5	Cyanide (CN)	0.16	J	0.12	U	0.55	U	0.6	U	0.54	U	0.57	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
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CYANIDE													
	SAMPLE ID ------->	523-C-B002-02		523-G-W001-01		523-H-W001-01		523-G-W002-01		700-S-B001-01		700-S-B001-02	
	ORIGINAL ID ----->	523CB00202		523GW00101		523HW00101		523GW00201		700SB00101		700SB00102	
	LAB SAMPLE ID --->	698015		732768		732776		730844		25887.03		25887.04	
	ID FROM REPORT -->	523CB00202		523GW00101		523HW00101		523GW00201		700SB00101		700SB00102	
	SAMPLE DATE ----->	04/03/95		06/15/95		06/15/95		06/12/95		06/05/96		06/05/96	
	DATE EXTRACTED -->									06/12/96		06/12/96	
	DATE ANALYZED --->									06/15/96		06/15/96	
	MATRIX ---------->	Soil		Water		Water		Water		Soil		Soil	
	UNITS ----------->	MG/KG		UG/L		UG/L		UG/L		MG/KG		MG/KG	
CAS #	Parameter	50004C	VAL	50018C	VAL	50018C	VAL	0017C3	VAL	25887	VAL	25887	VAL
57-12-5	Cyanide (CN)	0.57	U	10.	U	10.	U	10.	UR	0.15	J	0.2	J

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
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CYANIDE												
	SAMPLE ID ------>	700-S-B002-01		700-S-B002-02		700-S-B003-01		700-C-B003-01		700-S-B003-02		700-S-B004-01	
	ORIGINAL ID ----->	700SB00201		700SB00202		700SB00301		700CB00301		700SB00302		700SB00401	
	LAB SAMPLE ID --->	25887.05		25887.06		25887.01		25888.01		25887.02		25917.03	
	ID FROM REPORT -->	700SB00201		700SB00202		700SB00301		700CB00301		700SB00302		700SB00401	
	SAMPLE DATE ----->	06/05/96		06/05/96		06/05/96		06/05/96		06/05/96		06/06/96	
	DATE EXTRACTED -->	06/12/96		06/12/96		06/12/96		06/11/96		06/12/96		06/12/96	
	DATE ANALYZED --->	06/15/96		06/15/96		06/15/96		06/11/96		06/15/96		06/15/96	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	25887	VAL	25887	VAL	25887	VAL	25887	VAL	25887	VAL	25887	VAL
57-12-5	Cyanide (CN)	0.11	U	0.27	J	0.14	J	0.21	U	0.13	U	0.24	J

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

CYANIDE													
	SAMPLE ID ------->	700-S-B004-02		700-S-B005-01		700-S-B005-02		GDC-S-B001-01		GDC-S-B001-02		GDC-S-B002-01	
	ORIGINAL ID ----->	700SB00402		700SB00501		700SB00502		GRDSB00101		GRDSB00102		GRDSB00201	
	LAB SAMPLE ID --->	25917.04		25917.01		25917.02		690532		690533		689926	
	ID FROM REPORT -->	700SB00402		700SB00501		700SB00502		MAC017		MAC018		MAC019	
	SAMPLE DATE ----->	06/06/96		06/06/96		06/06/96		03/15/95		03/15/95		03/13/95	
	DATE EXTRACTED -->	06/12/96		06/20/96		06/12/96							
	DATE ANALYZED --->	06/15/96		06/20/96		06/15/96							
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	25887	VAL	25887	VAL	25887	VAL	0001C	VAL	0001C	VAL	0001C	VAL
57-12-5	Cyanide (CN)	0.39	J	0.22	J	0.16	J	0.56	U	0.53	U	0.55	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

CYANIDE	SAMPLE ID ------->	GDC-S-B003-01	GDC-S-B004-01	GDC-S-B004-02	GDC-S-B005-01	GDC-S-B006-01	GDC-S-B007-01
	ORIGINAL ID ----->	GRDSB00301	GRDSB00401	GRDSB00402	GRDSB00501	GRDSB00601	GRDSB00701
	LAB SAMPLE ID --->	691121	703506	703512	691105	691084	703441
	ID FROM REPORT -->	GRDSB00301	GRDSB00401	GRDSB00402	GRDSB00501	MAC020	GRDSB00701
	SAMPLE DATE ----->	03/17/95	04/14/95	04/14/95	03/17/95	03/13/95	04/14/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG

CAS #	Parameter	0002C	VAL	50012C	VAL	50012C	VAL	0002C	VAL	0001C	VAL	50010C	VAL
57-12-5	Cyanide (CN)	0.57	U	0.57	U	0.94	U	0.59	U	0.59	U	0.55	UJ

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

CYANIDE	SAMPLE ID ------->	GDC-S-B008-01	GDC-S-B008-02	GDC-S-B009-01	GDC-S-B009-02	GDC-C-B013-01	GDC-S-B017-01
	ORIGINAL ID ----->	GRDSB00801	GRDSB00802	GRDSB00901	GRDSB00902	GRDCB01301	GRDSB01701
	LAB SAMPLE ID --->	691127	691133	696974	697007	702015	702600
	ID FROM REPORT -->	GRDSB00801	GRDSB00802	MAC008	MAC009	GRDCB01301	GRDSB01701
	SAMPLE DATE ----->	03/17/95	03/17/95	03/31/95	03/31/95	04/11/95	04/10/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG

CAS #	Parameter	0002C	VAL	0002C	VAL	50003C	VAL	50003C	VAL	0006C	VAL	50010C	VAL
57-12-5	Cyanide (CN)	0.56	U	0.61	U	0.57	U	0.57	U	0.53	UJ	0.56	UJ

*** Validation Complete ***

CHARLESTON - ZONE C
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CYANIDE												
	SAMPLE ID ------->| GDC-C-B023-02		GDC-S-B035-01		GDC-S-B038-01		GDC-S-B038-02		GDC-S-B039-01		GDC-S-B039-02	
	ORIGINAL ID ----->| GRDCB02302		GRDSB03502		GDCSB03801		GDCSB03802		GDCSB03901		GDCSB03902	
	LAB SAMPLE ID --->| 701997		702434		737138		737193		737233		737244	
	ID FROM REPORT -->| GRDCB02302		GRDSB03502		GDCSB03801		GDCSB03802		GDCSB03901		GDCSB03902	
	SAMPLE DATE ----->| 04/11/95		04/12/95		06/29/95		06/29/95		06/29/95		06/29/95	
	MATRIX ---------->| Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->| MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	0006C	VAL	50010C	VAL	50021C	VAL	50021C	VAL	50022C	VAL	50022C	VAL
57-12-5	Cyanide (CN)	0.52	UJ	0.63	UJ	0.55	U	0.53	U	0.55	U	0.55	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

CYANIDE	SAMPLE ID ------->	GDC-S-B040-01	GDC-C-B045-01	GDC-G-W001-01	GDC-G-W002-01	GDC-G-W01D-01	GDC-G-W02D-01
	ORIGINAL ID ----->	GDCSB04001	GDCCB04501	GDCGW00101	GRDGW00201	GDCGW01D01	GDCGW02D01
	LAB SAMPLE ID --->	737249	736421	730834	709208	730842	731354
	ID FROM REPORT -->	GDCSB04001	GDCCB04501	GDCGW00101	GRDGW00201	GDCGW01D01	GDCGW02D01
	SAMPLE DATE ----->	06/29/95	06/27/95	06/12/95	04/25/95	06/12/95	06/13/95
	MATRIX ---------->	Soil	Soil	Water	Water	Water	Water
	UNITS ---------->	MG/KG	MG/KG	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	50022C	VAL	50021C	VAL	0017C3	VAL	50016C	VAL	0017C3	VAL	0017C3	VAL
57-12-5	Cyanide (CN)	0.56	U	0.53	U	10.	UR	10.	U	10.	UR	10.	UR

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
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HAZ WASTE							
	SAMPLE ID ------->	044-K-B001-01					
	ORIGINAL ID ----->	044KB00101					
	LAB SAMPLE ID --->	698394					
	ID FROM REPORT -->	044KB00101					
	SAMPLE DATE ----->						
	DATE ANALYZED --->	04/10/95					
	MATRIX ---------->	Soil					
	UNITS ----------->						
CAS #	Parameter	30215.1WT	VAL				
9999900-30-2	Reactive Sulfide (mg/kg)	500.	U				
9999900-30-3	Reactive Cyanide (mg/kg)	250.	U				
9999900-30-4	Corrosivity (mm/yr)	6.35	U				
9999900-30-5	Ignitability (øF)	140.	>				

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

HEXACHROME												
	SAMPLE ID ------>	044-C-B007-01		044-H-W004-01		047-C-B004-01		047-C-B009-01		047-H-W005-01		508-C-B006-01	
	ORIGINAL ID ----->	044CB00701		044HW00401		047CB00401		047CB00901		047HW00501		508CB00601	
	LAB SAMPLE ID --->	690188		731394		703371		70353		731882		692246	
	ID FROM REPORT -->	044CB00701		044HW00401		047CB00401		047CB00901		047HW00501		508CB00601	
	SAMPLE DATE ----->	03/14/95		06/13/95		04/13/95		04/14/95		06/14/95		03/21/95	
	DATE EXTRACTED -->	03/22/95											
	DATE ANALYZED --->	03/23/95		06/16/95				04/21/95		06/16/95			
	MATRIX ---------->	Soil		Water		Soil		Soil		Water		Soil	
	UNITS ---------->	MG/KG		MG/L		MG/KG		MG/KG		MG/L		MG/KG	
CAS #	Parameter	30215.1T	VAL	30215.18T	VAL	30215.10T	VAL	30215.12T	VAL	30215.18T	VAL	30215.1T	VAL
18540-29-9	Chromium (Hexavalent)	0.01	UJ	0.01	U	0.01	UJ	0.259		0.01	UJ	0.01	UJ

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

HEXACHROME													
	SAMPLE ID ------>	510-C-B005-02		511-C-B005-02		512-C-B003-01		513-C-B002-02		515-C-B006-02		517-C-B002-02	
	ORIGINAL ID ----->	510CB00502		511CB00502		512CB00301		513CB00202		515CB00602		517CB00202	
	LAB SAMPLE ID --->	690179		692112		690553		702420		70422		698362	
	ID FROM REPORT -->	510CB00502		511CB00502		512CB00301		513CB00202		515CB00602		517CB00202	
	SAMPLE DATE ----->	03/14/95		03/21/95		03/15/95		04/12/95		04/18/95		04/11/95	
	DATE EXTRACTED -->	03/22/95				03/22/95							
	DATE ANALYZED --->	03/23/95				03/23/95				04/27/95		04/12/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	30215.1T	VAL	30215.1T	VAL	30215.1T	VAL	30215.10T	VAL	30215.12T	VAL	30215.4T	VAL
18540-29-9	Chromium (Hexavalent)	0.01	UJ	0.01	UJ	0.01	UJ	0.01	UJ	0.01	UJ	0.01	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
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HEXACHROME							
SAMPLE ID ------->	518-C-B004-01	518-C-B006-01	519-C-B001-01	520-C-B003-02	522-C-B003-01	523-C-B002-02
ORIGINAL ID ----->	518CB00401	518CB00601	519CB00101	520CB00302	522CB00301	523CB00202
LAB SAMPLE ID --->	699042	736717	70665	701031	25918.01	698025
ID FROM REPORT -->	518CB00401	518CB00601	519CB00101	520CB00302	522CB00301	523CB00202
SAMPLE DATE ----->	04/05/95	04/01/95	04/22/95	04/07/95	06/06/96	04/11/95
DATE EXTRACTED -->	04/06/95		05/12/95	04/08/95	06/19/96	
DATE ANALYZED --->	04/06/95			04/08/95	06/19/96	04/12/95
MATRIX ---------->	Water	Water	Soil	Soil	Soil	Soil
UNITS ---------->	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG

CAS #	Parameter	0005T	VAL	30215.21T	VAL	30215.15T	VAL	0006T	VAL	25887	VAL	30215.4T	VAL
18540-29-9	Chromium (Hexavalent)	0.01	U	0.01	UJ	1.19		0.01	U	0.274	U	0.261	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

HEXACHROME													
	SAMPLE ID ------->	523-H-W001-01		700-C-B003-01		GDC-C-B013-01		GDC-C-B017-01		GDC-C-B023-02		GDC-C-B035-02	
	ORIGINAL ID ----->	523HW00101		700CB00301		GRDCB01301		GRDCB01701		GRDCB02302		GRDCB03502	
	LAB SAMPLE ID --->	732779		25888.01		702016		702602		701998		702436	
	ID FROM REPORT -->	523HW00101		700CB00301		GRDCB01301		GRDCB01701		GRDCB02302		GRDCB03502	
	SAMPLE DATE ----->	06/15/95		06/05/96		04/11/95		04/10/95		04/11/95		04/12/95	
	DATE EXTRACTED -->			06/19/96		04/12/95				04/12/95			
	DATE ANALYZED --->	06/16/95		06/19/96		04/12/95		04/12/95		04/12/95			
	MATRIX ---------->	Water		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	MG/L		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	30215.18T	VAL	25887	VAL	0006T	VAL	30215.10T	VAL	0006T	VAL	30215.10T	VAL
18540-29-9	Chromium (Hexavalent)	0.0142	U	0.266	U	0.01	U	0.01	UJ	0.01	U	0.01	UJ

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
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HEXACHROME							
	SAMPLE ID ------->	GDC-C-B045-01					
	ORIGINAL ID ----->	GDCCB04501					
	LAB SAMPLE ID --->	736426					
	ID FROM REPORT -->	GDCCB04501					
	SAMPLE DATE ----->	04/01/95					
	MATRIX ---------->	Water					
	UNITS ----------->	MG/KG					
CAS #	Parameter	30215.21T VAL					
18540-29-9	Chromium (Hexavalent)	0.01 UJ					

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

ORGANOTIN						
SAMPLE ID ------->	044-W-0018-01	044-W-0019-01	044-R-0019-01	044-W-0020-01	044-W-0021-01	BLK-T-9524-01
ORIGINAL ID ----->	044W001801	044W001901	044R001901	044W002001	044W002101	MBLANK
LAB SAMPLE ID --->	0495024-1	0495024-2	0495024-3	0495024-4	0495024-5	0495024-MB
ID FROM REPORT -->	044W001801	044W001901	044R001901	044W002001	044W002101	MBLANK
SAMPLE DATE ----->	04/11/95	04/11/95	04/11/95	04/11/95	04/11/95	
DATE EXTRACTED -->	04/25/95	04/25/95	04/25/95	04/25/95	04/25/95	04/25/95
DATE ANALYZED --->	05/11/95	05/11/95	05/11/95	05/11/95	05/11/95	05/10/95
MATRIX ---------->	Water	Water	Water	Water	Water	Water
UNITS ----------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	49524	VAL	49524	VAL	49524	VAL	49524	VAL	49524	VAL	49524	VAL
1461-25-2	Tetrabutyltin	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
683-18-1	Dibutyltin	0.3	U	0.3	U	0.3	U	0.115		0.3	U	0.3	U
1118-46-3	Monobutyltin	0.3	U	0.3	U	0.3	U	0.173		0.3	U	0.3	U
1461-22-9	Tributyltin	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SPLP LEACH					
SAMPLE ID ------->	047-S-B005-01	047-S-B005-02	508-S-B003-01	510-S-B005-01	510-S-B005-02
ORIGINAL ID ----->	047SB00501	047SB00502	508SB00301	510SB00501	510SB00502
LAB SAMPLE ID --->	755068	755125	754921	753703	753706
ID FROM REPORT -->	047SB00501	047SB00502	508SB00301	510SB00501	510SB00502
SAMPLE DATE ----->	09/13/95	09/13/95	09/12/95	09/07/95	09/07/95
DATE EXTRACTED -->	09/16/95	09/16/95	09/16/95	09/19/95	09/19/95
DATE ANALYZED --->	09/18/95	09/18/95	09/18/95	09/20/95	09/20/95
MATRIX ---------->	Water	Water	Water	Water	Water
UNITS ----------->	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	024SP	VAL	024SP	VAL	024SP	VAL	024SP	VAL	024SP	VAL
62-75-9	N-Nitrosodimethylamine	18.	U	18.	U	18.	U	15.	U	15.	U
110-86-1	Pyridine	24.	U	24.	U	24.	U	20.	U	20.	U
123-63-7	Paraldehyde	12.	U	12.	U	12.	U	10.	U	10.	U
97-63-2	Ethyl methacrylate	18.	U	18.	U	18.	U	15.	U	15.	U
109-06-8	2-Picoline	55.	U	55.	U	55.	U	45.	U	45.	U
10595-95-6	N-Nitrosomethylethylamine	24.	U	24.	U	24.	U	20.	U	20.	U
66-27-3	Methyl methanesulfonate	24.	U	24.	U	24.	U	20.	U	20.	U
55-18-5	N-Nitrosodiethylamine	18.	U	18.	U	18.	U	15.	U	15.	U
62-50-0	Ethyl methanesulfonate	24.	U	24.	U	24.	U	20.	U	20.	U
108-95-2	Phenol	18.	U	18.	U	18.	U	15.	U	15.	U
62-53-3	Aniline	18.	U	18.	U	18.	U	15.	U	15.	U
111-44-4	bis(2-Chloroethyl)ether	24.	U	24.	U	24.	U	20.	U	20.	U
76-01-7	Pentachloroethane	12.	U	12.	U	12.	U	10.	U	10.	U
95-57-8	2-Chlorophenol	18.	U	18.	U	18.	U	15.	U	15.	U
541-73-1	1,3-Dichlorobenzene	12.	U	12.	U	12.	U	10.	U	10.	U
100-44-7	Benzyl chloride	6.	U	6.	U	6.	U	5.	U	5.	U
106-46-7	1,4-Dichlorobenzene	12.	U	12.	U	12.	U	10.	U	10.	U
100-51-6	Benzyl alcohol	24.	U	24.	U	24.	U	20.	U	20.	U
95-50-1	1,2-Dichlorobenzene	12.	U	12.	U	12.	U	10.	U	10.	U
95-48-7	2-Methylphenol (o-Cresol)	24.	U	24.	U	24.	U	20.	U	20.	U
39638-32-9	Bis(2-Chloroisopropyl)Ether	18.	U	18.	U	18.	U	15.	U	15.	U
108-39-4	3-Methylphenol (m-Cresol)	42.	U	42.	U	42.	U	35.	U	35.	U
106-44-5	4-Methylphenol (p-Cresol)	42.	U	42.	U	42.	U	35.	U	35.	U
930-55-2	N-Nitrosopyrrolidine	18.	U	18.	U	18.	U	15.	U	15.	U
621-64-7	N-Nitroso-di-n-propylamine	24.	U	24.	U	24.	U	20.	U	20.	U
98-86-2	Acetophenone	24.	U	24.	U	24.	U	20.	U	20.	U
59-89-2	N-Nitrosomorpholine	12.	U	12.	U	12.	U	10.	U	10.	U
636-21-5	o-Toluidine hydrochloride	30.	U	30.	U	30.	U	25.	U	25.	U
67-72-1	Hexachloroethane	12.	U	12.	U	12.	U	10.	U	10.	U
98-95-3	Nitrobenzene	12.	U	12.	U	12.	U	10.	U	10.	U
100-75-4	N-Nitrosopiperidine	12.	U	12.	U	12.	U	10.	U	10.	U
78-59-1	Isophorone	12.	U	12.	U	12.	U	10.	U	10.	U
88-75-5	2-Nitrophenol	6.	U	6.	U	6.	U	5.	U	5.	U
105-67-9	2,4-Dimethylphenol	42.	U	42.	U	42.	U	35.	U	35.	U
108-70-3	1,3,5-Trichlorobenzene	6.	U	6.	U	6.	U	5.	U	5.	U
98-87-3	Benzal chloride	18.	U	18.	U	18.	U	15.	U	15.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SPLP LEACH										
	SAMPLE ID ------->	047-S-B005-01		047-S-B005-02		508-S-B003-01		510-S-B005-01		510-S-B005-02	
	ORIGINAL ID ----->	047SB00501		047SB00502		508SB00301		510SB00501		510SB00502	
	LAB SAMPLE ID --->	755068		755125		754921		753703		753706	
	ID FROM REPORT -->	047SB00501		047SB00502		508SB00301		510SB00501		510SB00502	
	SAMPLE DATE ----->	09/13/95		09/13/95		09/12/95		09/07/95		09/07/95	
	DATE EXTRACTED -->	09/16/95		09/16/95		09/16/95		09/19/95		09/19/95	
	DATE ANALYZED --->	09/18/95		09/18/95		09/18/95		09/20/95		09/20/95	
	MATRIX ---------->	Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	024SP	VAL	024SP	VAL	024SP	VAL	024SP	VAL	024SP	VAL
126-68-1	O,O,O-Triethylphosphorothioate	130.	U	130.	U	130.	U	110.	U	110.	U
65-85-0	Benzoic acid	120.	U	120.	U	120.	U	95.	U	95.	U
111-91-1	bis(2-Chloroethoxy)methane	18.	U	18.	U	18.	U	15.	U	15.	U
120-83-2	2,4-Dichlorophenol	18.	U	18.	U	18.	U	15.	U	15.	U
120-82-1	1,2,4-Trichlorobenzene	6.	U	6.	U	6.	U	5.	U	5.	U
91-20-3	Naphthalene	6.	U	6.	U	6.	U	5.	U	5.	U
106-47-8	4-Chloroaniline	6.	U	6.	U	6.	U	5.	U	5.	U
87-65-0	2,6-Dichlorophenol	30.	U	30.	U	30.	U	25.	U	25.	U
1888-71-7	Hexachloropropene	24.	U	24.	U	24.	U	20.	U	20.	U
87-68-3	Hexachlorobutadiene	6.	U	6.	U	6.	U	5.	U	5.	U
87-61-6	1,2,3-Trichlorobenzene	6.	U	6.	U	6.	U	5.	U	5.	U
98-07-7	Benzotrichloride	6.	U	6.	U	6.	U	5.	U	5.	U
924-16-3	N-Nitroso-di-n-butylamine	12.	U	12.	U	12.	U	10.	U	10.	U
59-50-7	4-Chloro-3-methylphenol	12.	U	12.	U	12.	U	10.	U	10.	U
94-59-7	Safrole	6.	U	6.	U	6.	U	5.	U	5.	U
91-57-6	2-Methylnaphthalene	12.	U	12.	U	12.	U	10.	U	10.	U
90-12-0	1-Methyl naphthalene	18.	U	18.	U	18.	U	15.	U	15.	U
77-47-4	Hexachlorocyclopentadiene	30.	U	30.	U	30.	U	25.	U	25.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	18.	U	18.	U	18.	U	15.	U	15.	U
634-90-2	1,2,3,5-Tetrachlorobenzene	18.	U	18.	U	18.	U	15.	U	15.	U
88-06-2	2,4,6-Trichlorophenol	30.	U	30.	U	30.	U	25.	U	25.	U
95-95-4	2,4,5-Trichlorophenol	30.	U	30.	U	30.	U	25.	U	25.	U
120-58-1	Isosafrole	12.	U	12.	U	12.	U	10.	U	10.	U
634-66-2	1,2,3,4-Tetrachlorobenzene	12.	U	12.	U	12.	U	10.	U	10.	U
91-58-7	2-Chloronaphthalene	18.	U	18.	U	18.	U	15.	U	15.	U
90-13-1	1-Chloronaphthalene	30.	U	30.	U	30.	U	25.	U	25.	U
88-74-4	2-Nitroaniline	24.	U	24.	U	24.	U	20.	U	20.	U
130-15-4	1,4-Naphthoquinone	42.	U	42.	U	42.	U	35.	U	35.	U
131-11-3	Dimethyl phthalate	12.	U	12.	U	12.	U	10.	U	10.	U
99-65-0	1,3-Dinitrobenzene	18.	U	18.	U	18.	U	15.	U	15.	U
606-20-2	2,6-Dinitrotoluene	18.	U	18.	U	18.	U	15.	U	15.	U
208-96-8	Acenaphthylene	12.	U	12.	U	12.	U	10.	U	10.	U
99-09-2	3-Nitroaniline	36.	U	36.	U	36.	U	30.	U	30.	U
83-32-9	Acenaphthene	12.	U	12.	U	12.	U	10.	U	10.	U
51-28-5	2,4-Dinitrophenol	91.	U	91.	U	91.	U	75.	U	75.	U
100-02-7	4-Nitrophenol	55.	U	55.	U	55.	U	45.	U	45.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SPLP LEACH										
	SAMPLE ID ------->	047-S-B005-01		047-S-B005-02		508-S-B003-01		510-S-B005-01		510-S-B005-02	
	ORIGINAL ID ----->	047SB00501		047SB00502		508SB00301		510SB00501		510SB00502	
	LAB SAMPLE ID --->	755068		755125		754921		753703		753706	
	ID FROM REPORT -->	047SB00501		047SB00502		508SB00301		510SB00501		510SB00502	
	SAMPLE DATE ----->	09/13/95		09/13/95		09/12/95		09/07/95		09/07/95	
	DATE EXTRACTED -->	09/16/95		09/16/95		09/16/95		09/19/95		09/19/95	
	DATE ANALYZED --->	09/18/95		09/18/95		09/18/95		09/20/95		09/20/95	
	MATRIX ---------->	Water		Water		Water		Water		Water	
	UNITS ----------->	UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	024SP	VAL	024SP	VAL	024SP	VAL	024SP	VAL	024SP	VAL
608-93-5	Pentachlorobenzene	12.	U	12.	U	12.	U	10.	U	10.	U
121-14-2	2,4-Dinitrotoluene	12.	U	12.	U	12.	U	10.	U	10.	U
132-64-9	Dibenzofuran	12.	U	12.	U	12.	U	10.	U	10.	U
91-59-8	2-Naphthylamine	24.	U	24.	U	24.	U	20.	U	20.	U
58-90-2	2,3,4,6-Tetrachlorophenol	42.	U	42.	U	42.	U	35.	U	35.	U
134-32-7	1-Naphthylamine	42.	U	42.	U	42.	U	35.	U	35.	U
84-66-2	Diethylphthalate	18.	U	18.	U	18.	U	15.	U	15.	U
297-97-2	Thionazin	18.	U	18.	U	18.	U	15.	U	15.	U
7005-72-3	4-Chlorophenylphenylether	12.	U	12.	U	12.	U	10.	U	10.	U
99-55-8	5-Nitro-o-toluidine	36.	U	36.	U	36.	U	30.	U	30.	U
86-73-7	Fluorene	12.	U	12.	U	12.	U	10.	U	10.	U
100-01-6	4-Nitroaniline	42.	U	42.	U	42.	U	35.	U	35.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	55.	U	55.	U	55.	U	45.	U	45.	U
86-30-6	N-Nitrosodiphenylamine	36.	U	36.	U	36.	U	30.	U	30.	U
122-39-4	Diphenylamine	36.	U	36.	U	36.	U	30.	U	30.	U
122-66-7	Hydrazine, 1,2-diphenyl	18.	U	18.	U	18.	U	15.	U	15.	U
99-35-4	1,3,5-Trinitrobenzene	55.	U	55.	U	55.	U	45.	U	45.	U
2303-16-4	Diallate	24.	U	24.	U	24.	U	20.	U	20.	U
62-44-2	Phenacetin	24.	U	24.	U	24.	U	20.	U	20.	U
101-55-3	4-Bromophenyl-phenylether	18.	U	18.	U	18.	U	15.	U	15.	U
118-74-1	Hexachlorobenzene	18.	U	18.	U	18.	U	15.	U	15.	U
60-51-5	Dimethoate	18.	U	18.	U	18.	U	15.	U	15.	U
92-67-1	4-Aminobiphenyl	12.	U	12.	U	12.	U	10.	U	10.	U
87-86-5	Pentachlorophenol	67.	U	67.	U	67.	U	55.	U	55.	U
23950-58-5	Pronamide	18.	U	18.	U	18.	U	15.	U	15.	U
82-68-8	Pentachloronitrobenzene	18.	U	18.	U	18.	U	15.	U	15.	U
85-01-8	Phenanthrene	18.	U	18.	U	18.	U	15.	U	15.	U
120-12-7	Anthracene	18.	U	18.	U	18.	U	15.	U	15.	U
84-74-2	Di-n-butylphthalate	18.	U	18.	U	18.	U	15.	U	15.	U
56-57-5	4-Nitroquinoline 1-oxide	91.	U	91.	U	91.	U	75.	U	75.	U
91-80-5	Methapyrilene	36.	U	36.	U	36.	U	30.	U	30.	U
6055-19-2	Cyclophosphamide Hydrate	24.	U	24.	U	24.	U	20.	U	20.	U
465-73-6	Isodrin	18.	U	18.	U	18.	U	15.	U	15.	U
206-44-0	Fluoranthene	24.	U	24.	U	24.	U	20.	U	20.	U
92-87-5	Benzidine	30.	U	30.	U	30.	U	25.	U	25.	U
129-00-0	Pyrene	12.	U	12.	U	12.	U	10.	U	10.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SPLP LEACH										
	SAMPLE ID ------->	047-S-B005-01		047-S-B005-02		508-S-B003-01		510-S-B005-01		510-S-B005-02	
	ORIGINAL ID ----->	047SB00501		047SB00502		508SB00301		510SB00501		510SB00502	
	LAB SAMPLE ID --->	755068		755125		754921		753703		753706	
	ID FROM REPORT -->	047SB00501		047SB00502		508SB00301		510SB00501		510SB00502	
	SAMPLE DATE ----->	09/13/95		09/13/95		09/12/95		09/07/95		09/07/95	
	DATE EXTRACTED -->	09/16/95		09/16/95		09/16/95		09/19/95		09/19/95	
	DATE ANALYZED --->	09/18/95		09/18/95		09/18/95		09/20/95		09/20/95	
	MATRIX ---------->	Water		Water		Water		Water		Water	
	UNITS ----------->	UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	024SP	VAL	024SP	VAL	024SP	VAL	024SP	VAL	024SP	VAL
140-57-8	Aramite	24.	U	24.	U	24.	U	20.	U	20.	U
60-11-7	p-(Dimethylamino)azobenzene	12.	U	12.	U	12.	U	10.	U	10.	U
510-15-6	Chlorobenzilate	12.	U	12.	U	12.	U	10.	U	10.	U
52-85-7	Famphur	79.	U	79.	U	79.	U	65.	U	65.	U
85-68-7	Butylbenzylphthalate	12.	U	12.	U	12.	U	10.	U	10.	U
119-93-7	3,3-Dimethylbenzidine	120.	U	120.	U	120.	U	100.	U	100.	U
53-96-3	Acetamidofluorene	12.	U	12.	U	12.	U	10.	U	10.	U
119-90-4	3,3'-Dimethoxybenzidine	24.	U	24.	U	24.	U	20.	U	20.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	12.	U	12.	U	12.	U	10.	U	10.	U
101-14-4	Benzenamine, 4,4'-methylenebis[2chloro-	18.	U	18.	U	18.	U	15.	U	15.	U
91-94-1	3,3'-Dichlorobenzidine	12.	U	12.	U	12.	U	10.	U	10.	U
56-55-3	Benzo(a)anthracene	12.	U	12.	U	12.	U	10.	U	10.	U
218-01-9	Chrysene	18.	U	18.	U	18.	U	15.	U	15.	U
117-84-0	Di-n-octyl phthalate	24.	U	24.	U	24.	U	20.	U	20.	U
57-97-6	7,12-Dimethylbenz(a)anthracene	12.	U	12.	U	12.	U	10.	U	10.	U
205-99-2	Benzo(b)fluoranthene	12.	U	12.	U	12.	U	10.	U	10.	U
207-08-9	Benzo(k)fluoranthene	24.	U	24.	U	24.	U	20.	U	20.	U
50-32-8	Benzo(a)pyrene	6.	U	6.	U	6.	U	5.	U	5.	U
56-49-5	3-Methyl cholanthrene	6.	U	6.	U	6.	U	5.	U	5.	U
224-42-0	Dibenz(a,j)acridine	12.	U	12.	U	12.	U	10.	U	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	12.	U	12.	U	12.	U	10.	U	10.	U
53-70-3	Dibenz(a,h)anthracene	12.	U	12.	U	12.	U	10.	U	10.	U
191-24-2	Benzo(g,h,i)perylene	12.	U	12.	U	12.	U	10.	U	10.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
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SULFATE													
	SAMPLE ID ------->	044-H-W004-01		044-G-W006-01		GDC-G-W001-01		GDC-G-W002-01		GDC-G-W01D-01		GDC-G-W02D-01	
	ORIGINAL ID ----->	044GW00401		044GW00601		GDCGW00101		GRDGW00201		GDCGW01D01		GDCGW02D01	
	LAB SAMPLE ID --->	731400		709189		730846		709214		730867		731356	
	ID FROM REPORT -->	044GW00401		044GW00601		GDCGW00101		GRDGW00201		GDCGW01D01		GDCGW02D01	
	SAMPLE DATE ----->	06/13/95		05/01/95		06/12/95		04/30/95		06/12/95		06/13/95	
	DATE ANALYZED --->	07/06/95		05/09/95		07/06/95		05/09/95		07/06/95		07/06/95	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	MG/L		MG/L		MG/L		MG/L		MG/L		MG/L	
CAS #	Parameter	30215.18J	VAL	30215.16J	VAL	30215.17J	VAL	30215.16J	VAL	30215.17J	VAL	30215.17J	VAL
14808-79-8	Sulfate	812.	U	1010.		12.2		97.5		21.3		33.4	

*** Validation Complete ***

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SULFUR	SAMPLE ID ------->	044-S-B006-01	047-S-B005-01	047-S-B005-02	508-S-B003-01	510-S-B005-01	510-S-B005-02
	ORIGINAL ID ----->	044SB00601	047SB00501	047SB00502	508SB00301	510SB00501	510SB00502
	LAB SAMPLE ID --->	755128	755063	755069	754891	753663	753664
	ID FROM REPORT -->	044SB00601	047SB00501	047SB00502	508BB00301	510SB00501	510SB00502
	SAMPLE DATE ----->	09/13/95	09/13/95	09/13/95	09/12/95	09/07/95	09/07/95
	DATE ANALYZED --->	09/28/95	09/28/95	09/28/95	09/28/95	09/19/95	09/19/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ----------->	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG

CAS #	Parameter	95-06	VAL	95-06	VAL	95-06	VAL	95-05	VAL	95-04	VAL	95-04	VAL
7704-34-9	Sulfur	0.22		0.03		0.07		0.06		0.02		0.16	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
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SULFUR												
	SAMPLE ID ------>	511-S-B006-01		511-S-B006-02		515-S-B003-01		515-S-B003-02		518-S-B001-01		518-S-B001-02	
	ORIGINAL ID ----->	511SB00601		511SB00602		515SB00301		515SB00302		518SB00101		518SB00102	
	LAB SAMPLE ID --->	754831		754867		756856		756857		756861		756860	
	ID FROM REPORT -->	511SB00601		511SB00602		515SB00301		515SB00302		518SB00101		518SB00102	
	SAMPLE DATE ----->	09/12/95		09/12/95		09/18/95		09/18/95		09/18/95		09/18/95	
	DATE ANALYZED --->	09/28/95		09/28/95		10/02/95		10/02/95		10/02/95		10/02/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	95-05	VAL	95-05	VAL	95-07	VAL	95-07	VAL	95-07	VAL	95-07	VAL
7704-34-9	Sulfur	0.14		0.21		0.11		0.05		0.06		0.11	

*** Validation Complete ***

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SULFUR									
	SAMPLE ID ------->	520-S-B005-01		520-S-B005-02		GDC-S-B001-01		GDC-S-B001-02	
	ORIGINAL ID ----->	520SB00501		520SB00502		GDCSB00101		GDCSB00102	
	LAB SAMPLE ID --->	756858		756859		753665		753666	
	ID FROM REPORT -->	520SB00501		520SB00502		GDCSB00101		GDCSB00102	
	SAMPLE DATE ----->	09/18/95		09/18/95		09/07/95		09/07/95	
	DATE ANALYZED --->	10/02/95		10/02/95		09/19/95		09/19/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil	
	UNITS ----------->	MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	95-07	VAL	95-07	VAL	95-04	VAL	95-04	VAL
7704-34-9	Sulfur	0.06		0.1		0.12		0.03	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
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SW-SVOA	SAMPLE ID ------->	044-S-S001-01	044-S-S002-01	044-S-S003-01	044-S-S004-01	044-S-S005-01	044-S-S006-01
	ORIGINAL ID ----->	044SS00101	044SS00201	044SS00301	044SS00401	044SS00501	044SS00601
	LAB SAMPLE ID --->	30257.01	30257.02	30257.03	30257.04	30257.05	30257.06
	ID FROM REPORT -->	044SS00101	044SS00201	044SS00301	044SS00401	044SS00501	044SS00601
	SAMPLE DATE ----->	07/23/97	07/23/97	07/23/97	07/23/97	07/23/97	07/23/97
	DATE EXTRACTED -->	07/29/97	07/29/97	07/29/97	07/29/97	07/29/97	07/29/97
	DATE ANALYZED --->	08/04/97	08/04/97	08/04/97	08/04/97	08/05/97	08/05/97
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	30257	NV	30257	NV	30257	NV	30257	NV	30257	NV	30257	NV
108-95-2	Phenol	400.	U	390.	U	380.	U	380.	U	400.	U	500.	U
111-44-4	bis(2-Chloroethyl)ether	400.	U	390.	U	380.	U	380.	U	400.	U	500.	U
95-57-8	2-Chlorophenol	400.	U	390.	U	380.	U	380.	U	400.	U	500.	U
541-73-1	1,3-Dichlorobenzene	400.	U	390.	U	380.	U	380.	U	400.	U	500.	U
106-46-7	1,4-Dichlorobenzene	400.	U	390.	U	380.	U	380.	U	400.	U	500.	U
100-51-6	Benzyl alcohol	400.	U	390.	U	380.	U	380.	U	400.	U	500.	U
95-50-1	1,2-Dichlorobenzene	400.	U	390.	U	380.	U	380.	U	400.	U	500.	U
95-48-7	2-Methylphenol (o-Cresol)	400.	U	390.	U	380.	U	380.	U	400.	U	500.	U
106-44-5	4-Methylphenol (p-Cresol)	400.	U	390.	U	380.	U	380.	U	400.	U	500.	U
621-64-7	N-Nitroso-di-n-propylamine	400.	U	390.	U	380.	U	380.	U	400.	U	500.	U
67-72-1	Hexachloroethane	400.	U	390.	U	380.	U	380.	U	400.	U	500.	U
98-95-3	Nitrobenzene	400.	U	390.	U	380.	U	380.	U	400.	U	500.	U
78-59-1	Isophorone	400.	U	390.	U	380.	U	380.	U	400.	U	500.	U
88-75-5	2-Nitrophenol	400.	U	390.	U	380.	U	380.	U	400.	U	500.	U
105-67-9	2,4-Dimethylphenol	400.	U	390.	U	380.	U	380.	U	400.	U	500.	U
65-85-0	Benzoic acid	2000.	U	1900.	U	1800.	U	1800.	U	1900.	U	2400.	U
111-91-1	bis(2-Chloroethoxy)methane	400.	U	390.	U	380.	U	380.	U	400.	U	500.	U
120-83-2	2,4-Dichlorophenol	400.	U	390.	U	380.	U	380.	U	400.	U	500.	U
120-82-1	1,2,4-Trichlorobenzene	400.	U	390.	U	380.	U	380.	U	84.	J	500.	U
91-20-3	Naphthalene	300.	J	390.	U	320.	J	380.	U	770.		1200.	
106-47-8	4-Chloroaniline	400.	U	390.	U	380.	U	380.	U	400.	U	500.	U
87-68-3	Hexachlorobutadiene	400.	U	390.	U	380.	U	380.	U	400.	U	500.	U
59-50-7	4-Chloro-3-methylphenol	400.	U	390.	U	380.	U	380.	U	400.	U	500.	U
91-57-6	2-Methylnaphthalene	510.		120.	J	610.		380.	U	1300.		2400.	
77-47-4	Hexachlorocyclopentadiene	400.	U	390.	U	380.	U	380.	U	400.	U	500.	U
88-06-2	2,4,6-Trichlorophenol	400.	U	390.	U	380.	U	380.	U	400.	U	500.	U
95-95-4	2,4,5-Trichlorophenol	2000.	U	1900.	U	1800.	U	1800.	U	1900.	U	2400.	U
91-58-7	2-Chloronaphthalene	400.	U	390.	U	380.	U	380.	U	400.	U	500.	U
88-74-4	2-Nitroaniline	2000.	U	1900.	U	1800.	U	1800.	U	1900.	U	2400.	U
131-11-3	Dimethyl phthalate	400.	U	390.	U	380.	U	380.	U	400.	U	500.	U
606-20-2	2,6-Dinitrotoluene	400.	U	390.	U	380.	U	380.	U	400.	U	500.	U
208-96-8	Acenaphthylene	400.	U	390.	U	380.	U	380.	U	400.	U	500.	U
99-09-2	3-Nitroaniline	2000.	U	1900.	U	1800.	U	1800.	U	1900.	U	2400.	U
83-32-9	Acenaphthene	400.	U	390.	U	380.	U	380.	U	400.	U	90.	J
51-28-5	2,4-Dinitrophenol	2000.	U	1900.	U	1800.	U	1800.	U	1900.	U	2400.	U
100-02-7	4-Nitrophenol	2000.	U	1900.	U	1800.	U	1800.	U	1900.	U	2400.	U

CHARLESTON - ZONE C
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SW-SVOA													
	SAMPLE ID ------>	044-S-S001-01		044-S-S002-01		044-S-S003-01		044-S-S004-01		044-S-S005-01		044-S-S006-01	
	ORIGINAL ID ----->	044SS00101		044SS00201		044SS00301		044SS00401		044SS00501		044SS00601	
	LAB SAMPLE ID --->	30257.01		30257.02		30257.03		30257.04		30257.05		30257.06	
	ID FROM REPORT -->	044SS00101		044SS00201		044SS00301		044SS00401		044SS00501		044SS00601	
	SAMPLE DATE ----->	07/23/97		07/23/97		07/23/97		07/23/97		07/23/97		07/23/97	
	DATE EXTRACTED -->	07/29/97		07/29/97		07/29/97		07/29/97		07/29/97		07/29/97	
	DATE ANALYZED --->	08/04/97		08/04/97		08/04/97		08/04/97		08/05/97		08/05/97	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	30257	NV	30257	NV	30257	NV	30257	NV	30257	NV	30257	NV
121-14-2	2,4-Dinitrotoluene	400.	U	390.	U	380.	U	380.	U	400.	U	500.	U
132-64-9	Dibenzofuran	140.	J	390.	U	190.	J	380.	U	300.	J	670.	
84-66-2	Diethylphthalate	400.	U	390.	U	380.	U	380.	U	400.	U	500.	U
7005-72-3	4-Chlorophenylphenylether	400.	U	390.	U	380.	U	380.	U	400.	U	500.	U
86-73-7	Fluorene	400.	U	390.	U	380.	U	380.	U	400.	U	63.	J
100-01-6	4-Nitroaniline	2000.	U	1900.	U	1800.	U	1800.	U	1900.	U	2400.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	2000.	U	1900.	U	1800.	U	1800.	U	1900.	U	2400.	U
86-30-6	N-Nitrosodiphenylamine	400.	U	390.	U	380.	U	380.	U	400.	U	500.	U
101-55-3	4-Bromophenyl-phenylether	400.	U	390.	U	380.	U	380.	U	400.	U	500.	U
118-74-1	Hexachlorobenzene	400.	U	390.	U	380.	U	380.	U	400.	U	500.	U
87-86-5	Pentachlorophenol	2000.	U	1900.	U	1800.	U	1800.	U	1900.	U	2400.	U
85-01-8	Phenanthrene	380.	J	99.	J	520.		380.	U	870.		2600.	
120-12-7	Anthracene	400.	U	390.	U	380.	U	380.	U	400.	U	120.	J
84-74-2	Di-n-butylphthalate	400.	U	390.	U	380.	U	380.	U	400.	U	500.	U
206-44-0	Fluoranthene	88.	J	390.	U	120.	J	380.	U	260.	J	690.	
129-00-0	Pyrene	96.	J	390.	U	140.	J	380.	U	330.	J	590.	
85-68-7	Butylbenzylphthalate	400.	U	390.	U	380.	U	380.	U	400.	U	500.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	400.	U	390.	U	380.	U	380.	U	400.	U	74.	J
91-94-1	3,3'-Dichlorobenzidine	800.	U	780.	U	750.	U	760.	U	800.	U	1000.	U
56-55-3	Benzo(a)anthracene	80.	J	390.	U	120.	J	380.	U	210.	J	380.	J
218-01-9	Chrysene	140.	J	390.	U	210.	J	380.	U	340.	J	760.	
117-84-0	Di-n-octyl phthalate	400.	U	390.	U	380.	U	380.	U	400.	U	500.	U
205-99-2	Benzo(b)fluoranthene	67.	J	390.	U	66.	J	380.	U	250.	J	400.	J
207-08-9	Benzo(k)fluoranthene	400.	U	390.	U	76.	J	380.	U	150.	J	210.	J
50-32-8	Benzo(a)pyrene	400.	U	390.	U	60.	J	380.	U	180.	J	220.	J
193-39-5	Indeno(1,2,3-cd)pyrene	400.	U	390.	U	380.	U	380.	U	74.	J	70.	J
53-70-3	Dibenz(a,h)anthracene	400.	U	390.	U	380.	U	380.	U	400.	U	500.	U
191-24-2	Benzo(g,h,i)perylene	400.	U	390.	U	380.	U	380.	U	99.	J	110.	J
108-60-1	2,2'-oxybis(1-Chloropropane)	400.	U	390.	U	380.	U	380.	U	400.	U	500.	U

CHARLESTON - ZONE C
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SW-SVOA													
	SAMPLE ID ------->	044-S-S007-01		044-S-S008-01		044-S-S009-01		044-C-S009-01					
	ORIGINAL ID ----->	044SS00701		044SS00801		044SS00901		044CS00901					
	LAB SAMPLE ID --->	30291.02		30291.01		30339.01		30339.02					
	ID FROM REPORT -->	044SS00701		044SS00801		044SS00901		044CS00901					
	SAMPLE DATE ----->	07/24/97		07/24/97		07/28/97		07/28/97					
	DATE EXTRACTED -->	07/29/97		07/29/97		07/30/97		07/30/97					
	DATE ANALYZED --->	08/04/97		08/04/97		08/05/97		08/05/97					
	MATRIX ---------->	Soil		Soil		Soil		Soil					
	UNITS ----------->	UG/KG		UG/KG		UG/KG		UG/KG					
CAS #	Parameter	30257	NV	30257	NV	30257	NV	30257	NV				
108-95-2	Phenol	430.	U	390.	U	460.	U	410.	U				
111-44-4	bis(2-Chloroethyl)ether	430.	U	390.	U	460.	U	410.	U				
95-57-8	2-Chlorophenol	430.	U	390.	U	460.	U	410.	U				
541-73-1	1,3-Dichlorobenzene	430.	U	390.	U	460.	U	410.	U				
106-46-7	1,4-Dichlorobenzene	430.	U	390.	U	460.	U	410.	U				
100-51-6	Benzyl alcohol	430.	U	390.	U	460.	U	410.	U				
95-50-1	1,2-Dichlorobenzene	430.	U	390.	U	460.	U	410.	U				
95-48-7	2-Methylphenol (o-Cresol)	430.	U	390.	U	460.	U	410.	U				
106-44-5	4-Methylphenol (p-Cresol)	430.	U	390.	U	460.	U	410.	U				
621-64-7	N-Nitroso-di-n-propylamine	430.	U	390.	U	460.	U	410.	U				
67-72-1	Hexachloroethane	430.	U	390.	U	460.	U	410.	U				
98-95-3	Nitrobenzene	430.	U	390.	U	460.	U	410.	U				
78-59-1	Isophorone	430.	U	390.	U	460.	U	410.	U				
88-75-5	2-Nitrophenol	430.	U	390.	U	460.	U	410.	U				
105-67-9	2,4-Dimethylphenol	430.	U	390.	U	460.	U	410.	U				
65-85-0	Benzoic acid	2100.	U	1900.	U	2200.	U	2000.	U				
111-91-1	bis(2-Chloroethoxy)methane	430.	U	390.	U	460.	U	410.	U				
120-83-2	2,4-Dichlorophenol	430.	U	390.	U	460.	U	410.	U				
120-82-1	1,2,4-Trichlorobenzene	430.	U	390.	U	460.	U	410.	U				
91-20-3	Naphthalene	290.	J	390.	U	130.	J	410.	U				
106-47-8	4-Chloroaniline	430.	U	390.	U	460.	U	410.	U				
87-68-3	Hexachlorobutadiene	430.	U	390.	U	460.	U	410.	U				
59-50-7	4-Chloro-3-methylphenol	430.	U	390.	U	460.	U	410.	U				
91-57-6	2-Methylnaphthalene	330.	J	390.	U	210.	J	140.	J				
77-47-4	Hexachlorocyclopentadiene	430.	U	390.	U	460.	U	410.	U				
88-06-2	2,4,6-Trichlorophenol	430.	U	390.	U	460.	U	410.	U				
95-95-4	2,4,5-Trichlorophenol	2100.	U	1900.	U	2200.	U	2000.	U				
91-58-7	2-Chloronaphthalene	430.	U	390.	U	460.	U	410.	U				
88-74-4	2-Nitroaniline	2100.	U	1900.	U	2200.	U	2000.	U				
131-11-3	Dimethyl phthalate	430.	U	390.	U	460.	U	410.	U				
606-20-2	2,6-Dinitrotoluene	430.	U	390.	U	460.	U	410.	U				
208-96-8	Acenaphthylene	460.		390.	U	460.	U	410.	U				
99-09-2	3-Nitroaniline	2100.	U	1900.	U	2200.	U	2000.	U				
83-32-9	Acenaphthene	82.	J	390.	U	460.	U	410.	U				
51-28-5	2,4-Dinitrophenol	2100.	U	1900.	U	2200.	U	2000.	U				
100-02-7	4-Nitrophenol	2100.	U	1900.	U	2200.	U	2000.	U				

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW-SVOA	SAMPLE ID ------->	044-S-S007-01	044-S-S008-01	044-S-S009-01	044-C-S009-01		
	ORIGINAL ID ----->	044SS00701	044SS00801	044SS00901	044CS00901		
	LAB SAMPLE ID --->	30291.02	30291.01	30339.01	30339.02		
	ID FROM REPORT -->	044SS00701	044SS00801	044SS00901	044CS00901		
	SAMPLE DATE ----->	07/24/97	07/24/97	07/28/97	07/28/97		
	DATE EXTRACTED -->	07/29/97	07/29/97	07/30/97	07/30/97		
	DATE ANALYZED --->	08/04/97	08/04/97	08/05/97	08/05/97		
	MATRIX ---------->	Soil	Soil	Soil	Soil		
	UNITS ----------->	UG/KG	UG/KG	UG/KG	UG/KG		

CAS #	Parameter	30257	NV	30257	NV	30257	NV	30257	NV		
121-14-2	2,4-Dinitrotoluene	430.	U	390.	U	460.	U	410.	U		
132-64-9	Dibenzofuran	200.	J	390.	U	65.	J	410.	U		
84-66-2	Diethylphthalate	430.	U	390.	U	460.	U	410.	U		
7005-72-3	4-Chlorophenylphenylether	430.	U	390.	U	460.	U	410.	U		
86-73-7	Fluorene	86.	J	390.	U	460.	U	410.	U		
100-01-6	4-Nitroaniline	2100.	U	1900.	U	2200.	U	2000.	U		
534-52-1	2-Methyl-4,6-Dinitrophenol	2100.	U	1900.	U	2200.	U	2000.	U		
86-30-6	N-Nitrosodiphenylamine	430.	U	390.	U	460.	U	410.	U		
101-55-3	4-Bromophenyl-phenylether	430.	U	390.	U	460.	U	410.	U		
118-74-1	Hexachlorobenzene	430.	U	390.	U	460.	U	410.	U		
87-86-5	Pentachlorophenol	82.	J	1900.	U	2200.	U	2000.	U		
85-01-8	Phenanthrene	1400.		70.	J	230.	J	160.	J		
120-12-7	Anthracene	850.		51.	J	460.	U	410.	U		
84-74-2	Di-n-butylphthalate	430.	U	390.	U	460.	U	410.	U		
206-44-0	Fluoranthene	4200.		270.	J	170.	J	170.	J		
129-00-0	Pyrene	4800.		350.	J	140.	J	140.	J		
85-68-7	Butylbenzylphthalate	430.	U	390.	U	460.	U	410.	U		
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	92.	J	40.	J	460.	U	410.	U		
91-94-1	3,3'-Dichlorobenzidine	860.	U	780.	U	930.	U	810.	U		
56-55-3	Benzo(a)anthracene	1900.		130.	J	79.	J	150.	J		
218-01-9	Chrysene	3300.		270.	J	130.	J	230.	J		
117-84-0	Di-n-octyl phthalate	430.	U	390.	U	460.	U	410.	U		
205-99-2	Benzo(b)fluoranthene	4700.		320.	J	110.	J	220.	J		
207-08-9	Benzo(k)fluoranthene	2900.		210.	J	79.	J	170.	J		
50-32-8	Benzo(a)pyrene	2600.		140.	J	67.	J	160.	J		
193-39-5	Indeno(1,2,3-cd)pyrene	1600.		120.	J	460.	U	67.	J		
53-70-3	Dibenz(a,h)anthracene	790.		47.	J	460.	U	410.	U		
191-24-2	Benzo(g,h,i)perylene	1600.		130.	J	460.	U	65.	J		
108-60-1	2,2'-oxybis(1-Chloropropane)	430.	U	390.	U	460.	U	410.	U		

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846 DIOX							
	SAMPLE ID ------->	522-C-B003-01	700-C-B003-01				
	ORIGINAL ID ----->	522CB00301	700CB00301				
	LAB SAMPLE ID --->	25918.01	25888.01				
	ID FROM REPORT -->	522CB00301	700CB00301				
	SAMPLE DATE ----->	06/06/96	06/05/96				
	DATE EXTRACTED -->	06/12/96	06/12/96				
	DATE ANALYZED --->	06/18/96	06/18/96				
	MATRIX ---------->	Soil	Soil				
	UNITS ----------->	NG/KG	NG/KG				

CAS #	Parameter	25887	VAL	25887	VAL				
1746-01-6	2378-TCDD	0.391	U	1.16	U				
40321-76-4	12378-PeCDD	0.404	U	1.15	U				
39227-28-6	123478-HxCDD	0.525	U	1.68	U				
57653-85-7	123678-HxCDD	0.329	U	1.05	U				
19408-74-3	123789-HxCDD	0.381	U	1.22	U				
35822-46-9	1234678-HpCDD	0.378	U	147.					
3268-87-9	OCDD	8.64		932.					
51207-31-9	2378-TCDF	0.167	U	2.29	U				
57117-41-6	12378-PeCDF	0.205	U	2.09	U				
57117-31-4	23478-PeCDF	0.206	U	2.1	U				
70648-26-9	123478-HxCDF	0.152	U	3.04	EMPC				
57117-44-9	123678-HxCDF	0.097	U	0.58	U				
72918-21-9	123789-HxCDF	0.149	U	0.894	U				
60851-34-5	234678-HxCDF	0.146	U	0.872	U				
67562-39-4	1234678-HpCDF	0.215	U	27.7					
55673-89-7	1234789-HpCDF	0.258	U	3.68	U				
39001-02-0	OCDF	0.285	U	48.9					
41903-57-5	Total Tetra-Dioxins	1.27		1.16	U				
36088-22-9	Total Penta-Dioxins	0.404	U	1.15	U				
34465-46-8	Total Hexa-Dioxins	1.84		54.2					
37871-00-4	Total Hepta-Dioxins	1.67		545.					
55722-27-5	Total Tetra-Furans	0.167	U	2.29	U				
30602-15-4	Total Penta-Furans	0.206	U	17.6					
55684-94-1	Total Hexa-Furans	0.097	U	28.8					
38998-75-3	Total Hepta-Furans	0.215	U	27.7					

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846 META						
SAMPLE ID ------->	522-S-B001-01	522-S-B001-02	522-S-B002-01	522-S-B002-02	522-S-B003-01	522-C-B003-01
ORIGINAL ID ----->	522SB00101	522SB00102	522SB00201	522SB00202	522SB00301	522CB00301
LAB SAMPLE ID --->	25917.11	25917.12	25917.13	25917.14	25917.15	25918.01
ID FROM REPORT -->	522SB00101	522SB00102	522SB00201	522SB00202	522SB00301	522CB00301
SAMPLE DATE ----->	06/06/96	06/06/96	06/06/96	06/06/96	06/06/96	06/06/96
DATE EXTRACTED -->	06/21/96	06/21/96	06/21/96	06/21/96	06/21/96	06/20/96
DATE ANALYZED --->	07/03/96	07/03/96	07/03/96	07/03/96	07/03/96	06/27/96
MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
UNITS ---------->	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG

CAS #	Parameter	25887	VAL	25887	VAL	25887	VAL	25887	VAL	25887	VAL	25887	VAL
7429-90-5	Aluminum (Al)	2300.		2860.		4060.		5120.		3930.		4390.	
7440-36-0	Antimony (Sb)	3.2	UJ	3.6	UJ	3.2	UJ	3.5	UJ	3.3	UJ	0.68	U
7440-38-2	Arsenic (As)	2.9		5.4		3.8		2.5		4.1		4.6	
7440-39-3	Barium (Ba)	12.3	U	15.4	U	26.8	U	18.4	U	17.	U	19.6	U
7440-41-7	Beryllium (Be)	0.11	J	0.13	J	0.23		0.24		0.19	J	0.26	
7440-43-9	Cadmium (Cd)	0.04	U	0.05	U	0.04	U	0.05	U	0.1	J	0.15	
7440-70-2	Calcium (Ca)	405.	U	392.	U	2230.	J	590.	U	5860.	J	18900.	J
7440-47-3	Chromium (Cr)	51.7	J	11.9	J	18.7	J	17.2	J	7.4	J	15.	J
7440-48-4	Cobalt (Co)	0.32	U	0.36	U	0.63	J	0.41	J	0.43	J	0.75	
7440-50-8	Copper (Cu)	1.1	U	0.88	U	6.		1.1	U	1.9	U	3.9	
7439-89-6	Iron (Fe)	2940.	J	3840.	J	2730.	J	3440.	J	3270.	J	3280.	
7439-92-1	Lead (Pb)	4.6	J	2.2	J	23.	J	4.5	J	11.6	J	21.4	
7439-95-4	Magnesium (Mg)	480.	J	368.	J	646.	J	491.	J	531.	J	1200.	J
7439-96-5	Manganese (Mn)	24.2	J	8.5	J	34.8	J	22.4	J	15.2	J	23.2	
7439-97-6	Mercury (Hg)	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
7440-02-0	Nickel (Ni)	1.	U	0.83	U	2.3	U	1.6	U	2.4	U	4.	U
7440-09-7	Potassium (K)	214.	U	240.	U	215.	U	236.	U	222.	U	238.	U
7782-49-2	Selenium (Se)	0.32	UJ	0.36	UJ	0.32	UJ	0.35	UJ	0.33	UJ	0.55	U
7440-22-4	Silver (Ag)	0.2	U	0.23	U	0.2	U	0.22	U	0.21	U	0.22	U
7440-23-5	Sodium (Na)	48.2	U	53.9	U	53.5	U	53.2	U	99.	U	230.	U
7440-28-0	Thallium (Tl)	0.36	UJ	0.41	UJ	0.37	UJ	0.4	UJ	0.38	UJ	0.55	U
7440-31-5	Tin (Sn)	0.54	U	0.79	U	0.92	U	0.8	U	0.66	U	2.3	U
7440-62-2	Vanadium (V)	3.2		7.1		4.4		3.9		5.3		7.6	
7440-66-6	Zinc (Zn)	4.	U	3.9	U	17.4		5.9	U	7.3	U	14.9	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846 META													
	SAMPLE ID ------->	522-S-B003-02		522-S-B004-01		522-S-B004-02		522-S-B005-01		522-S-B005-02		700-S-B001-01	
	ORIGINAL ID ----->	522SB00302		522SB00401		522SB00402		522SB00501		522SB00502		700SB00101	
	LAB SAMPLE ID --->	25917.16		25917.05		25917.06		25917.07		25917.10		25887.03	
	ID FROM REPORT -->	522SB00302		522SB00401		522SB00402		522SB00501		522SB00502		700SB00101	
	SAMPLE DATE ----->	06/06/96		06/06/96		06/06/96		06/06/96		06/06/96		06/05/96	
	DATE EXTRACTED -->	06/21/96		06/21/96		06/21/96		06/21/96		06/21/96		06/21/96	
	DATE ANALYZED --->	07/03/96		07/03/96		07/03/96		07/03/96		07/03/96		07/03/96	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	25887	VAL	25887	VAL	25887	VAL	25887	VAL	25887	VAL	25887	VAL
7429-90-5	Aluminum (Al)	1830.		4740.		3150.		3910.		1980.		3050.	
7440-36-0	Antimony (Sb)	3.7	UJ	5.1	UJ	3.6	UJ	3.3	UJ	3.6	UJ	3.4	UJ
7440-38-2	Arsenic (As)	11.8		3.4		4.5		2.8		3.1		9.3	
7440-39-3	Barium (Ba)	6.3	U	28.5	U	11.5	U	18.6	U	15.8	U	10.8	U
7440-41-7	Beryllium (Be)	0.11	J	0.19	J	0.12	J	0.16	J	0.09	J	0.18	J
7440-43-9	Cadmium (Cd)	0.05	U	0.07	U	0.05	U	0.04	U	0.05	U	0.42	J
7440-70-2	Calcium (Ca)	362.	U	647.	U	386.	U	1030.	U	229.	U	20000.	J
7440-47-3	Chromium (Cr)	8.9	J	17.	J	11.4	J	72.7	J	8.2	J	59.8	J
7440-48-4	Cobalt (Co)	0.37	U	0.62	J	0.36	U	1.1	J	0.36	U	1.	J
7440-50-8	Copper (Cu)	0.53	U	1.8	U	1.1	U	1.7	U	0.62	U	21.	
7439-89-6	Iron (Fe)	5960.	J	4810.	J	3710.	J	3460.	J	2540.	J	2490.	J
7439-92-1	Lead (Pb)	2.	J	5.	J	3.	J	5.3	J	1.6	J	42.8	J
7439-95-4	Magnesium (Mg)	170.	J	673.	J	341.	J	2060.	J	271.	J	379.	J
7439-96-5	Manganese (Mn)	3.7	U	34.2	J	10.9	J	26.5	J	8.	J	29.4	J
7439-97-6	Mercury (Hg)	0.04	U	0.06	U	0.04	U	0.04	U	0.04	U	0.04	U
7440-02-0	Nickel (Ni)	0.44	U	2.5	U	1.2	U	1.9	U	0.9	U	4.1	U
7440-09-7	Potassium (K)	244.	U	338.	U	237.	U	218.	U	242.	U	229.	U
7782-49-2	Selenium (Se)	0.37	UJ	0.51	UJ	0.36	UJ	0.33	UJ	0.36	UJ	0.34	UJ
7440-22-4	Silver (Ag)	0.23	U	0.32	U	0.23	U	0.21	U	0.23	U	0.22	U
7440-23-5	Sodium (Na)	54.8	U	76.	U	53.4	U	53.6	U	54.5	U	56.4	U
7440-28-0	Thallium (Tl)	0.66	J	0.57	UJ	0.4	UJ	0.37	UJ	0.41	UJ	0.39	UJ
7440-31-5	Tin (Sn)	0.78	U	0.86	U	1.3	U	0.74	U	0.61	U	2.	U
7440-62-2	Vanadium (V)	12.9		6.2		8.		4.7		4.3		4.1	
7440-66-6	Zinc (Zn)	2.4	U	6.9	U	4.3	U	7.3	U	2.8	U	152.	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846 META	SAMPLE ID ------->	700-S-B001-02	700-S-B002-01	700-S-B002-02	700-S-B003-01	700-C-B003-01	700-S-B003-02
	ORIGINAL ID ----->	700SB00102	700SB00201	700SB00202	700SB00301	700CB00301	700SB00302
	LAB SAMPLE ID --->	25887.04	25887.05	25887.06	25887.01	25888.01	25887.02
	ID FROM REPORT -->	700SB00102	700SB00201	700SB00202	700SB00301	700CB00301	700SB00302
	SAMPLE DATE ----->	06/05/96	06/05/96	06/05/96	06/05/96	06/05/96	06/05/96
	DATE EXTRACTED -->	06/21/96	06/21/96	06/21/96	06/21/96	06/20/96	06/21/96
	DATE ANALYZED --->	07/03/96	07/03/96	07/03/96	07/03/96	06/27/96	07/03/96
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG

CAS #	Parameter	25887	VAL	25887	VAL	25887	VAL	25887	VAL	25887	VAL	25887	VAL
7429-90-5	Aluminum (Al)	2340.		3040.		3350.		2800.		3820.		880.	
7440-36-0	Antimony (Sb)	3.9	UJ	3.3	UJ	4.7	J	3.2	UJ	1.8	U	3.9	UJ
7440-38-2	Arsenic (As)	17.4		3.2		13.		9.5		8.		3.8	
7440-39-3	Barium (Ba)	12.8	U	22.8	U	90.8	U	26.9	U	23.2	U	9.1	U
7440-41-7	Beryllium (Be)	0.73		0.17	J	0.72		0.3		0.27		0.12	J
7440-43-9	Cadmium (Cd)	0.19	J	0.58		0.56	J	0.92		1.3		0.29	J
7440-70-2	Calcium (Ca)	1200.		80200.	J	8710.	J	25600.	J	38000.		2670.	J
7440-47-3	Chromium (Cr)	66.9	J	61.6	J	280.	J	20.9	J	21.8		66.6	J
7440-48-4	Cobalt (Co)	1.7	J	2.4		12.8		3.4		1.6		1.5	J
7440-50-8	Copper (Cu)	31.3		4.7		53.		21.4		18.3		92.4	
7439-89-6	Iron (Fe)	4560.	J	2030.	J	8740.	J	3970.	J	4950.		3010.	J
7439-92-1	Lead (Pb)	25.5	J	27.5	J	327.	J	50.7	J	58.4		58.9	J
7439-95-4	Magnesium (Mg)	240.	J	1020.	J	267.	J	770.	J	821.		121.	J
7439-96-5	Manganese (Mn)	20.9	J	71.4	J	53.5	J	45.7	J	67.4		15.4	J
7439-97-6	Mercury (Hg)	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
7440-02-0	Nickel (Ni)	11.8		4.	U	31.		6.4		7.1		35.7	
7440-09-7	Potassium (K)	263.	U	223.	U	252.	U	221.	U	275.	U	260.	U
7782-49-2	Selenium (Se)	0.55	J	0.33	UJ	0.38	J	1.6	J	0.53	U	0.42	J
7440-22-4	Silver (Ag)	0.25	U	0.21	U	0.24	U	0.2	U	0.21	U	0.25	U
7440-23-5	Sodium (Na)	59.9	U	77.1	U	115.	U	138.	U	134.	U	79.	U
7440-28-0	Thallium (Tl)	0.45	UJ	0.38	UJ	0.43	UJ	2.	J	0.53	U	0.44	UJ
7440-31-5	Tin (Sn)	1.4	U	1.	U	1.9	U	6.4	U	3.6	U	1.1	U
7440-62-2	Vanadium (V)	3.9		4.4		9.7		8.7		11.1		2.9	
7440-66-6	Zinc (Zn)	105.		89.5		583.		202.		184.		267.	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846 META									
	SAMPLE ID ------->	700-S-B004-01		700-S-B004-02		700-S-B005-01		700-S-B005-02			
	ORIGINAL ID ----->	700SB00401		700SB00402		700SB00501		700SB00502			
	LAB SAMPLE ID --->	25917.03		25917.04		25917.01		25917.02			
	ID FROM REPORT -->	700SB00401		700SB00402		700SB00501		700SB00502			
	SAMPLE DATE ----->	06/06/96		06/06/96		06/06/96		06/06/96			
	DATE EXTRACTED -->	06/21/96		06/21/96		06/21/96		06/21/96			
	DATE ANALYZED --->	07/03/96		07/03/96		07/03/96		07/03/96			
	MATRIX ---------->	Soil		Soil		Soil		Soil			
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG			
CAS #	Parameter	25887	VAL	25887	VAL	25887	VAL	25887	VAL		
7429-90-5	Aluminum (Al)	2650.		965.		3450.		3490.			
7440-36-0	Antimony (Sb)	3.3	UJ	3.7	UJ	3.5	UJ	4.5	UJ		
7440-38-2	Arsenic (As)	3.		2.3		14.3		7.3			
7440-39-3	Barium (Ba)	15.1	U	6.8	U	35.4	U	23.5	U		
7440-41-7	Beryllium (Be)	0.14	J	0.1	J	0.27		0.19	J		
7440-43-9	Cadmium (Cd)	0.38	J	0.21	J	0.14	J	0.14	J		
7440-70-2	Calcium (Ca)	721.	U	3270.	J	863.	U	3940.	J		
7440-47-3	Chromium (Cr)	39.1	J	28.6	J	224.	J	140.	J		
7440-48-4	Cobalt (Co)	0.64	J	0.45	J	2.5		1.7	J		
7440-50-8	Copper (Cu)	7.5		13.8		31.1		23.			
7439-89-6	Iron (Fe)	3780.	J	2750.	J	6640.	J	4340.	J		
7439-92-1	Lead (Pb)	27.3	J	16.2	J	55.3	J	32.1	J		
7439-95-4	Magnesium (Mg)	145.	J	103.	U	115.	J	251.	J		
7439-96-5	Manganese (Mn)	25.8	J	13.9	J	44.8	J	45.3	J		
7439-97-6	Mercury (Hg)	0.04		0.04	U	0.04	U	0.05	U		
7440-02-0	Nickel (Ni)	2.4	U	1.9	U	6.8		5.3	J		
7440-09-7	Potassium (K)	219.	U	244.	U	230.	U	298.	U		
7782-49-2	Selenium (Se)	0.33	UJ	0.37	UJ	0.35	UJ	0.45	UJ		
7440-22-4	Silver (Ag)	0.21	U	0.23	U	0.22	U	0.28	U		
7440-23-5	Sodium (Na)	49.3	U	54.8	U	58.4	U	67.	U		
7440-28-0	Thallium (Tl)	0.37	UJ	0.41	UJ	0.39	UJ	0.51	UJ		
7440-31-5	Tin (Sn)	1.3	U	1.1	U	1.6	U	1.5	U		
7440-62-2	Vanadium (V)	4.5		2.	J	8.1		6.2			
7440-66-6	Zinc (Zn)	99.6		119.		309.		209.			

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846 OP P							
	SAMPLE ID ------->	522-C-B003-01		700-C-B003-01			
	ORIGINAL ID ----->	522CB00301		700CB00301			
	LAB SAMPLE ID --->	25918.01		25888.01			
	ID FROM REPORT -->	522CB00301		700CB00301			
	SAMPLE DATE ----->	06/06/96		06/05/96			
	DATE EXTRACTED -->	06/07/96		06/07/96			
	DATE ANALYZED --->	06/18/96		06/18/96			
	MATRIX ---------->	Soil		Soil			
	UNITS ----------->	UG/KG		UG/KG			
CAS #	Parameter	25887	VAL	25887	VAL		
298-02-2	Phorate	74.	U	71.	U		
298-04-4	Disulfoton	132.	U	127.	U		
298-00-0	Methyl parathion	19.	U	18.	U		

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846 PEST													
	SAMPLE ID ------->	522-S-B001-01		522-S-B001-02		522-S-B002-01		522-S-B002-02		522-S-B003-01		522-S-B003-02	
	ORIGINAL ID ----->	522SB00101		522SB00102		522SB00201		522SB00202		522SB00301		522SB00302	
	LAB SAMPLE ID --->	25917.11		25917.12		25917.13		25917.14		25917.15		25917.16	
	ID FROM REPORT -->	522SB00101		522SB00102		522SB00201		522SB00202		522SB00301		522SB00302	
	SAMPLE DATE ----->	06/06/96		06/06/96		06/06/96		06/06/96		06/06/96		06/06/96	
	DATE EXTRACTED -->	06/14/96		06/14/96		06/14/96		06/14/96		06/14/96		06/14/96	
	DATE ANALYZED --->	07/03/96		07/03/96		07/05/96		07/03/96		07/10/96		07/03/96	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	25887	VAL	25887	VAL	25887	VAL	25887	VAL	25887	VAL	25887	VAL
319-84-6	alpha-BHC	1.4	U	1.5	U	1.4	U	1.5	U	1.4	U	1.6	UJ
319-85-7	beta-BHC	1.4	U	1.5	U	1.4	U	1.5	U	1.4	U	1.6	UJ
319-86-8	delta-BHC	1.4	U	1.5	U	1.4	U	3.		1.4	U	1.6	UJ
58-89-9	gamma-BHC (Lindane)	1.4	U	1.5	U	1.4	U	1.5	U	1.4	U	1.6	UJ
76-44-8	Heptachlor	1.4	U	1.5	U	1.4	U	1.5	U	1.4	U	1.6	U
309-00-2	Aldrin	1.4	U	1.5	U	1.4	U	1.5	U	1.4	U	1.6	UJ
1024-57-3	Heptachlor epoxide	1.4	U	1.5	U	1.4	U	1.5	U	1.4	U	1.6	U
959-98-8	Endosulfan I	1.4	U	1.5	U	1.4	U	1.5	U	1.4	U	1.6	U
60-57-1	Dieldrin	2.7	U	3.	U	2.7	U	2.9	U	2.8	U	3.	U
72-55-9	4,4'-DDE	2.7	U	3.	U	2.7	U	2.9	U	2.8	U	3.	U
72-20-8	Endrin	2.7	U	3.	U	2.7	UR	2.9	U	2.8	U	3.	UJ
33213-65-9	Endosulfan II	2.7	U	3.	U	2.7	U	2.9	U	2.8	U	3.	U
72-54-8	4,4'-DDD	2.7	U	3.	U	2.7	U	2.9	U	2.8	U	3.	U
1031-07-8	Endosulfan sulfate	2.7	UJ	3.	UJ	2.7	U	2.9	UJ	2.8	U	3.	UJ
50-29-3	4,4'-DDT	2.7	U	3.	U	2.7	U	2.9	U	2.8	U	3.	UJ
72-43-5	Methoxychlor	14.	U	15.	U	14.	U	15.	U	14.	U	16.	U
53494-70-5	Endrin ketone	2.7	U	3.	U	2.7	U	2.9	U	2.8	U	3.	U
7421-93-4	Endrin aldehyde	2.7	U	3.	U	2.7	U	2.9	U	2.8	U	3.	U
5103-71-9	alpha-Chlordane	1.4	U	1.5	U	1.4	U	1.5	U	1.4	U	1.6	U
5103-74-2	gamma-Chlordane	1.4	UJ	1.5	UJ	1.4	U	1.5	UJ	1.4	U	1.6	UJ
8001-35-2	Toxaphene	89.	U	99.	U	89.	U	98.	U	92.	U	100.	U
12674-11-2	Aroclor-1016	35.	U	39.	U	35.	U	39.	U	37.	U	40.	U
11104-28-2	Aroclor-1221	35.	U	39.	U	35.	U	39.	U	37.	U	40.	U
11141-16-5	Aroclor-1232	35.	U	39.	U	35.	U	39.	U	37.	U	40.	U
53469-21-9	Aroclor-1242	35.	U	39.	U	35.	U	39.	U	37.	U	40.	U
12672-29-6	Aroclor-1248	35.	U	39.	U	35.	U	39.	U	37.	U	40.	U
11097-69-1	Aroclor-1254	72.	U	80.	U	72.	U	79.	U	74.	U	82.	U
11096-82-5	Aroclor-1260	72.	U	80.	U	72.	U	79.	U	74.	U	82.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846 PEST						
SAMPLE ID ------>	522-S-B004-01	522-S-B004-02	522-S-B005-01	522-S-B005-02	700-S-B001-01	700-S-B001-02
ORIGINAL ID ----->	522SB00401	522SB00402	522SB00501	522SB00502	700SB00101	700SB00102
LAB SAMPLE ID --->	25917.05	25917.06	25917.07	25917.10	25887.03	25887.04
ID FROM REPORT -->	522SB00401	522SB00402	522SB00501	522SB00502	700SB00101	700SB00102
SAMPLE DATE ----->	06/06/96	06/06/96	06/06/96	06/06/96	06/05/96	06/05/96
DATE EXTRACTED -->	06/14/96	06/14/96	06/14/96	06/14/96	06/13/96	06/13/96
DATE ANALYZED --->	07/02/96	07/02/96	07/05/96	07/03/96	06/28/96	06/27/96
MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	25887	VAL	25887	VAL	25887	VAL	25887	VAL	25887	VAL	25887	VAL
319-84-6	alpha-BHC	2.2	U	1.5	U	1.4	U	1.6	U	1.5	UJ	1.7	U
319-85-7	beta-BHC	2.2	U	1.5	U	1.4	U	1.6	U	1.5	UJ	1.7	UJ
319-86-8	delta-BHC	2.2	U	1.5	U	3.	UJ	1.6	U	1.5	UJ	1.7	U
58-89-9	gamma-BHC (Lindane)	2.2	U	1.5	U	1.4	U	1.6	U	1.5	UJ	1.7	U
76-44-8	Heptachlor	2.2	U	1.5	U	1.4	U	1.6	U	1.5	UJ	1.7	U
309-00-2	Aldrin	2.2	U	1.5	U	1.4	U	1.6	U	1.5	UJ	1.7	U
1024-57-3	Heptachlor epoxide	2.2	U	1.5	U	2.3	J	1.6	U	1.5	UJ	1.7	U
959-98-8	Endosulfan I	2.2	U	1.5	U	1.4	U	1.6	U	1.5	UJ	1.7	U
60-57-1	Dieldrin	4.2	U	3.	U	2.7	U	3.	U	2.9	UJ	3.3	U
72-55-9	4,4'-DDE	4.2	U	3.	U	8.5	J	3.	U	24.	J	5.3	
72-20-8	Endrin	4.2	U	3.	U	5.	UR	3.	U	2.9	UJ	3.3	U
33213-65-9	Endosulfan II	4.2	U	3.	U	2.7	U	3.	U	2.9	UJ	3.3	U
72-54-8	4,4'-DDD	4.2	U	3.	U	2.7	U	3.	U	2.9	UJ	8.1	
1031-07-8	Endosulfan sulfate	4.2	U	3.	U	2.7	U	3.	UJ	2.9	UJ	3.3	U
50-29-3	4,4'-DDT	4.2	U	3.	U	3.4	J	3.	U	24.	J	3.9	
72-43-5	Methoxychlor	22.	U	15.	U	14.	U	16.	U	15.	UJ	17.	U
53494-70-5	Endrin ketone	4.2	U	3.	U	2.7	UJ	3.	U	2.9	UJ	3.3	U
7421-93-4	Endrin aldehyde	4.2	U	3.	U	2.7	U	3.	U	2.9	UJ	3.3	U
5103-71-9	alpha-Chlordane	2.2	U	1.5	U	1.4	U	1.6	U	1.5	UJ	1.7	U
5103-74-2	gamma-Chlordane	2.2	U	1.5	U	4.6	J	1.6	UJ	3.	UJ	1.7	U
8001-35-2	Toxaphene	140.	U	99.	U	90.	U	100.	U	95.	UJ	110.	U
12674-11-2	Aroclor-1016	56.	U	39.	U	36.	U	40.	U	38.	UJ	43.	U
11104-28-2	Aroclor-1221	56.	U	39.	U	36.	U	40.	U	38.	UJ	43.	U
11141-16-5	Aroclor-1232	56.	U	39.	U	36.	U	40.	U	38.	UJ	43.	U
53469-21-9	Aroclor-1242	56.	U	39.	U	36.	U	40.	U	38.	UJ	43.	U
12672-29-6	Aroclor-1248	56.	U	39.	U	36.	U	40.	U	38.	UJ	43.	U
11097-69-1	Aroclor-1254	110.	U	80.	U	73.	U	82.	U	77.	UJ	88.	U
11096-82-5	Aroclor-1260	110.	U	80.	U	73.	U	82.	U	77.	UJ	88.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846 PEST													
	SAMPLE ID ------->	700-S-B002-01		700-S-B002-02		700-S-B003-01		700-S-B003-02		700-S-B004-01		700-S-B004-02	
	ORIGINAL ID ----->	700SB00201		700SB00202		700SB00301		700SB00302		700SB00401		700SB00402	
	LAB SAMPLE ID --->	25887.05		25887.06		25887.01		25887.02		25917.03		25917.04	
	ID FROM REPORT -->	700SB00201		700SB00202		700SB00301		700SB00302		700SB00401		700SB00402	
	SAMPLE DATE ----->	06/05/96		06/05/96		06/05/96		06/05/96		06/06/96		06/06/96	
	DATE EXTRACTED -->	06/13/96		06/13/96		06/13/96		06/13/96		06/14/96		06/14/96	
	DATE ANALYZED --->	06/28/96		06/27/96		06/28/96		06/28/96		07/05/96		07/03/96	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	25887	VAL	25887	VAL	25887	VAL	25887	VAL	25887	VAL	25887	VAL
319-84-6	alpha-BHC	1.4	U	1.6	U	1.4	U	1.7	UJ	1.4	U	1.6	U
319-85-7	beta-BHC	1.4	UJ	1.6	UJ	1.4	UJ	1.7	UJ	1.4	U	1.6	U
319-86-8	delta-BHC	1.4	U	1.6	U	1.4	U	1.7	UJ	3.	U	1.6	U
58-89-9	gamma-BHC (Lindane)	1.4	U	1.6	U	1.4	U	1.7	UJ	1.4	U	1.6	U
76-44-8	Heptachlor	1.4	U	1.6	U	1.7		1.7	UJ	1.4	U	1.6	U
309-00-2	Aldrin	1.4	U	1.6	U	1.4	U	1.7	UJ	1.4	U	1.6	U
1024-57-3	Heptachlor epoxide	1.4	U	1.6	U	3.2		1.7	UJ	1.4	U	1.6	U
959-98-8	Endosulfan I	1.4	U	1.6	U	1.4	U	1.7	UJ	1.4	U	1.6	U
60-57-1	Dieldrin	2.8	U	3.1	U	2.7	U	3.2	UJ	2.7	U	5.	U
72-55-9	4,4'-DDE	28.		4.		29.		4.	UJ	2.9	J	6.2	J
72-20-8	Endrin	2.8	U	3.1	U	2.7	U	3.2	UJ	2.7	UR	3.	U
33213-65-9	Endosulfan II	2.8	U	3.1	U	2.7	U	3.2	UJ	2.7	U	3.	U
72-54-8	4,4'-DDD	2.8	U	3.1	U	13.	J	3.2	UJ	2.7	U	13.	J
1031-07-8	Endosulfan sulfate	2.8	U	3.1	U	2.7	U	3.2	UJ	2.7	U	3.	UJ
50-29-3	4,4'-DDT	22.	J	9.4		26.	J	8.5	J	2.7	U	5.4	J
72-43-5	Methoxychlor	14.	UJ	16.	U	14.	UJ	17.	UJ	14.	U	16.	U
53494-70-5	Endrin ketone	2.8	U	3.1	U	2.7	U	3.2	UJ	2.7	U	3.	U
7421-93-4	Endrin aldehyde	2.8	U	3.1	U	2.7	U	3.2	UJ	2.7	U	3.	U
5103-71-9	alpha-Chlordane	2.2	J	1.6	U	4.2	J	1.7	UJ	1.4	U	1.6	U
5103-74-2	gamma-Chlordane	6.5		2.	U	6.	U	3.	UJ	3.4	J	1.6	UJ
8001-35-2	Toxaphene	92.	U	100.	U	89.	U	110.	UJ	91.	U	100.	U
12674-11-2	Aroclor-1016	37.	U	41.	U	35.	U	43.	UJ	36.	U	40.	U
11104-28-2	Aroclor-1221	37.	U	41.	U	35.	U	43.	UJ	36.	U	40.	U
11141-16-5	Aroclor-1232	37.	U	41.	U	35.	U	43.	UJ	36.	U	40.	U
53469-21-9	Aroclor-1242	37.	U	41.	U	35.	U	43.	UJ	36.	U	40.	U
12672-29-6	Aroclor-1248	37.	U	41.	U	35.	U	43.	UJ	36.	U	40.	U
11097-69-1	Aroclor-1254	74.	U	84.	U	72.	U	87.	UJ	74.	U	82.	U
11096-82-5	Aroclor-1260	74.	U	84.	U	72.	U	87.	UJ	74.	U	82.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846 PEST								
	SAMPLE ID ------->	700-S-B005-01		700-S-B005-02				
	ORIGINAL ID ----->	700SB00501		700SB00502				
	LAB SAMPLE ID --->	25917.01		25917.02				
	ID FROM REPORT -->	700SB00501		700SB00502				
	SAMPLE DATE ----->	06/06/96		06/06/96				
	DATE EXTRACTED -->	06/14/96		06/14/96				
	DATE ANALYZED --->	07/03/96		07/03/96				
	MATRIX ---------->	Soil		Soil				
	UNITS ----------->	UG/KG		UG/KG				
CAS #	Parameter	25887	VAL	25887	VAL			
319-84-6	alpha-BHC	1.5	U	1.9	U			
319-85-7	beta-BHC	1.5	U	1.9	U			
319-86-8	delta-BHC	4.	U	9.	U			
58-89-9	gamma-BHC (Lindane)	1.5	U	1.9	U			
76-44-8	Heptachlor	1.5	U	1.9	U			
309-00-2	Aldrin	1.5	U	1.9	U			
1024-57-3	Heptachlor epoxide	1.5	U	1.9	U			
959-98-8	Endosulfan I	1.5	U	1.9	U			
60-57-1	Dieldrin	5.9	J	9.2	J			
72-55-9	4,4'-DDE	61.	D	25.	J			
72-20-8	Endrin	8.1	J	3.7	U			
33213-65-9	Endosulfan II	2.9	U	3.7	U			
72-54-8	4,4'-DDD	2.9	U	3.7	U			
1031-07-8	Endosulfan sulfate	2.9	UJ	3.7	UJ			
50-29-3	4,4'-DDT	77.	D	34.	J			
72-43-5	Methoxychlor	15.	U	19.	U			
53494-70-5	Endrin ketone	2.9	U	3.7	U			
7421-93-4	Endrin aldehyde	2.9	U	3.7	U			
5103-71-9	alpha-Chlordane	1.5	U	1.9	U			
5103-74-2	gamma-Chlordane	1.5	UJ	1.9	UJ			
8001-35-2	Toxaphene	95.	U	120.	U			
12674-11-2	Aroclor-1016	38.	U	49.	U			
11104-28-2	Aroclor-1221	38.	U	49.	U			
11141-16-5	Aroclor-1232	38.	U	49.	U			
53469-21-9	Aroclor-1242	38.	U	49.	U			
12672-29-6	Aroclor-1248	38.	U	49.	U			
11097-69-1	Aroclor-1254	77.	U	100.	U			
11096-82-5	Aroclor-1260	77.	U	100.	U			

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846 SVOA	SAMPLE ID ------->	522-S-B001-01	522-S-B001-02	522-S-B002-01	522-S-B002-02	522-S-B003-01	522-S-B003-02
	ORIGINAL ID ----->	522SB00101	522SB00102	522SB00201	522SB00202	522SB00301	522SB00302
	LAB SAMPLE ID --->	25917.11	25917.12	25917.13	25917.14	25917.15	25917.16
	ID FROM REPORT -->	522SB00101	522SB00102	522SB00201	522SB00202	522SB00301	522SB00302
	SAMPLE DATE ----->	06/06/96	06/06/96	06/06/96	06/06/96	06/06/96	06/06/96
	DATE EXTRACTED -->	06/14/96	06/14/96	06/14/96	06/14/96	06/14/96	06/14/96
	DATE ANALYZED --->	06/26/96	06/26/96	06/26/96	06/26/96	06/27/96	06/27/96
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ----------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	25887	VAL	25887	VAL	25887	VAL	25887	VAL	25887	VAL	25887	VAL
108-95-2	Phenol	350.	U	390.	U	350.	U	390.	U	370.	U	400.	U
111-44-4	bis(2-Chloroethyl)ether	350.	U	390.	U	350.	U	390.	U	370.	U	400.	U
95-57-8	2-Chlorophenol	350.	U	390.	U	350.	U	390.	U	370.	U	400.	U
541-73-1	1,3-Dichlorobenzene	350.	U	390.	U	350.	U	390.	U	370.	U	400.	U
106-46-7	1,4-Dichlorobenzene	350.	U	390.	U	350.	U	390.	U	370.	U	400.	U
100-51-6	Benzyl alcohol	350.	U	390.	U	350.	U	390.	U	370.	U	400.	U
95-50-1	1,2-Dichlorobenzene	350.	U	390.	U	350.	U	390.	U	370.	U	400.	U
95-48-7	2-Methylphenol (o-Cresol)	350.	U	390.	U	350.	U	390.	U	370.	U	400.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	350.	U	390.	U	350.	U	390.	U	370.	U	400.	U
106-44-5	4-Methylphenol (p-Cresol)	350.	U	390.	U	350.	U	390.	U	370.	U	400.	U
621-64-7	N-Nitroso-di-n-propylamine	350.	U	390.	U	350.	U	390.	U	370.	U	400.	U
67-72-1	Hexachloroethane	350.	U	390.	U	350.	U	390.	U	370.	U	400.	U
98-95-3	Nitrobenzene	350.	U	390.	U	350.	U	390.	U	370.	U	400.	U
78-59-1	Isophorone	350.	U	390.	U	350.	U	390.	U	370.	U	400.	U
88-75-5	2-Nitrophenol	350.	U	390.	U	350.	U	390.	U	370.	U	400.	U
105-67-9	2,4-Dimethylphenol	350.	U	390.	U	350.	U	390.	U	370.	U	400.	U
65-85-0	Benzoic acid	1700.	U	1900.	U	1700.	U	1900.	U	1800.	U	2000.	U
111-91-1	bis(2-Chloroethoxy)methane	350.	U	390.	U	350.	U	390.	U	370.	U	400.	U
120-83-2	2,4-Dichlorophenol	350.	U	390.	U	350.	U	390.	U	370.	U	400.	U
120-82-1	1,2,4-Trichlorobenzene	350.	U	390.	U	350.	U	390.	U	370.	U	400.	U
91-20-3	Naphthalene	350.	U	390.	U	350.	U	390.	U	370.	U	400.	U
106-47-8	4-Chloroaniline	350.	U	390.	U	350.	U	390.	U	370.	U	400.	U
87-68-3	Hexachlorobutadiene	350.	U	390.	U	350.	U	390.	U	370.	U	400.	U
59-50-7	4-Chloro-3-methylphenol	350.	U	390.	U	350.	U	390.	U	370.	U	400.	U
91-57-6	2-Methylnaphthalene	350.	U	390.	U	350.	U	390.	U	370.	U	400.	U
77-47-4	Hexachlorocyclopentadiene	350.	U	390.	U	350.	U	390.	U	370.	U	400.	U
88-06-2	2,4,6-Trichlorophenol	350.	U	390.	U	350.	U	390.	U	370.	U	400.	U
95-95-4	2,4,5-Trichlorophenol	1700.	U	1900.	U	1700.	U	1900.	U	1800.	U	2000.	U
91-58-7	2-Chloronaphthalene	350.	U	390.	U	350.	U	390.	U	370.	U	400.	U
88-74-4	2-Nitroaniline	1700.	U	1900.	U	1700.	U	1900.	U	1800.	U	2000.	U
131-11-3	Dimethyl phthalate	350.	U	390.	U	350.	U	390.	U	370.	U	400.	U
208-96-8	Acenaphthylene	350.	U	390.	U	350.	U	390.	U	370.	U	400.	U
99-09-2	3-Nitroaniline	1700.	U	1900.	U	1700.	U	1900.	U	1800.	U	2000.	U
83-32-9	Acenaphthene	350.	U	390.	U	350.	U	390.	U	370.	U	400.	U
51-28-5	2,4-Dinitrophenol	1700.	U	1900.	U	1700.	U	1900.	U	1800.	U	2000.	U
100-02-7	4-Nitrophenol	1700.	U	1900.	U	1700.	U	1900.	U	1800.	U	2000.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846 SVOA													
	SAMPLE ID ------>	522-S-B001-01		522-S-B001-02		522-S-B002-01		522-S-B002-02		522-S-B003-01		522-S-B003-02	
	ORIGINAL ID ----->	522SB00101		522SB00102		522SB00201		522SB00202		522SB00301		522SB00302	
	LAB SAMPLE ID --->	25917.11		25917.12		25917.13		25917.14		25917.15		25917.16	
	ID FROM REPORT -->	522SB00101		522SB00102		522SB00201		522SB00202		522SB00301		522SB00302	
	SAMPLE DATE ----->	06/06/96		06/06/96		06/06/96		06/06/96		06/06/96		06/06/96	
	DATE EXTRACTED -->	06/14/96		06/14/96		06/14/96		06/14/96		06/14/96		06/14/96	
	DATE ANALYZED --->	06/26/96		06/26/96		06/26/96		06/26/96		06/27/96		06/27/96	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	25887	VAL	25887	VAL	25887	VAL	25887	VAL	25887	VAL	25887	VAL
132-64-9	Dibenzofuran	350.	U	390.	U	350.	U	390.	U	370.	U	400.	U
121-14-2	2,4-Dinitrotoluene	350.	U	390.	U	350.	U	390.	U	370.	U	400.	U
606-20-2	2,6-Dinitrotoluene	350.	U	390.	U	350.	U	390.	U	370.	U	400.	U
84-66-2	Diethylphthalate	350.	U	390.	U	350.	U	390.	U	370.	U	400.	U
7005-72-3	4-Chlorophenylphenylether	350.	U	390.	U	350.	U	390.	U	370.	U	400.	U
86-73-7	Fluorene	350.	U	390.	U	350.	U	390.	U	370.	U	400.	U
100-01-6	4-Nitroaniline	1700.	U	1900.	U	1700.	U	1900.	U	1800.	U	2000.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	1700.	U	1900.	U	1700.	U	1900.	U	1800.	U	2000.	U
86-30-6	N-Nitrosodiphenylamine	350.	U	390.	U	350.	U	390.	U	370.	U	400.	U
101-55-3	4-Bromophenyl-phenylether	350.	U	390.	U	350.	U	390.	U	370.	U	400.	U
118-74-1	Hexachlorobenzene	350.	U	390.	U	350.	U	390.	U	370.	U	400.	U
87-86-5	Pentachlorophenol	1700.	U	1900.	U	1700.	U	1900.	U	1800.	U	2000.	U
85-01-8	Phenanthrene	350.	U	390.	U	40.	J	390.	U	370.	U	400.	U
120-12-7	Anthracene	350.	U	390.	U	350.	U	390.	U	370.	U	400.	U
84-74-2	Di-n-butylphthalate	350.	U	390.	U	350.	U	390.	U	370.	U	400.	U
206-44-0	Fluoranthene	350.	U	390.	U	350.	U	390.	U	370.	U	400.	U
129-00-0	Pyrene	350.	U	390.	U	350.	U	390.	U	370.	U	400.	U
85-68-7	Butylbenzylphthalate	350.	U	390.	U	350.	U	390.	U	370.	U	400.	U
91-94-1	3,3'-Dichlorobenzidine	710.	U	780.	U	710.	U	780.	U	730.	U	800.	U
56-55-3	Benzo(a)anthracene	350.	U	390.	U	350.	U	390.	U	370.	U	400.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	350.	U	390.	U	350.	U	390.	U	370.	U	400.	U
218-01-9	Chrysene	350.	U	390.	U	52.	J	390.	U	370.	U	400.	U
117-84-0	Di-n-octyl phthalate	350.	U	390.	U	350.	U	390.	U	370.	U	400.	U
205-99-2	Benzo(b)fluoranthene	350.	U	390.	U	350.	U	390.	U	370.	U	400.	U
207-08-9	Benzo(k)fluoranthene	350.	U	390.	U	350.	U	390.	U	370.	U	400.	U
50-32-8	Benzo(a)pyrene	350.	U	390.	U	350.	U	390.	U	370.	U	400.	U
193-39-5	Indeno(1,2,3-cd)pyrene	350.	U	390.	U	350.	U	390.	U	370.	U	400.	U
53-70-3	Dibenz(a,h)anthracene	350.	U	390.	U	350.	U	390.	U	370.	U	400.	U
191-24-2	Benzo(g,h,i)perylene	350.	U	390.	U	350.	U	390.	U	370.	U	400.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846 SVOA	SAMPLE ID ------->	522-S-B004-01	522-S-B004-02	522-S-B005-01	522-S-B005-02	700-S-B001-01	700-S-B001-02
	ORIGINAL ID ----->	522SB00401	522SB00402	522SB00501	522SB00502	700SB00101	700SB00102
	LAB SAMPLE ID --->	25917.05	25917.06	25917.07	25917.10	25887.03	25887.04
	ID FROM REPORT -->	522SB00401	522SB00402	522SB00501	522SB00502	700SB00101	700SB00102
	SAMPLE DATE ----->	06/06/96	06/06/96	06/06/96	06/06/96	06/05/96	06/05/96
	DATE EXTRACTED -->	06/14/96	06/14/96	06/14/96	06/14/96	06/13/96	06/13/96
	DATE ANALYZED --->	06/26/96	06/26/96	06/26/96	06/26/96	06/24/96	06/24/96
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ----------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	25887	VAL	25887	VAL	25887	VAL	25887	VAL	25887	VAL	25887	VAL
108-95-2	Phenol	560.	U	390.	U	360.	U	400.	U	380.	U	430.	U
111-44-4	bis(2-Chloroethyl)ether	560.	U	390.	U	360.	U	400.	U	380.	U	430.	U
95-57-8	2-Chlorophenol	560.	U	390.	U	360.	U	400.	U	380.	U	430.	U
541-73-1	1,3-Dichlorobenzene	560.	U	390.	U	360.	U	400.	U	380.	U	430.	U
106-46-7	1,4-Dichlorobenzene	560.	U	390.	U	360.	U	400.	U	380.	U	430.	U
100-51-6	Benzyl alcohol	560.	U	390.	U	360.	U	400.	U	380.	U	430.	U
95-50-1	1,2-Dichlorobenzene	560.	U	390.	U	360.	U	400.	U	380.	U	430.	U
95-48-7	2-Methylphenol (o-Cresol)	560.	U	390.	U	360.	U	400.	U	380.	U	430.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	560.	U	390.	U	360.	U	400.	U	380.	U	430.	U
106-44-5	4-Methylphenol (p-Cresol)	560.	U	390.	U	360.	U	400.	U	42.	J	430.	U
621-64-7	N-Nitroso-di-n-propylamine	560.	U	390.	U	360.	U	400.	U	380.	U	430.	U
67-72-1	Hexachloroethane	560.	U	390.	U	360.	U	400.	U	380.	U	430.	U
98-95-3	Nitrobenzene	560.	U	390.	U	360.	U	400.	U	380.	U	430.	U
78-59-1	Isophorone	560.	U	390.	U	360.	U	400.	U	380.	U	430.	U
88-75-5	2-Nitrophenol	560.	U	390.	U	360.	U	400.	U	380.	U	430.	U
105-67-9	2,4-Dimethylphenol	560.	U	390.	U	360.	U	400.	U	380.	U	430.	U
65-85-0	Benzoic acid	2700.	U	1900.	U	1700.	U	2000.	U	1800.	U	80.	J
111-91-1	bis(2-Chloroethoxy)methane	560.	U	390.	U	360.	U	400.	U	380.	U	430.	U
120-83-2	2,4-Dichlorophenol	560.	U	390.	U	360.	U	400.	U	380.	U	430.	U
120-82-1	1,2,4-Trichlorobenzene	560.	U	390.	U	360.	U	400.	U	380.	U	430.	U
91-20-3	Naphthalene	560.	U	390.	U	360.	U	400.	U	300.	J	49.	J
106-47-8	4-Chloroaniline	560.	U	390.	U	360.	U	400.	U	380.	U	430.	U
87-68-3	Hexachlorobutadiene	560.	U	390.	U	360.	U	400.	U	380.	U	430.	U
59-50-7	4-Chloro-3-methylphenol	560.	U	390.	U	360.	U	400.	U	380.	U	430.	U
91-57-6	2-Methylnaphthalene	560.	U	390.	U	360.	U	400.	U	400.		90.	J
77-47-4	Hexachlorocyclopentadiene	560.	U	390.	U	360.	U	400.	U	380.	U	430.	U
88-06-2	2,4,6-Trichlorophenol	560.	U	390.	U	360.	U	400.	U	380.	U	430.	U
95-95-4	2,4,5-Trichlorophenol	2700.	U	1900.	U	1700.	U	2000.	U	1800.	U	2100.	U
91-58-7	2-Chloronaphthalene	560.	U	390.	U	360.	U	400.	U	380.	U	430.	U
88-74-4	2-Nitroaniline	2700.	U	1900.	U	1700.	U	2000.	U	1800.	U	2100.	U
131-11-3	Dimethyl phthalate	560.	U	390.	U	360.	U	400.	U	380.	U	430.	U
208-96-8	Acenaphthylene	560.	U	390.	U	360.	U	400.	U	380.	U	430.	U
99-09-2	3-Nitroaniline	2700.	U	1900.	U	1700.	U	2000.	U	1800.	U	2100.	U
83-32-9	Acenaphthene	560.	U	390.	U	360.	U	400.	U	380.	U	430.	U
51-28-5	2,4-Dinitrophenol	2700.	U	1900.	U	1700.	U	2000.	U	1800.	U	2100.	U
100-02-7	4-Nitrophenol	2700.	U	1900.	U	1700.	U	2000.	U	1800.	U	2100.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846 SVOA	SAMPLE ID ------->	522-S-B004-01		522-S-B004-02		522-S-B005-01		522-S-B005-02		700-S-B001-01		700-S-B001-02	
	ORIGINAL ID ----->	522SB00401		522SB00402		522SB00501		522SB00502		700SB00101		700SB00102	
	LAB SAMPLE ID --->	25917.05		25917.06		25917.07		25917.10		25887.03		25887.04	
	ID FROM REPORT -->	522SB00401		522SB00402		522SB00501		522SB00502		700SB00101		700SB00102	
	SAMPLE DATE ----->	06/06/96		06/06/96		06/06/96		06/06/96		06/05/96		06/05/96	
	DATE EXTRACTED -->	06/14/96		06/14/96		06/14/96		06/14/96		06/13/96		06/13/96	
	DATE ANALYZED --->	06/26/96		06/26/96		06/26/96		06/26/96		06/24/96		06/24/96	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	25887	VAL	25887	VAL	25887	VAL	25887	VAL	25887	VAL	25887	VAL
132-64-9	Dibenzofuran	560.	U	390.	U	360.	U	400.	U	170.	J	430.	U
121-14-2	2,4-Dinitrotoluene	560.	U	390.	U	360.	U	400.	U	380.	U	430.	U
606-20-2	2,6-Dinitrotoluene	560.	U	390.	U	360.	U	400.	U	380.	U	430.	U
84-66-2	Diethylphthalate	560.	U	390.	U	360.	U	400.	U	380.	U	430.	U
7005-72-3	4-Chlorophenylphenylether	560.	U	390.	U	360.	U	400.	U	380.	U	430.	U
86-73-7	Fluorene	560.	U	390.	U	360.	U	400.	U	380.	U	430.	U
100-01-6	4-Nitroaniline	2700.	U	1900.	U	1700.	U	2000.	U	1800.	U	2100.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	2700.	U	1900.	U	1700.	U	2000.	U	1800.	U	2100.	U
86-30-6	N-Nitrosodiphenylamine	560.	U	390.	U	360.	U	400.	U	380.	U	430.	U
101-55-3	4-Bromophenyl-phenylether	560.	U	390.	U	360.	U	400.	U	380.	U	430.	U
118-74-1	Hexachlorobenzene	560.	U	390.	U	360.	U	400.	U	380.	U	430.	U
87-86-5	Pentachlorophenol	2700.	U	1900.	U	1700.	U	2000.	U	1800.	U	2100.	U
85-01-8	Phenanthrene	560.	U	390.	U	360.	U	400.	U	450.		120.	J
120-12-7	Anthracene	560.	U	390.	U	360.	U	400.	U	43.	J	430.	U
84-74-2	Di-n-butylphthalate	560.	U	390.	U	360.	U	400.	U	380.	U	430.	U
206-44-0	Fluoranthene	560.	U	390.	U	360.	U	400.	U	230.	J	130.	J
129-00-0	Pyrene	560.	U	390.	U	360.	U	400.	U	230.	J	94.	J
85-68-7	Butylbenzylphthalate	560.	U	390.	U	360.	U	400.	U	380.	U	430.	U
91-94-1	3,3'-Dichlorobenzidine	1100.	U	780.	U	720.	U	800.	U	760.	U	870.	U
56-55-3	Benzo(a)anthracene	560.	U	390.	U	360.	U	400.	U	140.	J	55.	J
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	560.	U	390.	U	360.	U	400.	U	81.	J	430.	U
218-01-9	Chrysene	560.	U	390.	U	360.	U	400.	U	230.	J	91.	J
117-84-0	Di-n-octyl phthalate	560.	U	390.	U	360.	U	400.	U	380.	U	430.	U
205-99-2	Benzo(b)fluoranthene	560.	U	390.	U	360.	U	400.	U	170.	J	80.	J
207-08-9	Benzo(k)fluoranthene	560.	U	390.	U	360.	U	400.	U	120.	J	61.	J
50-32-8	Benzo(a)pyrene	560.	U	390.	U	360.	U	400.	U	120.	J	52.	J
193-39-5	Indeno(1,2,3-cd)pyrene	560.	U	390.	U	360.	U	400.	U	63.	J	44.	J
53-70-3	Dibenz(a,h)anthracene	560.	U	390.	U	360.	U	400.	U	380.	U	430.	U
191-24-2	Benzo(g,h,i)perylene	560.	U	390.	U	360.	U	400.	U	79.	J	430.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846 SVOA													
	SAMPLE ID ------>	700-S-B002-01		700-S-B002-02		700-S-B003-01		700-S-B003-02		700-S-B004-01		700-S-B004-02	
	ORIGINAL ID ----->	700SB00201		700SB00202		700SB00301		700SB00302		700SB00401		700SB00402	
	LAB SAMPLE ID --->	25887.05		25887.06		25887.01		25887.02		25917.03		25917.04	
	ID FROM REPORT -->	700SB00201		700SB00202		700SB00301		700SB00302		700SB00401		700SB00402	
	SAMPLE DATE ----->	06/05/96		06/05/96		06/05/96		06/05/96		06/06/96		06/06/96	
	DATE EXTRACTED -->	06/13/96		06/13/96		06/13/96		06/13/96		06/14/96		06/14/96	
	DATE ANALYZED --->	06/24/96		06/24/96		06/24/96		06/24/96		06/27/96		06/26/96	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	25887	VAL	25887	VAL	25887	VAL	25887	VAL	25887	VAL	25887	VAL
108-95-2	Phenol	370.	U	410.	U	350.	U	430.	U	360.	U	400.	U
111-44-4	bis(2-Chloroethyl)ether	370.	U	410.	U	350.	U	430.	U	360.	U	400.	U
95-57-8	2-Chlorophenol	370.	U	410.	U	350.	U	430.	U	360.	U	400.	U
541-73-1	1,3-Dichlorobenzene	370.	U	410.	U	350.	U	430.	U	360.	U	400.	U
106-46-7	1,4-Dichlorobenzene	370.	U	410.	U	350.	U	430.	U	360.	U	400.	U
100-51-6	Benzyl alcohol	370.	U	410.	U	350.	U	430.	U	360.	U	400.	U
95-50-1	1,2-Dichlorobenzene	370.	U	410.	U	350.	U	430.	U	360.	U	400.	U
95-48-7	2-Methylphenol (o-Cresol)	370.	U	410.	U	350.	U	430.	U	360.	U	400.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	370.	U	410.	U	350.	U	430.	U	360.	U	400.	U
106-44-5	4-Methylphenol (p-Cresol)	370.	U	410.	U	350.	U	430.	U	360.	U	400.	U
621-64-7	N-Nitroso-di-n-propylamine	370.	U	410.	U	350.	U	430.	U	360.	U	400.	U
67-72-1	Hexachloroethane	370.	U	410.	U	350.	U	430.	U	360.	U	400.	U
98-95-3	Nitrobenzene	370.	U	410.	U	350.	U	430.	U	360.	U	400.	U
78-59-1	Isophorone	370.	U	410.	U	350.	U	430.	U	360.	U	400.	U
88-75-5	2-Nitrophenol	370.	U	410.	U	350.	U	430.	U	360.	U	400.	U
105-67-9	2,4-Dimethylphenol	370.	U	410.	U	350.	U	430.	U	360.	U	400.	U
65-85-0	Benzoic acid	1800.	U	120.	J	61.	J	98.	J	1800.	U	44.	J
111-91-1	bis(2-Chloroethoxy)methane	370.	U	410.	U	350.	U	430.	U	360.	U	400.	U
120-83-2	2,4-Dichlorophenol	370.	U	410.	U	350.	U	430.	U	360.	U	400.	U
120-82-1	1,2,4-Trichlorobenzene	370.	U	410.	U	350.	U	430.	U	360.	U	400.	U
91-20-3	Naphthalene	260.	J	67.	J	59.	J	160.	J	480.		65.	J
106-47-8	4-Chloroaniline	370.	U	410.	U	350.	U	430.	U	360.	U	400.	U
87-68-3	Hexachlorobutadiene	370.	U	410.	U	350.	U	430.	U	360.	U	400.	U
59-50-7	4-Chloro-3-methylphenol	370.	U	410.	U	350.	U	430.	U	360.	U	400.	U
91-57-6	2-Methylnaphthalene	290.	J	46.	J	64.	J	210.	J	960.		100.	J
77-47-4	Hexachlorocyclopentadiene	370.	U	410.	U	350.	U	430.	U	360.	U	400.	U
88-06-2	2,4,6-Trichlorophenol	370.	U	410.	U	350.	U	430.	U	360.	U	400.	U
95-95-4	2,4,5-Trichlorophenol	1800.	U	2000.	U	1700.	U	2100.	U	1800.	U	2000.	U
91-58-7	2-Chloronaphthalene	370.	U	410.	U	350.	U	430.	U	360.	U	400.	U
88-74-4	2-Nitroaniline	1800.	U	2000.	U	1700.	U	2100.	U	1800.	U	2000.	U
131-11-3	Dimethyl phthalate	370.	U	410.	U	350.	U	430.	U	360.	U	400.	U
208-96-8	Acenaphthylene	370.	U	410.	U	350.	U	430.	U	360.	U	400.	U
99-09-2	3-Nitroaniline	1800.	U	2000.	U	1700.	U	2100.	U	1800.	U	2000.	U
83-32-9	Acenaphthene	370.	U	410.	U	350.	U	460.		360.	U	400.	U
51-28-5	2,4-Dinitrophenol	1800.	U	2000.	U	1700.	U	2100.	U	1800.	U	2000.	U
100-02-7	4-Nitrophenol	1800.	U	2000.	U	1700.	U	2100.	U	1800.	U	2000.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846 SVOA	SAMPLE ID ------->	700-S-B002-01	700-S-B002-02	700-S-B003-01	700-S-B003-02	700-S-B004-01	700-S-B004-02
	ORIGINAL ID ----->	700SB00201	700SB00202	700SB00301	700SB00302	700SB00401	700SB00402
	LAB SAMPLE ID --->	25887.05	25887.06	25887.01	25887.02	25917.03	25917.04
	ID FROM REPORT -->	700SB00201	700SB00202	700SB00301	700SB00302	700SB00401	700SB00402
	SAMPLE DATE ----->	06/05/96	06/05/96	06/05/96	06/05/96	06/06/96	06/06/96
	DATE EXTRACTED -->	06/13/96	06/13/96	06/13/96	06/13/96	06/14/96	06/14/96
	DATE ANALYZED --->	06/24/96	06/24/96	06/24/96	06/24/96	06/27/96	06/26/96
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ----------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	25887	VAL	25887	VAL	25887	VAL	25887	VAL	25887	VAL	25887	VAL
132-64-9	Dibenzofuran	87.	J	410.	U	350.	U	130.	J	230.	J	400.	U
121-14-2	2,4-Dinitrotoluene	370.	U	410.	U	350.	U	430.	U	360.	U	400.	U
606-20-2	2,6-Dinitrotoluene	370.	U	410.	U	350.	U	430.	U	360.	U	400.	U
84-66-2	Diethylphthalate	370.	U	410.	U	41.	J	430.	U	360.	U	400.	U
7005-72-3	4-Chlorophenylphenylether	370.	U	410.	U	350.	U	430.	U	360.	U	400.	U
86-73-7	Fluorene	370.	U	410.	U	350.	U	120.	J	360.	U	400.	U
100-01-6	4-Nitroaniline	1800.	U	2000.	U	1700.	U	2100.	U	1800.	U	2000.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	1800.	U	2000.	U	1700.	U	2100.	U	1800.	U	2000.	U
86-30-6	N-Nitrosodiphenylamine	370.	U	410.	U	350.	U	430.	U	360.	U	400.	U
101-55-3	4-Bromophenyl-phenylether	370.	U	410.	U	350.	U	430.	U	360.	U	400.	U
118-74-1	Hexachlorobenzene	370.	U	410.	U	350.	U	430.	U	360.	U	400.	U
87-86-5	Pentachlorophenol	1800.	U	2000.	U	1700.	U	2100.	U	1800.	U	2000.	U
85-01-8	Phenanthrene	180.	J	120.	J	95.	J	140.	J	550.		62.	J
120-12-7	Anthracene	370.	U	410.	U	350.	U	58.	J	360.	U	400.	U
84-74-2	Di-n-butylphthalate	370.	U	410.	U	350.	U	430.	U	360.	U	400.	U
206-44-0	Fluoranthene	82.	J	140.	J	150.	J	150.	J	100.	J	400.	U
129-00-0	Pyrene	76.	J	120.	J	170.	J	190.	J	150.	J	400.	U
85-68-7	Butylbenzylphthalate	370.	U	410.	U	350.	U	430.	U	360.	U	400.	U
91-94-1	3,3'-Dichlorobenzidine	730.	U	820.	U	710.	U	860.	U	720.	U	800.	U
56-55-3	Benzo(a)anthracene	48.	J	62.	J	110.	J	72.	J	110.	J	400.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	37.	J	54.	J	55.	J	51.	J	360.	U	400.	U
218-01-9	Chrysene	75.	J	120.	J	170.	J	120.	J	160.	J	400.	U
117-84-0	Di-n-octyl phthalate	370.	U	410.	U	350.	U	430.	U	360.	U	400.	U
205-99-2	Benzo(b)fluoranthene	88.	J	83.	J	200.	J	94.	J	120.	J	400.	U
207-08-9	Benzo(k)fluoranthene	56.	J	68.	J	160.	J	95.	J	71.	J	400.	U
50-32-8	Benzo(a)pyrene	51.	J	50.	J	150.	J	64.	J	69.	J	400.	U
193-39-5	Indeno(1,2,3-cd)pyrene	44.	J	410.	U	120.	J	45.	J	360.	U	400.	U
53-70-3	Dibenz(a,h)anthracene	370.	U	410.	U	40.	J	430.	U	360.	U	400.	U
191-24-2	Benzo(g,h,i)perylene	370.	U	410.	U	130.	J	430.	U	60.	J	400.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846 SVOA							
	SAMPLE ID ------->	700-S-B005-01		700-S-B005-02			
	ORIGINAL ID ----->	700SB00501		700SB00502			
	LAB SAMPLE ID --->	25917.01		25917.02			
	ID FROM REPORT -->	700SB00501		700SB00502			
	SAMPLE DATE ----->	06/06/96		06/06/96			
	DATE EXTRACTED -->	06/14/96		06/14/96			
	DATE ANALYZED --->	06/26/96		06/26/96			
	MATRIX ---------->	Soil		Soil			
	UNITS ----------->	UG/KG		UG/KG			
CAS #	Parameter	25887	VAL	25887	VAL		
108-95-2	Phenol	380.	U	490.	U		
111-44-4	bis(2-Chloroethyl)ether	380.	U	490.	U		
95-57-8	2-Chlorophenol	380.	U	490.	U		
541-73-1	1,3-Dichlorobenzene	380.	U	490.	U		
106-46-7	1,4-Dichlorobenzene	380.	U	490.	U		
100-51-6	Benzyl alcohol	380.	U	490.	U		
95-50-1	1,2-Dichlorobenzene	380.	U	490.	U		
95-48-7	2-Methylphenol (o-Cresol)	380.	U	490.	U		
108-60-1	2,2'-oxybis(1-Chloropropane)	380.	U	490.	U		
106-44-5	4-Methylphenol (p-Cresol)	380.	U	490.	U		
621-64-7	N-Nitroso-di-n-propylamine	380.	U	490.	U		
67-72-1	Hexachloroethane	380.	U	490.	U		
98-95-3	Nitrobenzene	380.	U	490.	U		
78-59-1	Isophorone	380.	U	490.	U		
88-75-5	2-Nitrophenol	380.	U	490.	U		
105-67-9	2,4-Dimethylphenol	380.	U	490.	U		
65-85-0	Benzoic acid	78.	J	51.	J		
111-91-1	bis(2-Chloroethoxy)methane	380.	U	490.	U		
120-83-2	2,4-Dichlorophenol	380.	U	490.	U		
120-82-1	1,2,4-Trichlorobenzene	380.	U	490.	U		
91-20-3	Naphthalene	110.	J	490.	U		
106-47-8	4-Chloroaniline	380.	U	490.	U		
87-68-3	Hexachlorobutadiene	380.	U	490.	U		
59-50-7	4-Chloro-3-methylphenol	380.	U	490.	U		
91-57-6	2-Methylnaphthalene	190.	J	64.	J		
77-47-4	Hexachlorocyclopentadiene	380.	U	490.	U		
88-06-2	2,4,6-Trichlorophenol	380.	U	490.	U		
95-95-4	2,4,5-Trichlorophenol	1800.	U	2400.	U		
91-58-7	2-Chloronaphthalene	380.	U	490.	U		
88-74-4	2-Nitroaniline	1800.	U	2400.	U		
131-11-3	Dimethyl phthalate	380.	U	490.	U		
208-96-8	Acenaphthylene	380.	U	490.	U		
99-09-2	3-Nitroaniline	1800.	U	2400.	U		
83-32-9	Acenaphthene	380.	U	490.	U		
51-28-5	2,4-Dinitrophenol	1800.	U	2400.	U		
100-02-7	4-Nitrophenol	1800.	U	2400.	U		

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846 SVOA							
	SAMPLE ID ------->	700-S-B005-01		700-S-B005-02			
	ORIGINAL ID ----->	700SB00501		700SB00502			
	LAB SAMPLE ID --->	25917.01		25917.02			
	ID FROM REPORT -->	700SB00501		700SB00502			
	SAMPLE DATE ----->	06/06/96		06/06/96			
	DATE EXTRACTED -->	06/14/96		06/14/96			
	DATE ANALYZED --->	06/26/96		06/26/96			
	MATRIX ---------->	Soil		Soil			
	UNITS ----------->	UG/KG		UG/KG			
CAS #	Parameter	25887	VAL	25887	VAL		
132-64-9	Dibenzofuran	92.	J	490.	U		
121-14-2	2,4-Dinitrotoluene	380.	U	490.	U		
606-20-2	2,6-Dinitrotoluene	380.	U	490.	U		
84-66-2	Diethylphthalate	380.	U	490.	U		
7005-72-3	4-Chlorophenylphenylether	380.	U	490.	U		
86-73-7	Fluorene	380.	U	490.	U		
100-01-6	4-Nitroaniline	1800.	U	2400.	U		
534-52-1	2-Methyl-4,6-Dinitrophenol	1800.	U	2400.	U		
86-30-6	N-Nitrosodiphenylamine	380.	U	490.	U		
101-55-3	4-Bromophenyl-phenylether	380.	U	490.	U		
118-74-1	Hexachlorobenzene	380.	U	490.	U		
87-86-5	Pentachlorophenol	1800.	U	2400.	U		
85-01-8	Phenanthrene	410.		130.	J		
120-12-7	Anthracene	380.	U	490.	U		
84-74-2	Di-n-butylphthalate	380.	U	490.	U		
206-44-0	Fluoranthene	480.		180.	J		
129-00-0	Pyrene	360.	J	140.	J		
85-68-7	Butylbenzylphthalate	380.	U	490.	U		
91-94-1	3,3'-Dichlorobenzidine	760.	U	980.	U		
56-55-3	Benzo(a)anthracene	110.	J	53.	J		
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	380.	U	490.	U		
218-01-9	Chrysene	340.	J	120.	J		
117-84-0	Di-n-octyl phthalate	380.	U	490.	U		
205-99-2	Benzo(b)fluoranthene	280.	J	92.	J		
207-08-9	Benzo(k)fluoranthene	170.	J	81.	J		
50-32-8	Benzo(a)pyrene	71.	J	490.	U		
193-39-5	Indeno(1,2,3-cd)pyrene	48.	J	490.	U		
53-70-3	Dibenz(a,h)anthracene	380.	U	490.	U		
191-24-2	Benzo(g,h,i)perylene	47.	J	490.	U		

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846 VOA	SAMPLE ID ------->	522-S-B001-01		522-S-B001-02		522-S-B002-01		522-S-B002-02 RE		522-S-B003-01 RE		522-S-B003-02	
	ORIGINAL ID ----->	522SB00101		522SB00102		522SB00201		522SB00202		522SB00301		522SB00302	
	LAB SAMPLE ID --->	25917.11		25917.12		25917.13		25917.14		25917.15		25917.16	
	ID FROM REPORT -->	522SB00101		522SB00102		522SB00201		522SB00202		522SB00301		522SB00302	
	SAMPLE DATE ----->	06/06/96		06/06/96		06/06/96		06/06/96		06/06/96		06/06/96	
	DATE ANALYZED --->	06/19/96		06/19/96		06/19/96		06/19/96		06/19/96		06/19/96	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	25887	VAL	25887	VAL	25887	VAL	25887	VAL	25887	VAL	25887	VAL
74-87-3	Chloromethane	11.	UJ	12.	UJ	11.	UJ	12.	U	11.	U	12.	UJ
74-83-9	Bromomethane	11.	U	12.	U	11.	UJ	12.	U	11.	U	12.	U
75-01-4	Vinyl chloride	11.	U	12.	U	11.	UJ	12.	U	11.	U	12.	U
75-00-3	Chloroethane	11.	U	12.	U	11.	UJ	12.	U	11.	U	12.	U
75-09-2	Methylene chloride	34.		40.		50.	J	9.	J	6.	U	29.	
67-64-1	Acetone	11.	UJ	12.	UJ	11.	UJ	12.	U	14.	U	12.	UJ
75-15-0	Carbon disulfide	5.	U	6.	U	5.	UJ	6.	U	6.	U	6.	U
75-35-4	1,1-Dichloroethene	5.	U	6.	U	5.	UJ	6.	U	6.	U	6.	UJ
75-34-3	1,1-Dichloroethane	5.	U	6.	U	5.	UJ	6.	U	6.	U	6.	U
540-59-0	1,2-Dichloroethene (total)	5.	U	6.	U	5.	UJ	6.	U	6.	U	6.	U
67-66-3	Chloroform	5.	U	6.	U	5.	UJ	6.	U	6.	U	6.	U
107-06-2	1,2-Dichloroethane	5.	U	6.	U	5.	UJ	6.	U	6.	U	6.	U
78-93-3	2-Butanone (MEK)	11.	UJ	12.	UJ	11.	UJ	12.	U	11.	U	12.	UJ
71-55-6	1,1,1-Trichloroethane	5.	U	6.	U	5.	UJ	6.	UJ	6.	UJ	6.	U
56-23-5	Carbon tetrachloride	5.	U	6.	U	5.	UJ	6.	UJ	6.	UJ	6.	U
108-05-4	Vinyl acetate	11.	UJ	12.	UJ	11.	UJ	12.	UJ	11.	UJ	12.	UJ
75-27-4	Bromodichloromethane	5.	U	6.	U	5.	UJ	6.	UJ	6.	UJ	6.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U	6.	U	5.	UJ	6.	UJ	6.	UJ	6.	U
78-87-5	1,2-Dichloropropane	5.	U	6.	U	5.	UJ	6.	UJ	6.	UJ	6.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U	6.	U	5.	UJ	6.	UJ	6.	UJ	6.	U
79-01-6	Trichloroethene	5.	U	6.	U	5.	UJ	6.	UJ	3.	UJ	6.	U
124-48-1	Dibromochloromethane	5.	U	6.	U	5.	UJ	6.	UJ	6.	UJ	6.	U
79-00-5	1,1,2-Trichloroethane	5.	U	6.	U	5.	UJ	6.	UJ	6.	UJ	6.	U
71-43-2	Benzene	5.	U	6.	U	5.	UJ	6.	UJ	6.	UJ	6.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U	6.	U	5.	UJ	6.	UJ	6.	UJ	6.	U
110-75-8	2-Chloroethyl vinyl ether	11.	UR	12.	UR	11.	UR	12.	UR	11.	UR	12.	UR
75-25-2	Bromoform	5.	U	6.	U	5.	UJ	6.	UJ	6.	UJ	6.	U
591-78-6	2-Hexanone	11.	UJ	12.	UJ	11.	UJ	12.	UJ	11.	UJ	12.	UJ
108-10-1	4-Methyl-2-Pentanone (MIBK)	11.	UJ	12.	UJ	11.	UJ	12.	UJ	11.	UJ	12.	UJ
127-18-4	Tetrachloroethene	5.	U	6.	U	5.	UJ	6.	UJ	6.	UJ	6.	U
108-88-3	Toluene	5.	U	6.	U	5.	UJ	6.	UJ	6.	UJ	6.	U
108-90-7	Chlorobenzene	5.	U	6.	U	5.	UJ	6.	UJ	6.	UJ	6.	U
100-41-4	Ethylbenzene	5.	U	6.	U	5.	UJ	6.	UJ	6.	UJ	6.	U
100-42-5	Styrene	5.	U	6.	U	5.	UJ	6.	UJ	6.	UJ	6.	U
1330-20-7	Xylene (Total)	5.	U	6.	U	5.	UJ	6.	UJ	6.	UJ	6.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846 VOA	SAMPLE ID ------->	522-S-B004-01	522-S-B004-02	522-S-B005-01	522-S-B005-02	700-S-B001-01	700-S-B001-02
	ORIGINAL ID ----->	522SB00401	522SB00402	522SB00501	522SB00502	700SB00101	700SB00102
	LAB SAMPLE ID --->	25917.05	25917.06	25917.07	25917.10	25887.03	25887.04
	ID FROM REPORT -->	522SB00401	522SB00402	522SB00501	522SB00502	700SB00101	700SB00102
	SAMPLE DATE ----->	06/06/96	06/06/96	06/06/96	06/06/96	06/05/96	06/05/96
	DATE ANALYZED --->	06/19/96	06/19/96	06/19/96	06/19/96	06/12/96	06/12/96
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	25887	VAL	25887	VAL	25887	VAL	25887	VAL	25887	VAL	25887	VAL
74-87-3	Chloromethane	17.	U	12.	UJ	11.	U	12.	U	11.	U	13.	U
74-83-9	Bromomethane	17.	UJ	12.	U	11.	UJ	12.	U	11.	UJ	13.	UJ
75-01-4	Vinyl chloride	17.	U	12.	U	11.	U	12.	U	11.	U	13.	U
75-00-3	Chloroethane	17.	U	12.	U	11.	U	12.	U	11.	UJ	13.	UJ
75-09-2	Methylene chloride	27.		23.		21.	U	6.	U	10.	U	21.	U
67-64-1	Acetone	17.	UJ	12.	UJ	11.	UJ	12.	U	11.	U	13.	U
75-15-0	Carbon disulfide	8.	U	6.	U	5.	U	6.	U	6.	U	6.	U
75-35-4	1,1-Dichloroethene	8.	U	6.	U	5.	U	6.	U	6.	U	6.	U
75-34-3	1,1-Dichloroethane	8.	U	6.	U	5.	U	6.	U	6.	U	6.	U
540-59-0	1,2-Dichloroethene (total)	8.	U	6.	U	5.	U	6.	U	6.	U	6.	U
67-66-3	Chloroform	8.	U	6.	U	5.	U	6.	U	6.	U	6.	U
107-06-2	1,2-Dichloroethane	8.	U	6.	U	5.	U	6.	U	6.	U	6.	U
78-93-3	2-Butanone (MEK)	17.	UJ	12.	UJ	11.	UJ	12.	U	11.	U	13.	U
71-55-6	1,1,1-Trichloroethane	8.	U	6.	U	5.	U	6.	U	6.	UJ	6.	UJ
56-23-5	Carbon tetrachloride	8.	U	6.	U	5.	U	6.	U	6.	UJ	6.	UJ
108-05-4	Vinyl acetate	17.	UJ	12.	UJ	11.	UJ	12.	U	11.	UJ	13.	UJ
75-27-4	Bromodichloromethane	8.	U	6.	U	5.	U	6.	U	6.	U	6.	U
79-34-5	1,1,2,2-Tetrachloroethane	8.	U	6.	U	5.	U	6.	U	6.	U	6.	U
78-87-5	1,2-Dichloropropane	8.	U	6.	U	5.	U	6.	U	6.	U	6.	U
10061-02-6	trans-1,3-Dichloropropene	8.	U	6.	U	5.	U	6.	U	6.	U	6.	U
79-01-6	Trichloroethene	8.	J	6.	U	3.	J	6.	U	6.	U	2.	J
124-48-1	Dibromochloromethane	8.	U	6.	U	5.	U	6.	U	6.	UJ	6.	UJ
79-00-5	1,1,2-Trichloroethane	8.	U	6.	U	5.	U	6.	U	6.	U	6.	U
71-43-2	Benzene	8.	U	6.	U	5.	U	6.	U	6.	U	6.	U
10061-01-5	cis-1,3-Dichloropropene	8.	U	6.	U	5.	U	6.	U	6.	U	6.	U
110-75-8	2-Chloroethyl vinyl ether	17.	UR	12.	UR	11.	UR	12.	UR	11.	UR	13.	UR
75-25-2	Bromoform	8.	U	6.	U	5.	U	6.	U	6.	UJ	6.	UJ
591-78-6	2-Hexanone	17.	UJ	12.	UJ	11.	UJ	12.	U	11.	U	13.	UJ
108-10-1	4-Methyl-2-Pentanone (MIBK)	17.	UJ	12.	UJ	11.	UJ	12.	U	11.	U	13.	UJ
127-18-4	Tetrachloroethene	8.	U	6.	U	5.	U	6.	U	6.	UJ	6.	UJ
108-88-3	Toluene	8.	U	6.	U	5.	U	6.	U	6.	U	6.	UJ
108-90-7	Chlorobenzene	8.	U	6.	U	5.	U	6.	U	6.	U	6.	UJ
100-41-4	Ethylbenzene	8.	U	6.	U	5.	U	6.	U	6.	U	6.	UJ
100-42-5	Styrene	8.	U	6.	U	5.	U	6.	U	6.	U	6.	UJ
1330-20-7	Xylene (Total)	8.	U	6.	U	5.	U	6.	U	6.	U	6.	UJ

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846 VOA	SAMPLE ID ------->	700-S-B002-01		700-S-B002-02		700-S-B003-01		700-S-B003-02		700-S-B004-01 RE		700-S-B004-02	
	ORIGINAL ID ----->	700SB00201		700SB00202		700SB00301		700SB00302		700SB00401		700SB00402	
	LAB SAMPLE ID --->	25887.05		25887.06		25887.01		25887.02		25917.03		25917.04	
	ID FROM REPORT -->	700SB00201		700SB00202		700SB00301		700SB00302		700SB00401		700SB00402	
	SAMPLE DATE ----->	06/05/96		06/05/96		06/05/96		06/05/96		06/06/96		06/06/96	
	DATE ANALYZED --->	06/18/96		06/13/96		06/12/96		06/12/96		06/19/96		06/19/96	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	25887	VAL	25887	VAL	25887	VAL	25887	VAL	25887	VAL	25887	VAL
74-87-3	Chloromethane	11.	U	12.	UJ	11.	U	13.	U	11.	U	12.	UJ
74-83-9	Bromomethane	11.	U	12.	UJ	11.	UJ	13.	UJ	11.	U	12.	U
75-01-4	Vinyl chloride	11.	U	12.	UJ	11.	U	13.	U	11.	U	12.	U
75-00-3	Chloroethane	11.	U	12.	UJ	11.	UJ	13.	UJ	11.	U	12.	U
75-09-2	Methylene chloride	11.	UJ	16.	UJ	10.	U	10.	U	9.	U	30.	U
67-64-1	Acetone	11.	U	12.	UJ	11.	U	13.	U	11.	U	12.	UJ
75-15-0	Carbon disulfide	6.	UJ	6.	UJ	5.	U	6.	U	5.	U	6.	U
75-35-4	1,1-Dichloroethene	6.	U	6.	UJ	5.	U	6.	U	5.	U	6.	U
75-34-3	1,1-Dichloroethane	6.	U	6.	UJ	5.	U	6.	U	5.	U	6.	U
540-59-0	1,2-Dichloroethene (total)	6.	U	6.	UJ	5.	U	6.	U	5.	U	6.	U
67-66-3	Chloroform	6.	U	6.	UJ	5.	U	6.	U	5.	U	6.	U
107-06-2	1,2-Dichloroethane	6.	U	6.	UJ	5.	U	6.	U	5.	U	6.	U
78-93-3	2-Butanone (MEK)	11.	UJ	12.	UJ	11.	U	13.	U	11.	U	12.	UJ
71-55-6	1,1,1-Trichloroethane	6.	U	6.	UJ	5.	UJ	6.	UJ	5.	U	6.	U
56-23-5	Carbon tetrachloride	6.	U	6.	UJ	5.	UJ	6.	UJ	5.	U	6.	U
108-05-4	Vinyl acetate	11.	UJ	12.	UJ	11.	UJ	13.	UJ	11.	U	12.	UJ
75-27-4	Bromodichloromethane	6.	U	6.	UJ	5.	U	6.	U	5.	U	6.	U
79-34-5	1,1,2,2-Tetrachloroethane	6.	U	6.	UJ	5.	U	6.	U	5.	U	6.	U
78-87-5	1,2-Dichloropropane	6.	U	6.	UJ	5.	U	6.	U	5.	U	6.	U
10061-02-6	trans-1,3-Dichloropropene	6.	U	6.	UJ	5.	U	6.	U	5.	U	6.	U
79-01-6	Trichloroethene	6.	U	2.	J	3.	J	6.	U	5.	U	6.	U
124-48-1	Dibromochloromethane	6.	U	6.	UJ	5.	UJ	6.	UJ	5.	U	6.	U
79-00-5	1,1,2-Trichloroethane	6.	U	6.	UJ	5.	U	6.	U	5.	U	6.	U
71-43-2	Benzene	6.	U	6.	UJ	5.	U	6.	U	5.	U	6.	U
10061-01-5	cis-1,3-Dichloropropene	6.	U	6.	UJ	5.	U	6.	U	5.	U	6.	U
110-75-8	2-Chloroethyl vinyl ether	11.	UR	12.	UR	11.	UR	13.	UR	11.	U	12.	UR
75-25-2	Bromoform	6.	U	6.	UJ	5.	UJ	6.	UJ	5.	U	6.	U
591-78-6	2-Hexanone	11.	U	12.	UJ	11.	U	13.	U	11.	UJ	12.	UJ
108-10-1	4-Methyl-2-Pentanone (MIBK)	11.	U	12.	UJ	11.	U	13.	U	11.	UJ	12.	UJ
127-18-4	Tetrachloroethene	6.	U	6.	UJ	5.	UJ	6.	UJ	5.	UJ	6.	UJ
108-88-3	Toluene	6.	U	6.	UJ	5.	U	6.	U	5.	UJ	6.	UJ
108-90-7	Chlorobenzene	6.	U	6.	UJ	5.	U	6.	U	5.	UJ	6.	UJ
100-41-4	Ethylbenzene	6.	U	6.	UJ	5.	U	6.	U	5.	UJ	6.	UJ
100-42-5	Styrene	6.	U	6.	UJ	5.	U	6.	U	5.	UJ	6.	UJ
1330-20-7	Xylene (Total)	6.	U	6.	UJ	5.	U	6.	U	5.	UJ	6.	UJ

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846 VOA	SAMPLE ID ------->	700-S-B005-01	700-S-B005-02 RE				
	ORIGINAL ID ----->	700SB00501	700SB00502				
	LAB SAMPLE ID --->	25917.01	25917.02				
	ID FROM REPORT -->	700SB00501	700SB00502				
	SAMPLE DATE ----->	06/06/96	06/06/96				
	DATE ANALYZED --->	06/19/96	06/19/96				
	MATRIX ---------->	Soil	Soil				
	UNITS ----------->	UG/KG	UG/KG				

CAS #	Parameter	25887	VAL	25887	VAL				
74-87-3	Chloromethane	11.	UJ	15.	UJ				
74-83-9	Bromomethane	11.	U	15.	UJ				
75-01-4	Vinyl chloride	11.	U	15.	UJ				
75-00-3	Chloroethane	11.	U	15.	UJ				
75-09-2	Methylene chloride	6.	U	12.	U				
67-64-1	Acetone	11.	UJ	15.	UJ				
75-15-0	Carbon disulfide	6.	U	7.	UJ				
75-35-4	1,1-Dichloroethene	6.	U	7.	UJ				
75-34-3	1,1-Dichloroethane	6.	U	7.	UJ				
540-59-0	1,2-Dichloroethene (total)	6.	U	7.	UJ				
67-66-3	Chloroform	6.	U	7.	UJ				
107-06-2	1,2-Dichloroethane	6.	U	7.	UJ				
78-93-3	2-Butanone (MEK)	11.	UJ	15.	UJ				
71-55-6	1,1,1-Trichloroethane	6.	U	7.	U				
56-23-5	Carbon tetrachloride	6.	U	7.	U				
108-05-4	Vinyl acetate	11.	UJ	15.	U				
75-27-4	Bromodichloromethane	6.	U	7.	U				
79-34-5	1,1,2,2-Tetrachloroethane	6.	U	7.	U				
78-87-5	1,2-Dichloropropane	6.	U	7.	U				
10061-02-6	trans-1,3-Dichloropropene	6.	U	7.	U				
79-01-6	Trichloroethene	6.	U	7.	U				
124-48-1	Dibromochloromethane	6.	U	7.	U				
79-00-5	1,1,2-Trichloroethane	6.	U	7.	U				
71-43-2	Benzene	6.	U	7.	U				
10061-01-5	cis-1,3-Dichloropropene	6.	U	7.	U				
110-75-8	2-Chloroethyl vinyl ether	11.	UR	15.	U				
75-25-2	Bromoform	6.	U	7.	U				
591-78-6	2-Hexanone	11.	UJ	15.	UJ				
108-10-1	4-Methyl-2-Pentanone (MIBK)	11.	UJ	15.	UJ				
127-18-4	Tetrachloroethene	6.	U	7.	UJ				
108-88-3	Toluene	6.	U	7.	UJ				
108-90-7	Chlorobenzene	6.	U	7.	UJ				
100-41-4	Ethylbenzene	6.	U	7.	UJ				
100-42-5	Styrene	6.	U	7.	UJ				
1330-20-7	Xylene (Total)	6.	U	7.	UJ				

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-1197												
	SAMPLE ID ------->	044-S-B006-01		047-S-B005-01		047-S-B005-02		508-S-B003-01		510-S-B005-01		510-S-B005-02	
	ORIGINAL ID ----->	044SB00601		047SB00501		047SB00502		508SB00301		510SB00501		510SB00502	
	LAB SAMPLE ID --->	755139		755067		755124		754920		753682		753693	
	ID FROM REPORT -->	044SB00601		047SB00501		047SB00502		508SB00301		510SB00501		510SB00502	
	SAMPLE DATE ----->	09/13/95		09/13/95		09/13/95		09/12/95		09/07/95		09/07/95	
	DATE EXTRACTED -->	09/22/95		09/22/95		09/22/95		09/22/95		09/22/95		09/22/95	
	DATE ANALYZED --->	09/26/95		09/26/95		09/26/95		09/26/95		09/26/95		09/26/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	3021524J	VAL	3021524J	VAL	3021524J	VAL	3021524J	VAL	3021524J	VAL	3021524J	VAL
7664-41-7	Ammonia (as N)	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-1197												
	SAMPLE ID ------->| 511-S-B006-01		511-S-B006-02		515-S-B003-01		515-S-B003-02		518-S-B001-01		518-S-B001-02	
	ORIGINAL ID ----->| 511SB00601		511SB00602		515SB00301		515SB00302		518SB00101		518SB00102	
	LAB SAMPLE ID --->| 754862		754886		756883		756884		756888		756887	
	ID FROM REPORT -->| 511SB00601		511SB00602		515SB00301		515SB00302		518SB00101		518SB00102	
	SAMPLE DATE ----->| 09/12/95		09/12/95		09/18/95		09/18/95		09/18/95		09/18/95	
	DATE EXTRACTED -->| 09/22/95		09/22/95		09/22/95		09/22/95		09/22/95		09/22/95	
	DATE ANALYZED --->| 09/26/95		09/26/95		09/26/95		09/26/95		09/26/95		09/26/95	
	MATRIX ---------->| Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->| MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	3021524J	VAL	3021524J	VAL	3021524J	VAL	3021524J	VAL	3021524J	VAL	3021524J	VAL
7664-41-7	Ammonia (as N)	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-1197									
	SAMPLE ID ------>	520-S-B005-01		520-S-B005-02		GDC-S-B001-01		GDC-S-B001-02			
	ORIGINAL ID ----->	520SB00501		520SB00502		GDCSB00101		GDCSB00102			
	LAB SAMPLE ID --->	756885		756886		753694		753695			
	ID FROM REPORT -->	520SB00501		520SB00502		GDCSB00101		GDCSB00102			
	SAMPLE DATE ----->	09/18/95		09/18/95		09/07/95		09/07/95			
	DATE EXTRACTED -->	09/22/95		09/22/95		09/22/95		09/22/95			
	DATE ANALYZED --->	09/26/95		09/26/95		09/26/95		09/26/95			
	MATRIX ---------->	Soil		Soil		Soil		Soil			
	UNITS ----------->	MG/KG		MG/KG		MG/KG		MG/KG			
CAS #	Parameter	3021524J	VAL	3021524J	VAL	3021524J	VAL	3021524J	VAL		
7664-41-7	Ammonia (as N)	0.1	U	0.1	U	0.1	U	0.1	U		

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-1202												
	SAMPLE ID ------->	044-S-B006-01		047-S-B005-01		047-S-B005-02		508-S-B003-01		510-S-B005-01		510-S-B005-02	
	ORIGINAL ID ----->	044SB00601		047SB00501		047SB00502		508SB00301		510SB00501		510SB00502	
	LAB SAMPLE ID --->	755139		755067		755124		754920		753682		753693	
	ID FROM REPORT -->	044SB00601		047SB00501		047SB00502		508SB00301		510SB00501		510SB00502	
	SAMPLE DATE ----->	09/13/95		09/13/95		09/13/95		09/12/95		09/07/95		09/07/95	
	DATE EXTRACTED -->	09/22/95		09/22/95		09/22/95		09/22/95		09/22/95		09/22/95	
	DATE ANALYZED --->	09/25/95		09/25/95		09/25/95		09/25/95		09/25/95		09/25/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	3021524J	VAL	3021524J	VAL	3021524J	VAL	3021524J	VAL	3021524J	VAL	3021524J	VAL
9999000-01-1	Nitrate-Nitrite-N	0.955		0.05	U	0.849		1.03		0.05	U	0.626	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-1202												
	SAMPLE ID ------>	511-S-B006-01		511-S-B006-02		515-S-B003-01		515-S-B003-02		518-S-B001-01		518-S-B001-02
	ORIGINAL ID ----->	511SB00601		511SB00602		515SB00301		515SB00302		518SB00101		518SB00102
	LAB SAMPLE ID --->	754862		754886		756883		756884		756888		756887
	ID FROM REPORT -->	511SB00601		511SB00602		515SB00301		515SB00302		518SB00101		518SB00102
	SAMPLE DATE ----->	09/12/95		09/12/95		09/18/95		09/18/95		09/18/95		09/18/95
	DATE EXTRACTED -->	09/22/95		09/22/95		09/22/95		09/22/95		09/22/95		09/22/95
	DATE ANALYZED --->	09/25/95		09/25/95		09/25/95		09/25/95		09/25/95		09/25/95
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG
CAS #	Parameter	3021524J	VAL	3021524J	VAL	3021524J	VAL	3021524J	VAL	3021524J	VAL	3021524J VAL
9999000-01-1	Nitrate-Nitrite-N	0.796		0.711		4.28		1.4		0.05	U	0.05 U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-1202									
	SAMPLE ID ------>	520-S-B005-01		520-S-B005-02		GDC-S-B001-01		GDC-S-B001-02			
	ORIGINAL ID ----->	520SB00501		520SB00502		GDCSB00101		GDCSB00102			
	LAB SAMPLE ID --->	756885		756886		753694		753695			
	ID FROM REPORT -->	520SB00501		520SB00502		GDCSB00101		GDCSB00102			
	SAMPLE DATE ----->	09/18/95		09/18/95		09/07/95		09/07/95			
	DATE EXTRACTED -->	09/22/95		09/22/95		09/22/95		09/22/95			
	DATE ANALYZED --->	09/25/95		09/25/95		09/25/95		09/25/95			
	MATRIX ---------->	Soil		Soil		Soil		Soil			
	UNITS ----------->	MG/KG		MG/KG		MG/KG		MG/KG			
CAS #	Parameter	3021524J	VAL	3021524J	VAL	3021524J	VAL	3021524J	VAL		
9999000-01-1	Nitrate-Nitrite-N	11.5		1.3		0.05	U	0.587			

*** Validation Complete ***

CHARLESTON - ZONE C
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SW846-1300												
	SAMPLE ID ------->| 044-S-B006-01		047-S-B005-01		047-S-B005-02		508-S-B003-01		510-S-B005-01		510-S-B005-02	
	ORIGINAL ID ----->| 044SB00601		047SB00501		047SB00502		508SB00301		510SB00501		510SB00502	
	LAB SAMPLE ID --->| 755139		755067		755124		754920		753682		753693	
	ID FROM REPORT -->| 044SB00601		047SB00501		047SB00502		508SB00301		510SB00501		510SB00502	
	SAMPLE DATE ----->| 09/13/95		09/13/95		09/13/95		09/12/95		09/07/95		09/07/95	
	DATE EXTRACTED -->| 09/02/95		09/02/95		09/02/95		09/02/95		09/02/95		09/02/95	
	DATE ANALYZED --->| 09/27/95		09/27/95		09/27/95		09/27/95		09/27/95		09/27/95	
	MATRIX ---------->| Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->| MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	3021524J	VAL	3021524J	VAL	3021524J	VAL	3021524J	VAL	3021524J	VAL	3021524J	VAL
22569-71-7	Total phosphorus	2.35		2.72		2.91		2.93		3.33		6.6	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
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SW846-1300							
SAMPLE ID ------->	511-S-B006-01	511-S-B006-02	515-S-B003-01	515-S-B003-02	518-S-B001-01	518-S-B001-02
ORIGINAL ID ----->	511SB00601	511SB00602	515SB00301	515SB00302	518SB00101	518SB00102
LAB SAMPLE ID --->	754862	754886	756883	756884	756888	756887
ID FROM REPORT -->	511SB00601	511SB00602	515SB00301	515SB00302	518SB00101	518SB00102
SAMPLE DATE ----->	09/12/95	09/12/95	09/18/95	09/18/95	09/18/95	09/18/95
DATE EXTRACTED -->	09/02/95	09/02/95	09/02/95	09/02/95	09/02/95	09/02/95
DATE ANALYZED --->	09/27/95	09/27/95	09/29/95	09/29/95	09/29/95	09/29/95
MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
UNITS ----------->	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG

CAS #	Parameter	3021524J	VAL	3021524J	VAL	3021524J	VAL	3021524J	VAL	3021524J	VAL	3021524J	VAL
22569-71-7	Total phosphorus	1.78		5.88		3.43		3.48		2.18		4.49	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-1300							
	SAMPLE ID ------->	520-S-B005-01	520-S-B005-02	GDC-S-B001-01	GDC-S-B001-02		
	ORIGINAL ID ----->	520SB00501	520SB00502	GDCSB00101	GDCSB00102		
	LAB SAMPLE ID --->	756885	756886	753694	753695		
	ID FROM REPORT -->	520SB00501	520SB00502	GDCSB00101	GDCSB00102		
	SAMPLE DATE ----->	09/18/95	09/18/95	09/07/95	09/07/95		
	DATE EXTRACTED -->	09/02/95	09/02/95	09/02/95	09/02/95		
	DATE ANALYZED --->	09/29/95	09/29/95	09/27/95	09/27/95		
	MATRIX ---------->	Soil	Soil	Soil	Soil		
	UNITS ---------->	MG/KG	MG/KG	MG/KG	MG/KG		
CAS #	Parameter	3021524J VAL	3021524J VAL	3021524J VAL	3021524J VAL		
22569-71-7	Total phosphorus	6.56	1.7	3.64	4.63		

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-DIOX	SAMPLE ID ------->	044-C-B007-01	044-H-W004-01	047-C-B004-01	047-C-B009-01	047-H-W005-01	508-C-B006-01
	ORIGINAL ID ----->	044CB00701	044HW0040	047CB00401	047CB00901	047HW0050	508CB00601
	LAB SAMPLE ID --->	21548.02	22599.01	21884.04	21887.01	22600.01	21658.02
	ID FROM REPORT -->	044CB00701	044HW0040	047CB00401	047CB00901	047HW0050	508CB00601
	SAMPLE DATE ----->	03/14/95	06/13/95	04/13/95	04/14/95	06/14/95	03/21/95
	DATE EXTRACTED -->	03/16/95	06/19/95	04/18/95	04/18/95	06/19/95	03/24/95
	DATE ANALYZED --->	03/21/95	06/21/95	04/21/95	04/21/95	06/21/95	03/28/95
	MATRIX ---------->	Soil	Water	Soil	Soil	Water	Soil
	UNITS ---------->	NG/KG	PG/L	NG/KG	NG/KG	PG/L	NG/KG

CAS #	Parameter	21MAR95S	VAL	95-45	VAL	21APR95A	VAL	21APR95A	VAL	95-46	VAL	28MAR95S	VAL
1746-01-6	2378-TCDD	0.463	U	2.366	U	0.172	U	0.323	U	2.246	U	0.394	U
3268-87-9	OCDD	1288.568		163.737		79.68		246.65		17.677	EMPC	511.864	J
40321-76-4	12378-PeCDD	0.48	U	2.86	U	0.432	U	0.57	U	3.143	U	0.615	U
39227-28-6	123478-HxCDD	0.96	U	1.526	U	0.167	U	0.486	EMPC	1.305	U	0.635	U
57653-85-7	123678-HxCDD	2.795		1.403	U	0.135	U	0.663	EMPC	1.199	U	1.93	
19408-74-3	123789-HxCDD	2.894		1.277	U	0.138	U	0.727		1.092	U	0.559	U
35822-46-9	1234678-HpCDD	138.58		5.384	EMPC	4.898		21.729		0.993	U	68.565	J
51207-31-9	2378-TCDF	0.444	U	1.79	U	0.268	U	0.325	U	2.714	U	1.307	U
57117-41-6	12378-PeCDF	0.288	U	1.331	U	0.24	U	0.4	U	1.801	U	0.466	
57117-31-4	23478-PeCDF	0.288	U	1.323	U	0.236	U	0.394	U	1.79	U	0.427	U
70648-26-9	123478-HxCDF	4.5		1.2	U	8.81		11.416		1.328	U	5.446	
57117-44-9	123678-HxCDF	0.614	U	1.102	U	2.493		5.784	EMPC	1.219	U	0.587	U
72918-21-9	123789-HxCDF	0.701	U	3.29	EMPC	0.71	EMPC	0.975	U	2.815	EMPC	0.67	U
60851-34-5	234678-HxCDF	0.857		1.271	U	0.711		1.687		1.406	U	1.065	J
67562-39-4	1234678-HpCDF	20.089		1.743	U	89.4		112.325		1.27	U	37.208	J
55673-89-7	1234789-HpCDF	1.03		1.881	U	9.158	U	7.112	U	1.37	U	3.324	U
39001-02-0	OCDF	50.816		2.855	EMPC	291.722		222.084		1.853	EMPC	59.578	J
41903-57-5	Total Tetra-Dioxins	0.	U	2.366	U	1.262		0.323	U	2.246	U	0.394	U
36088-22-9	Total Penta-Dioxins	2.024		2.86	U	0.432	U	0.57	U	3.143	U	0.615	U
34465-46-8	Total Hexa-Dioxins	71.924		6.995	EMPC	4.435		9.		1.092	U	0.559	
37871-00-4	Total Hepta-Dioxins	1122.36		2.215	U	14.084		45.47		0.993	U	68.565	J
55722-27-5	Total Tetra-Furans	0.	U	1.79	U	0.268	U	0.325	U	2.714	U	2.439	J
30602-15-4	Total Penta-Furans	2.119		1.327	U	0.236	U	8.845		1.79	U	6.682	J
55684-94-1	Total Hexa-Furans	16.238		1.202	U	21.247		34.84		1.329	U	26.793	J
38998-75-3	Total Hepta-Furans	21.119		9.234	EMPC	89.4		129.581		1.318	U	3.071	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-DIOX	SAMPLE ID ------->	510-C-B005-02	511-C-B005-01	512-C-B003-01	513-C-B002-02	515-C-B006-02	517-C-B002-02
	ORIGINAL ID ----->	510CB00502	511CB00501	512CB00301	513CB00202	515CB00602	517CB00202
	LAB SAMPLE ID --->	21548.01	21658.01	21573.01	21871.01	21932.01	21805.01R
	ID FROM REPORT -->	510CB00502	511CB0050	512CB00301	513CB00202	515CB00602	517CB00202
	SAMPLE DATE ----->	03/14/95	03/21/95	03/15/95	04/12/95	04/18/95	04/06/95
	DATE EXTRACTED -->	03/16/95	03/24/95	03/20/95	04/14/95	04/21/95	04/14/94
	DATE ANALYZED --->	03/21/95	03/28/95	03/21/95	04/19/95	04/25/95	04/18/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ----------->	NG/KG	NG/KG	NG/KG	NG/KG	NG/KG	NG/KG

CAS #	Parameter	21MAR95S	VAL	28MAR95S	VAL	21MAR95S	VAL	19APR95S	VAL	25APR95A	VAL	18APR95S	VAL
1746-01-6	2378-TCDD	0.441	U	0.233	U	1.679	U	0.1	U	0.377	U	0.163	U
3268-87-9	OCDD	67.554		22.32	J	186.121		0.884	EMPC	2.047	EMPC	92.445	
40321-76-4	12378-PeCDD	0.643	U	0.614	U	0.762	U	0.241	U	0.485	U	0.258	U
39227-28-6	123478-HxCDD	0.356	U	0.386	U	0.559	U	0.128	U	0.211	U	0.173	U
57653-85-7	123678-HxCDD	0.343	U	0.372	U	0.538	U	0.129	U	0.17	U	0.175	U
19408-74-3	123789-HxCDD	0.314	U	0.34	U	0.492	U	0.119	U	0.174	U	0.161	U
35822-46-9	1234678-HpCDD	9.997		3.175	J	22.131		0.344		0.491	EMPC	7.307	
51207-31-9	2378-TCDF	0.275	U	0.172	U	1.187	U	0.167	U	0.483	U	0.12	U
57117-41-6	12378-PeCDF	0.281	U	0.253	U	0.593	U	0.104	U	0.219	U	0.146	U
57117-31-4	23478-PeCDF	0.281	U	0.253	U	0.592	U	0.104	U	0.215	U	0.146	U
70648-26-9	123478-HxCDF	0.54	EMPC	0.338	U	3.134		1.57		0.212	U	0.356	EMPC
57117-44-9	123678-HxCDF	0.247	U	0.314	U	1.127	EMPC	0.366	EMPC	0.177	U	0.535	
72918-21-9	123789-HxCDF	0.494	EMPC	0.359	U	0.477	U	0.315	EMPC	0.541	EMPC	0.446	EMPC
60851-34-5	234678-HxCDF	0.269	U	0.343	U	1.238		0.172	EMPC	0.214	U	0.258	
67562-39-4	1234678-HpCDF	6.233	EMPC	1.734	J	9.49		8.831		0.872	EMPC	7.632	
55673-89-7	1234789-HpCDF	0.285	U	0.45	U	1.061	U	0.202	EMPC	0.219	U	0.179	U
39001-02-0	OCDF	12.6		4.112	J	9.778		27.679	EMPC	1.59	EMPC	14.373	EMPC
41903-57-5	Total Tetra-Dioxins	0.441	U	0.233	U	1.679	U	0.1	U	0.377	U	0.163	U
36088-22-9	Total Penta-Dioxins	0.643	U	0.614	U	0.	U	0.241	U	0.485	U	0.258	U
34465-46-8	Total Hexa-Dioxins	0.337	U	0.365	U	12.536		0.125	U	0.184	U	0.17	U
37871-00-4	Total Hepta-Dioxins	17.617		3.173		66.944		0.344		0.491	EMPC	14.032	
55722-27-5	Total Tetra-Furans	0.	U	0.172	U	0.	U	0.	U	0.483	U	0.12	U
30602-15-4	Total Penta-Furans	0.	U	0.253	U	8.001		0.324		0.217	U	0.146	U
55684-94-1	Total Hexa-Furans	1.355		0.314	U	13.038		1.049		0.541	EMPC	2.142	
38998-75-3	Total Hepta-Furans	6.233		6.204		10.625		8.831		0.872	EMPC	7.632	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-DIOX						
SAMPLE ID ------->	518-C-B004-01	518-C-B004-01	518-C-B006-01	519-C-B001-01	520-C-B003-02	523-C-B002-02
ORIGINAL ID ----->	518CB00401	518CB00401RE	518CB0060	519CB00101	520CB00302	523CB00202
LAB SAMPLE ID --->	21805.02	21805.02R	22778.01	21996.01	21846.01	21775.03R
ID FROM REPORT -->	518CB00401	518CB00401RE	518CB0060	519CB00101	520CB00302	523CB00202
SAMPLE DATE ----->	04/05/95	04/05/95	06/18/95	04/22/95	04/07/95	04/03/95
DATE EXTRACTED -->	04/10/95	04/19/95	06/30/95	05/01/95	04/14/95	04/19/95
DATE ANALYZED --->	04/18/95	04/21/95	07/05/95	05/03/95	04/18/95	04/21/95
MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
UNITS ---------->	NG/KG	NG/KG	NG/KG	NG/KG	NG/KG	NG/KG

CAS #	Parameter	18APR95S	VAL	21APR95S	VAL	95-52	VAL	03MAY95	VAL	18APR95S	VAL	21APR95S	VAL
1746-01-6	2378-TCDD	0.168	U	0.566	U	6.55		0.227	U	0.096	U	0.342	U
3268-87-9	OCDD	186.41		240.533		602.903		1.671	EMPC	4.38	EMPC	12.067	
40321-76-4	12378-PeCDD	0.268	U	1.175	U	21.37		0.596	U	0.209	EMPC	0.831	U
39227-28-6	123478-HxCDD	0.282	U	0.807	U	0.591	U	0.438	U	0.129	U	0.289	U
57653-85-7	123678-HxCDD	1.487		1.76	EMPC	18.517		0.354	U	0.13	U	0.233	U
19408-74-3	123789-HxCDD	0.262	U	0.667	U	0.489	U	0.362	U	0.119	U	0.239	U
35822-46-9	1234678-HpCDD	30.49		40.349		89.63		0.372	U	1.002		1.728	
51207-31-9	2378-TCDF	0.224	U	0.929	U	1.026	U	0.396	U	0.064	U	0.467	U
57117-41-6	12378-PeCDF	0.223	U	0.909	U	13.496		0.42	U	0.085	U	0.389	U
57117-31-4	23478-PeCDF	0.223	U	0.893	U	2.006		0.413	U	0.085	U	0.382	U
70648-26-9	123478-HxCDF	2.826		1.279	U	110.84		0.228	U	0.139	EMPC	0.304	U
57117-44-9	123678-HxCDF	0.658	EMPC	2.293	EMPC	76.515	EMPC	0.19	U	0.254		0.535	EMPC
72918-21-9	123789-HxCDF	0.322	U	1.338	U	3.853		0.238	U	0.317	EMPC	0.643	
60851-34-5	234678-HxCDF	1.352		1.291	U	10.45	EMPC	0.23	U	0.13	EMPC	0.307	U
67562-39-4	1234678-HpCDF	20.844		21.443		2179.653		0.615	EMPC	1.221	EMPC	3.591	
55673-89-7	1234789-HpCDF	0.647		3.188	U	49.725		0.244	U	0.099	U	0.749	U
39001-02-0	OCDF	30.865		44.898		9424.614		0.865	EMPC	2.322	EMPC	8.565	EMPC
41903-57-5	Total Tetra-Dioxins	0.168	U	0.566	U	6.55		0.227		0.096	U	0.342	U
36088-22-9	Total Penta-Dioxins	0.268	U	1.175	U	21.37		0.596		0.124	U	0.831	U
34465-46-8	Total Hexa-Dioxins	5.114		7.906		22.846		0.438		0.119	U	0.233	U
37871-00-4	Total Hepta-Dioxins	57.949		77.656		156.142		0.372		3.275		6.876	
55722-27-5	Total Tetra-Furans	2.845		0.929	U	1.026	U	0.396		0.064	U	0.467	U
30602-15-4	Total Penta-Furans	16.189		13.719		17.909		0.417		0.085	U	0.382	U
55684-94-1	Total Hexa-Furans	25.804		23.114	EMPC	254.164	EMPC	0.214		0.254		0.643	
38998-75-3	Total Hepta-Furans	21.492		55.002		2625.873		0.209		1.591		3.591	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-DIOX													
	SAMPLE ID ------->	523-H-W001-01		GDC-C-B013-01		GDC-C-B023-02		GDC-C-B045-01					
	ORIGINAL ID ----->	523HW0010		GRDCB01301		GRDCB02302		GDCCB0450					
	LAB SAMPLE ID --->	22624.01		21853.02R		21853.01		22765.01					
	ID FROM REPORT -->	523HW0010		GRDCB01301		GRDCB02302		GDCCB0450					
	SAMPLE DATE ----->	06/15/95		04/11/95		04/11/95		06/27/95					
	DATE EXTRACTED -->	06/19/95		04/19/95		04/14/95		06/30/95					
	DATE ANALYZED --->	06/21/95		04/21/95		04/18/95		07/05/95					
	MATRIX ---------->	Water		Soil		Soil		Soil					
	UNITS ----------->	PG/L		NG/KG		NG/KG		NG/KG					
CAS #	Parameter	95-47	VAL	21APR95S	VAL	18APR95S	VAL	95-51	VAL				
1746-01-6	2378-TCDD	0.968	U	0.566	U	0.142	U	0.533	U				
3268-87-9	OCDD	12.675		1953.282		12.165		155.452					
40321-76-4	12378-PeCDD	1.411	U	0.75	U	0.165	U	0.953	U				
39227-28-6	123478-HxCDD	0.753	U	4.324		0.125	U	0.39	U				
57653-85-7	123678-HxCDD	0.692	U	7.369		0.126	U	0.315	U				
19408-74-3	123789-HxCDD	0.63	U	9.823		0.116	U	0.323	U				
35822-46-9	1234678-HpCDD	2.33	EMPC	323.041		1.777		16.763					
51207-31-9	2378-TCDF	1.293	U	1.687	U	0.143	U	0.88	U				
57117-41-6	12378-PeCDF	1.312	U	0.654	U	0.103	U	1.035	U				
57117-31-4	23478-PeCDF	1.304	U	0.643	U	0.102	U	1.018	U				
70648-26-9	123478-HxCDF	0.704	U	2.527	EMPC	0.459		0.993	U				
57117-44-9	123678-HxCDF	0.647	U	6.806	EMPC	0.408		0.829	U				
72918-21-9	123789-HxCDF	3.789		0.535	U	0.41	EMPC	1.039	U				
60851-34-5	234678-HxCDF	0.746	U	1.574	EMPC	0.314		1.002	U				
67562-39-4	1234678-HpCDF	1.351	EMPC	63.001		3.299		6.036					
55673-89-7	1234789-HpCDF	0.645	U	6.062	U	0.194		1.818	U				
39001-02-0	OCDF	1.515	EMPC	148.415		3.645	EMPC	27.744					
41903-57-5	Total Tetra-Dioxins	0.968	U	0.566	U	0.142	U	0.533	U				
36088-22-9	Total Penta-Dioxins	1.411	U	0.75	U	0.165	U	0.953	U				
34465-46-8	Total Hexa-Dioxins	0.63	U	173.392		0.116	U	2.062					
37871-00-4	Total Hepta-Dioxins	0.528	U	1382.933		2.977		38.282					
55722-27-5	Total Tetra-Furans	1.293	U	1.687	U	0.143	U	0.88	U				
30602-15-4	Total Penta-Furans	1.308	U	1.404		0.102	U	1.026	U				
55684-94-1	Total Hexa-Furans	3.789		70.395		1.823		0.829	U				
38998-75-3	Total Hepta-Furans	0.621	U	185.541		5.056		13.873					

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-MET

SAMPLE ID ------->	044-K-B001-01
ORIGINAL ID ----->	044KB00101
LAB SAMPLE ID --->	698389
ID FROM REPORT -->	044KB00101
SAMPLE DATE ----->	04/04/95
DATE ANALYZED --->	05/05/95
MATRIX ---------->	Soil
UNITS ----------->	MG/L

CAS #	Parameter	5001MT	VAL
7440-38-2	Arsenic (As)	2.5	U
7440-39-3	Barium (Ba)	50.	U
7440-43-9	Cadmium (Cd)	0.5	U
7440-47-3	Chromium (Cr)	2.5	U
7439-92-1	Lead (Pb)	2.5	U
7782-49-2	Selenium (Se)	0.5	U
7440-22-4	Silver (Ag)	2.5	U
7439-97-6	Mercury (Hg)	0.1	U
7440-31-5	Tin (Sn)	4.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-METAL	SAMPLE ID ------->	044-M-0009-01		044-W-0009-01		044-M-0010-01		044-W-0010-01		044-R-0010-01		044-M-0011-01	
	ORIGINAL ID ----->	044M000901		044W000901		044M001001		044W001001		044R001001		044M001101	
	LAB SAMPLE ID --->	704075		739532		704082		739505		739510		704085	
	ID FROM REPORT -->	044M000901		044W000901		044M001001		044W001001		044R001001		044M001101	
	SAMPLE DATE ----->	04/17/95		07/11/95		04/17/95		07/11/95		07/11/95		04/17/95	
	MATRIX ---------->	Sediment		Water		Sediment		Water		Water		Sediment	
	UNITS ---------->	MG/KG		UG/L		MG/KG		UG/L		UG/L		MG/KG	
CAS #	Parameter	50014M	VAL	0023MI	VAL	50014M	VAL	0023MI	VAL	0023MI	VAL	50014M	VAL
7429-90-5	Aluminum (Al)	6100.		175.	J	345.		3900.		3870.		3500.	
7440-36-0	Antimony (Sb)	0.65	J	1.9	U	0.53	J	1.9	U	3.4	J	0.25	UJ
7440-38-2	Arsenic (As)	137.		2.7	U	4.2		2.7	U	2.7	U	4.	
7440-39-3	Barium (Ba)	70.5		4.2	J	10.5	J	11.8	J	10.2	J	12.	J
7440-41-7	Beryllium (Be)	0.45	J	0.1	U	0.22	U	1.4	J	1.3	J	0.2	U
7440-43-9	Cadmium (Cd)	0.04	U	0.5	U	0.03	U	0.5	U	0.5	U	0.04	U
7440-70-2	Calcium (Ca)	1070.		120000.		274.	J	38700.		38000.		10300.	
7440-47-3	Chromium (Cr)	37.9		1.6	J	27.9		2.9	J	2.7	J	8.5	
7440-48-4	Cobalt (Co)	3.5	J	0.5	U	1.7	J	15.9	J	15.5	J	1.6	J
7440-50-8	Copper (Cu)	51.1	J	4.9	J	21.1	J	25.3	J	25.	J	7.2	J
7439-89-6	Iron (Fe)	37300.		362.	J	17200.		1760.	J	1750.	J	5160.	
7439-92-1	Lead (Pb)	53.1		3.8	J	41.2		6.	J	4.6	J	11.2	
7439-95-4	Magnesium (Mg)	756.		11500.		39.5	J	1630.	J	1600.	J	415.	J
7439-96-5	Manganese (Mn)	104.	J	18.8		70.3	J	148.		145.		62.8	J
7439-97-6	Mercury (Hg)	0.14	U	0.2	U	0.11	U	0.2	U	0.2	U	0.11	U
7440-02-0	Nickel (Ni)	9.6		4.3	J	12.8		31.6	J	30.3	J	5.9	
7440-09-7	Potassium (K)	1090.	J	5560.		107.	J	871.	J	887.	J	216.	J
7782-49-2	Selenium (Se)	5.3	J	3.4	U	2.1	J	5.1		6.1		0.57	UJ
7440-22-4	Silver (Ag)	0.07	UR	0.6	U	0.06	UR	0.6	U	0.6	U	0.06	UR
7440-23-5	Sodium (Na)	435.	J	12800.		189.	U	3200.	J	3290.	J	217.	U
7440-28-0	Thallium (Tl)	2.4		3.6	U	0.67	J	3.6	U	3.6	U	0.58	U
7440-62-2	Vanadium (V)	21.2		0.62	J	8.3		0.86	J	0.7	J	8.1	
7440-66-6	Zinc (Zn)	61.1		5.3	J	7.7		62.		58.		67.7	
7440-31-5	Tin (Sn)	0.8	UJ	5.	U	0.68	UJ	5.	U	5.	U	1.3	UJ
57-12-5	Cyanide (CN)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-META	SAMPLE ID ------>	044-W-0011-01		044-M-0012-01		044-W-0012-01		044-M-0013-01		044-W-0013-01		044-M-0014-01	
	ORIGINAL ID ----->	044W001101		044M001201		044W001201		044M001301		044W001301		044M001401	
	LAB SAMPLE ID --->	739511		704866		739513		704878		739512		704882	
	ID FROM REPORT -->	044W001101		044M001201		044W001201		044M001301		044W001301		044M001401	
	SAMPLE DATE ----->	07/11/95		04/19/95		07/11/95		04/19/95		07/11/95		04/19/95	
	MATRIX ---------->	Water		Sediment		Water		Sediment		Water		Sediment	
	UNITS ---------->	UG/L		MG/KG		UG/L		MG/KG		UG/L		MG/KG	
CAS #	Parameter	0023MI	VAL	50013M	VAL	0023MI	VAL	50013M	VAL	0023MI	VAL	50013M	VAL
7429-90-5	Aluminum (Al)	233.		10900.		16400.		6460.		363.		5220.	
7440-36-0	Antimony (Sb)	2.4	J	1.2	J	5.2	J	0.53	J	2.7	J	0.23	UJ
7440-38-2	Arsenic (As)	6.8	J	62.1		2.7	U	53.1		6.2	J	11.3	
7440-39-3	Barium (Ba)	12.6	J	30.5	J	13.3	J	43.3	J	14.2	J	15.7	J
7440-41-7	Beryllium (Be)	0.1	U	0.65	J	5.2		0.38	U	0.1	U	0.32	U
7440-43-9	Cadmium (Cd)	0.5	U	0.68		0.7	J	0.22		0.5	U	0.04	
7440-70-2	Calcium (Ca)	48600.		23300.		85400.		733.		56000.		6850.	
7440-47-3	Chromium (Cr)	1.8	J	42.1		8.	J	21.4		1.6	J	10.2	
7440-48-4	Cobalt (Co)	0.5	U	11.6		71.		3.	J	0.5	U	2.	J
7440-50-8	Copper (Cu)	6.8	J	75.3		92.5	J	24.3		7.3	J	11.9	
7439-89-6	Iron (Fe)	578.	J	51600.		12500.	J	38700.		626.	J	6730.	
7439-92-1	Lead (Pb)	3.8	J	13.5		4.4	J	43.7		4.5	J	14.	
7439-95-4	Magnesium (Mg)	3980.	J	2090.		4470.	J	791.		4620.	J	614.	J
7439-96-5	Manganese (Mn)	143.		96.1		687.		45.9		120.		36.9	
7439-97-6	Mercury (Hg)	0.2	U	0.17	J	0.2	U	0.36	J	0.2	U	0.67	J
7440-02-0	Nickel (Ni)	4.1	J	23.7	J	107.		5.4	J	3.6	J	4.1	J
7440-09-7	Potassium (K)	3150.	J	1040.	J	710.	J	2030.	J	3520.	J	360.	J
7782-49-2	Selenium (Se)	3.4	U	5.2	J	10.4		4.6	J	3.4	U	0.83	J
7440-22-4	Silver (Ag)	0.6	U	0.07	U	0.6	U	0.06	U	0.6	U	0.06	U
7440-23-5	Sodium (Na)	16300.		355.	J	3910.	J	798.	J	18200.		819.	J
7440-28-0	Thallium (Tl)	3.6	U	1.9		3.6	U	2.1		3.6	U	0.56	U
7440-62-2	Vanadium (V)	3.1	J	24.4		0.71	J	23.1		3.1	J	12.6	
7440-66-6	Zinc (Zn)	24.3		95.9	J	201.		31.2	J	31.4		46.2	J
7440-31-5	Tin (Sn)	5.	U	0.79	U	5.	U	0.74	U	5.	U	1.9	U
57-12-5	Cyanide (CN)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-META	SAMPLE ID ------->	044-W-0014-01		044-M-0015-01		044-W-0015-01		044-M-0016-01		044-W-0016-01		044-M-0017-01	
	ORIGINAL ID ----->	044W001401		044M001501		044W001501		044M001601		044W001601		044M001701	
	LAB SAMPLE ID --->	704843		704887		739514		704894		704849		704902	
	ID FROM REPORT -->	044W001401		044M001501		044W001501		044M001601		044W001601		044M001701	
	SAMPLE DATE ----->	04/11/95		04/19/95		07/11/95		04/19/95		04/11/95		04/19/95	
	MATRIX ---------->	Water		Sediment		Water		Sediment		Water		Sediment	
	UNITS ---------->	UG/L		MG/KG		UG/L		MG/KG		UG/L		MG/KG	
CAS #	Parameter	50007M	VAL	50013M	VAL	0023MI	VAL	50013M	VAL	50007M	VAL	50013M	VAL
7429-90-5	Aluminum (Al)	160.	UJ	5900.		12600.		7760.		1230.	J	4870.	
7440-36-0	Antimony (Sb)	1.9	U	0.35	UJ	1.9	U	0.43	UJ	1.9	U	0.97	J
7440-38-2	Arsenic (As)	10.2	J	67.4		9.9	J	14.7		3.2	UJ	69.2	
7440-39-3	Barium (Ba)	75.2	J	70.7	J	15.8	J	12.3	J	20.6	J	64.	J
7440-41-7	Beryllium (Be)	0.2	U	0.4	U	3.7	J	0.41	U	0.2	U	0.47	U
7440-43-9	Cadmium (Cd)	0.3	U	0.84		0.5	U	0.07	U	0.3	U	0.31	
7440-70-2	Calcium (Ca)	181000.		833.	J	114000.		1610.		116000.		12600.	
7440-47-3	Chromium (Cr)	2.6	J	23.2		10.4		12.5		52.4		22.8	
7440-48-4	Cobalt (Co)	1.3	J	2.2	J	52.7		3.	J	1.	J	8.8	J
7440-50-8	Copper (Cu)	4.2	U	33.9		45.	J	32.5		8.6	J	51.3	
7439-89-6	Iron (Fe)	1220.	J	93700.		32100.	J	13100.		1740.	J	37600.	
7439-92-1	Lead (Pb)	3.9	U	35.1		9.2	J	43.4		5.	U	63.6	
7439-95-4	Magnesium (Mg)	336000.		1140.		22400.		1510.		344000.		1160.	J
7439-96-5	Manganese (Mn)	2110.		0.06	U	634.		72.4		64.3		85.9	
7439-97-6	Mercury (Hg)	0.2	U	0.28	J	0.2	U	0.47	J	0.2	U	1.6	J
7440-02-0	Nickel (Ni)	2.5	J	3.8	J	92.5		4.2	J	27.	J	26.7	J
7440-09-7	Potassium (K)	197000.		8240.	J	8830.		739.	J	163000.		1080.	J
7782-49-2	Selenium (Se)	4.4	U	9.3	J	7.1		1.	UJ	4.6	J	7.3	J
7440-22-4	Silver (Ag)	0.5	UJ	0.09	U	0.6	U	0.11	U	0.5	UJ	0.18	U
7440-23-5	Sodium (Na)	2620000.		5860.	J	130000.		3320.	J	2660000.		1130.	J
7440-28-0	Thallium (Tl)	4.5	U	4.6		3.6	U	1.	U	4.5	U	2.7	J
7440-62-2	Vanadium (V)	1.5	J	33.5		6.9	J	22.1		4.	J	26.7	
7440-66-6	Zinc (Zn)	32.3		33.9	J	202.		84.6	J	31.		125.	J
7440-31-5	Tin (Sn)	5.9	U	1.1	U	5.	U	1.4	U	5.9	U	2.1	U
57-12-5	Cyanide (CN)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-META													
	SAMPLE ID ------>	044-W-0017-01		044-W-0018-01		044-W-0019-01		044-R-0019-01		044-W-0020-01		044-W-0021-01	
	ORIGINAL ID ----->	044W001701		044W001801		044W001901		044R001901		044W002001		044W002101	
	LAB SAMPLE ID --->	739516		701889		701910		701933		701958		701966	
	ID FROM REPORT -->	044W001701		044W001801		044W001901		044R001901		044W002001		044W002101	
	SAMPLE DATE ----->	07/11/95		04/11/95		04/11/95		04/11/95		04/11/95		04/11/95	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ----------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	0023MI	VAL	50007M	VAL	50007M	VAL	50007M	VAL	50007M	VAL	50007M	VAL
7429-90-5	Aluminum (Al)	188.	J	19.2	UJ	415.	UJ	980.	J	19.2	UJ	19.2	UJ
7440-36-0	Antimony (Sb)	2.8	J	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
7440-38-2	Arsenic (As)	144.		3.2	UJ	3.2	UJ	3.2	UJ	3.2	UJ	3.2	UJ
7440-39-3	Barium (Ba)	20.9	J	20.4	J	23.5	J	23.	J	20.8	J	21.5	J
7440-41-7	Beryllium (Be)	0.1	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
7440-43-9	Cadmium (Cd)	0.5	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
7440-70-2	Calcium (Ca)	262000.		116000.		121000.		118000.		122000.		126000.	
7440-47-3	Chromium (Cr)	2.	J	2.3	J	3.1	J	4.2	J	3.1	J	2.1	J
7440-48-4	Cobalt (Co)	11.2	J	0.6	U	0.93	J	0.6	U	0.6	U	0.6	U
7440-50-8	Copper (Cu)	5.8	J	3.	U	4.9	J	3.2	UJ	3.7	U	4.4	U
7439-89-6	Iron (Fe)	85900.	J	362.	J	972.	J	1160.	J	359.	J	362.	
7439-92-1	Lead (Pb)	7.1	J	4.2	U	4.1	U	5.	U	2.3	U	4.3	U
7439-95-4	Magnesium (Mg)	12600.		330000.		343000.		337000.		353000.		373000.	
7439-96-5	Manganese (Mn)	911.		82.6		93.6		92.3		80.3		58.7	
7439-97-6	Mercury (Hg)	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
7440-02-0	Nickel (Ni)	9.3	J	1.4	U	1.4	U	1.4	U	10.2	J	1.4	U
7440-09-7	Potassium (K)	3020.	J	195000.		199000.		159000.		163000.		180000.	
7782-49-2	Selenium (Se)	7.5		4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
7440-22-4	Silver (Ag)	0.6	U	0.5	UJ	0.5	UJ	0.5	UJ	0.5	UJ	0.5	UJ
7440-23-5	Sodium (Na)	31200.		2530000.		2600000.		2600000.		2670000.		2910000.	
7440-28-0	Thallium (Tl)	3.6	U	4.5	U	4.5	U	4.5	U	4.5	U	4.5	U
7440-62-2	Vanadium (V)	3.4	J	1.5	J	3.5	J	3.5	J	1.5	J	1.4	J
7440-66-6	Zinc (Zn)	16.2	J	15.2	J	15.1	J	19.5	J	13.2	J	18.8	J
7440-31-5	Tin (Sn)	5.	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U
57-12-5	Cyanide (CN)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-META	SAMPLE ID ------->	044-W-0022-01		044-S-B001-01		044-S-B002-01		044-S-B003-01		044-S-B004-01		044-S-B004-02	
	ORIGINAL ID ----->	044W002201		044SB00101		044SB00201		044SB00301		044SB00401		044SB00402	
	LAB SAMPLE ID --->	704854		689904		689914		690119		690129		690131	
	ID FROM REPORT -->	044W002201		MAC001		MAC002		MAC003		MAC004		MAC005	
	SAMPLE DATE ----->	04/11/95		03/13/95		03/13/95		03/14/95		03/14/95		03/14/95	
	MATRIX ---------->	Water		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/L		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	50007M	VAL	50075M	VAL	50075M	VAL	50075M	VAL	50075M	VAL	50075M	VAL
7429-90-5	Aluminum (Al)	11900.	J	1240.		6220.		5040.		4540.		28900.	
7440-36-0	Antimony (Sb)	1.9	U	0.21	UJ	0.21	UJ	0.27	UJ	0.23	UJ	0.34	UJ
7440-38-2	Arsenic (As)	3.2	UJ	1.3	J	6.5	J	5.	J	4.1	J	12.3	J
7440-39-3	Barium (Ba)	1.9	J	7.	J	16.1	J	12.2	J	23.	J	37.4	
7440-41-7	Beryllium (Be)	2.9	J	0.1	UJ	0.28	J	0.22	J	0.65	J	1.3	J
7440-43-9	Cadmium (Cd)	0.39	U	0.05	U	0.09	J	0.11	J	0.4	J	1.2	
7440-70-2	Calcium (Ca)	234000.		76700.	J	3140.	J	14000.	J	43300.	J	5700.	J
7440-47-3	Chromium (Cr)	2.9	J	3.4	J	7.1	J	12.8	J	19.	J	43.7	J
7440-48-4	Cobalt (Co)	37.7	J	0.88	J	1.7	J	1.7	J	5.	J	7.9	J
7440-50-8	Copper (Cu)	27.5		1.	UJ	6.5	J	11.8	J	14.8	J	37.1	J
7439-89-6	Iron (Fe)	58500.	J	2420.	J	8010.	J	4350.	J	6340.	J	29700.	J
7439-92-1	Lead (Pb)	3.3	U	1.7	J	7.	J	20.1	J	11.	J	46.	J
7439-95-4	Magnesium (Mg)	20100.		437.	J	245.	J	711.		1630.		4170.	
7439-96-5	Manganese (Mn)	489.		42.9	J	38.5	J	34.	J	57.3	J	171.	J
7439-97-6	Mercury (Hg)	0.2	U	0.11	UJ	0.11	UJ	0.72	J	0.12	UJ	0.46	J
7440-02-0	Nickel (Ni)	77.7		2.4	J	4.4		4.4	J	15.3		13.6	
7440-09-7	Potassium (K)	6220.		156.	J	215.	J	308.	J	672.	J	2660.	J
7782-49-2	Selenium (Se)	10.2		0.48	UJ	1.1	J	0.51	UJ	1.6	J	1.8	J
7440-22-4	Silver (Ag)	0.5	UJ	0.07	UJ	0.07	UJ	0.07	UJ	0.07	UJ	0.11	UJ
7440-23-5	Sodium (Na)	23400.		1120.	J	132.	U	162.	J	360.	J	458.	J
7440-28-0	Thallium (Tl)	5.6	U	0.6	U	0.61	U	0.63	U	0.67	U	0.97	U
7440-62-2	Vanadium (V)	0.77	J	3.8	J	11.7		10.5		12.6		71.7	
7440-66-6	Zinc (Zn)	197.		6.4		14.		37.1		49.3		132.	
7440-31-5	Tin (Sn)	5.9	U	1.	J	0.87	U	1.3	J	0.96	U	1.4	U
57-12-5	Cyanide (CN)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
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FINAL REPORT

SW846-META	SAMPLE ID ------->	044-S-B005-01	044-S-B006-01	044-S-B006-01	044-S-B007-01	044-C-B007-01	044-S-B008-01
	ORIGINAL ID ----->	044SB00501	044SB00601	044SB00601	044SB00701	044CB00701	044SB00801
	LAB SAMPLE ID --->	690133	690135	755141	690137	690186	690139
	ID FROM REPORT -->	MAC006	MAC007	044SB00601	MAC008	044CB00701	MAC009
	SAMPLE DATE ----->	03/14/95	03/14/95	09/13/95	03/14/95	03/14/95	03/14/95
	MATRIX ---------->	Soil	Soil	Water	Soil	Soil	Soil
	UNITS ---------->	MG/KG	MG/KG	UG/L	MG/KG	MG/KG	MG/KG

CAS #	Parameter	50075M	VAL	50075M	VAL	24MP	VAL	50075M	VAL	0001MI	VAL	50075M	VAL
7429-90-5	Aluminum (Al)	8790.		17500.		191.	U	5920.		7030.		5230.	
7440-36-0	Antimony (Sb)	0.28	UJ	0.48	UJ	1.9	U	0.42	UJ	0.87	UJ	0.6	UJ
7440-38-2	Arsenic (As)	13.8	J	103.	J	2.7	U	19.	J	40.6		53.6	J
7440-39-3	Barium (Ba)	26.1		55.4		426.		27.2		56.2		39.	
7440-41-7	Beryllium (Be)	0.46	J	2.	J	0.1	U	0.26	J	0.76	J	0.55	J
7440-43-9	Cadmium (Cd)	0.44	J	3.6		0.5	U	0.9		1.2		0.49	J
7440-70-2	Calcium (Ca)	2030.	J	1350.	J	16700.		128000.	J	201000.		7270.	J
7440-47-3	Chromium (Cr)	15.1	J	46.9	J	2.	J	18.2	J	32.		61.5	J
7440-48-4	Cobalt (Co)	3.5	J	8.6	J	0.5	U	2.5	J	10.9	J	4.8	J
7440-50-8	Copper (Cu)	24.1	J	122.	J	4.7	U	38.	J	145.	J	34.9	J
7439-89-6	Iron (Fe)	10800.	J	99500.	J	64.6	U	8760.	J	12100.		11000.	J
7439-92-1	Lead (Pb)	32.1	J	37.8	J	1.7	U	82.7	J	231.	J	50.3	J
7439-95-4	Magnesium (Mg)	942.		2090.		8420.		2450.		5140.		692.	
7439-96-5	Manganese (Mn)	86.3	J	96.3	J	0.58	U	111.	J	219.		104.	J
7439-97-6	Mercury (Hg)	0.2	J	0.21	UJ	0.2	U	1.	J	0.73		0.12	J
7440-02-0	Nickel (Ni)	9.2		43.4		2.4	U	16.6		48.1		11.8	
7440-09-7	Potassium (K)	714.	J	8610.	J	7620.		1070.	J	1540.	J	566.	J
7782-49-2	Selenium (Se)	1.2	J	8.8	J	3.4	U	0.99	J	1.8	J	1.4	J
7440-22-4	Silver (Ag)	0.07	UJ	0.15	UJ	0.6	U	0.07	UJ	0.13	UJ	0.07	UJ
7440-23-5	Sodium (Na)	518.	J	3240.	J	90300.		506.	J	1130.	J	147.	U
7440-28-0	Thallium (Tl)	0.68	U	2.4	J	3.6	U	0.62	U	1.2	U	0.66	U
7440-62-2	Vanadium (V)	18.7		42.		1.5	U	15.		24.3		18.8	
7440-66-6	Zinc (Zn)	68.1		123.		24.8		93.6		462.		141.	
7440-31-5	Tin (Sn)	0.97	U	2.	U	5.	U	1.3	J	22.4		1.5	J
57-12-5	Cyanide (CN)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
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FINAL REPORT

SW846-META

SAMPLE ID -------->	044-S-B023-01	044-S-B024-01	044-S-B025-01	044-S-B026-01	044-S-B027-01	044-S-B027-02
ORIGINAL ID ----->	044SB02301	044SB02401	044SB02501	044SB02601	044SB02701	044SB02702
LAB SAMPLE ID --->	736434	736435	7091-01	7091-02	30601.01	30601.02
ID FROM REPORT -->	044SB02301	044SB02401	044SB02501	044SB02601	044SB02701	044SB02702
SAMPLE DATE ----->	06/27/95	06/27/95	01/17/97	01/17/97	08/11/97	08/11/97
DATE EXTRACTED -->			01/24/97	01/24/97	08/20/97	08/20/97
DATE ANALYZED --->			01/27/97	01/27/97	08/24/97	08/24/97
MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
UNITS ----------->	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG

CAS #	Parameter	21521M	VAL	21521M	VAL	7091	VAL	7091	VAL	30601		30601	
7429-90-5	Aluminum (Al)	2570.		2440.		36600.		2800.		21900.		394.	
7440-36-0	Antimony (Sb)	1.1	J	0.85	J	0.55	UJ	0.34	UJ	0.48	B	0.21	U
7440-38-2	Arsenic (As)	12.6		7.6		26.6		2.8	J	22.4		0.39	B
7440-39-3	Barium (Ba)	45.4		28.2		46.4	J	6.7	J	29.9		1.4	
7440-41-7	Beryllium (Be)	0.24	U	0.19	U	1.9		0.16	J	1.3		0.05	B
7440-43-9	Cadmium (Cd)	0.41	U	0.26	U	0.51	J	0.22	U	0.07	U	0.04	U
7440-70-2	Calcium (Ca)	31300.		28900.		27900.		5840.		3540.		268.	
7440-47-3	Chromium (Cr)	11.2		22.7		54.3		7.3		38.2		1.	B
7440-48-4	Cobalt (Co)	1.4	J	6.4		13.6	J	5.6	J	8.3		0.15	B
7440-50-8	Copper (Cu)	33.7		207.		43.9	J	4.5	J	46.5		0.59	B
7439-89-6	Iron (Fe)	4070.		4200.		31900.		3520.		27800.		568.	
7439-92-1	Lead (Pb)	65.2		80.6		64.2		26.1		40.5		0.84	
7439-95-4	Magnesium (Mg)	556.		918.		5780.		514.	J	5790.	E	326.	E
7439-96-5	Manganese (Mn)	56.		52.4		408.		199.		150.		5.7	
7439-97-6	Mercury (Hg)	0.25		0.12		0.53		0.15		0.21	*	0.02	B*
7440-02-0	Nickel (Ni)	6.6		15.3		36.9		14.		11.6	E	0.32	BE
7440-09-7	Potassium (K)	194.	J	163.	J	3810.		252.	J	3090.	E	145.	BE
7782-49-2	Selenium (Se)	0.64		0.51	U	0.72	J	0.45	U	2.6		0.44	U
7440-22-4	Silver (Ag)	0.05	U	0.08	J	0.36	UJ	0.29	UJ	0.23	U	0.13	U
7440-23-5	Sodium (Na)	237.	J	261.	J	7270.	J	367.	J	10100.		1880.	
7440-28-0	Thallium (Tl)	0.49	U	0.52	U	1.6	U	1.3	U	3.7		0.65	U
7440-62-2	Vanadium (V)	7.4		6.3		68.2		7.1	J	68.5		0.89	B
7440-66-6	Zinc (Zn)	74.4	J	87.8	J	279.		65.5		166.		1.4	B
7440-31-5	Tin (Sn)	3.3	J	3.4	J	14.5	U	11.6	U	3.2	U	1.8	U
57-12-5	Cyanide (CN)	NR		NR		0.16	U	0.12	U	NR		NR	

CHARLESTON - ZONE C
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FINAL REPORT

SW846-META	SAMPLE ID ------->	044-S-B027-03	044-S-B028-01	044-S-B028-02	044-S-B028-03	044-S-B028-04	044-S-S001-01
	ORIGINAL ID ----->	044SB02703	044SB02801	044SB02802	044SB02803	044SB02804	044SS00101
	LAB SAMPLE ID --->	30601.03	30601.04	30601.05	30601.06	30601.07	30257.01
	ID FROM REPORT -->	044SB02703	044SB02801	044SB02802	044SB02803	044SB02804	044SS00101
	SAMPLE DATE ----->	08/11/97	08/11/97	08/11/97	08/11/97	08/11/97	07/23/97
	DATE EXTRACTED -->	08/20/97	08/20/97	08/20/97	08/20/97	08/20/97	07/30/97
	DATE ANALYZED --->	08/24/97	08/24/97	08/24/97	08/24/97	08/24/97	08/11/97
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
CAS #	Parameter	30601	30601	30601	30601	30601	30257 NV
7429-90-5	Aluminum (Al)	16400.	25100.	15000.	6020.	3440.	4610.
7440-36-0	Antimony (Sb)	0.55 B	0.31 B	0.29 U	0.26 U	0.21 U	0.52 B
7440-38-2	Arsenic (As)	7.8	19.4	15.9	8.2	5.5	19.9 E
7440-39-3	Barium (Ba)	21.5	38.3	28.6	8.7	7.5	13.4
7440-41-7	Beryllium (Be)	1.5	1.5	1.1	0.6 B	0.24 B	0.95
7440-43-9	Cadmium (Cd)	0.08 U	0.05 U	0.06 U	0.05 U	0.04 U	0.26 B
7440-70-2	Calcium (Ca)	2650.	5060.	22800.	1410.	400.	57900.
7440-47-3	Chromium (Cr)	37.1	43.4	28.1	16.1	8.4	18.2
7440-48-4	Cobalt (Co)	6.3 B	8.6	6.8	2.3 B	0.7 B	8.9
7440-50-8	Copper (Cu)	7.3	33.6	23.6	3.3 B	1.4 B	19.1
7439-89-6	Iron (Fe)	26100.	42900.	25200.	13300.	7760.	11400.
7439-92-1	Lead (Pb)	13.5	53.	33.1	6.2	2.5	5.3
7439-95-4	Magnesium (Mg)	6410. E	5350. E	4080. E	2510. E	576. E	1970.
7439-96-5	Manganese (Mn)	289.	780.	513.	121.	11.3	123.
7439-97-6	Mercury (Hg)	0.06 B*	0.83 *	0.24 *	0.03 B*	0.04 B*	0.09
7440-02-0	Nickel (Ni)	10.9 E	12.8 E	11.3 E	4.4 BE	0.89 BE	24.2
7440-09-7	Potassium (K)	3720. E	3100. E	1980. E	1480. E	382. BE	537. B
7782-49-2	Selenium (Se)	2.4	2.8	1.9	1.1	0.62 B	1.8
7440-22-4	Silver (Ag)	0.26 U	0.18 U	0.18 U	0.16 U	0.13 U	0.21 U
7440-23-5	Sodium (Na)	13100.	4200.	3300.	2790.	832.	562.
7440-28-0	Thallium (Tl)	3.2	5.8	2.8	1.3 B	0.77 B	1.2 B
7440-62-2	Vanadium (V)	36.1	85.3	49.5	20.5	13.1	12.3
7440-66-6	Zinc (Zn)	39.3	120.	97.3	17.4	4.	68.9
7440-31-5	Tin (Sn)	3.6 U	3.3 B	2.6 U	2.2 U	1.8 U	0.62 B
57-12-5	Cyanide (CN)	NR	NR	NR	NR	NR	NR

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-META						
SAMPLE ID ------->	044-S-S002-01	044-S-S003-01	044-S-S004-01	044-S-S005-01	044-S-S006-01	044-S-S007-01
ORIGINAL ID ----->	044SS00201	044SS00301	044SS00401	044SS00501	044SS00601	044SS00701
LAB SAMPLE ID --->	30257.02	30257.03	30257.04	30257.05	30257.06	30291.02
ID FROM REPORT -->	044SS00201	044SS00301	044SS00401	044SS00501	044SS00601	044SS00701
SAMPLE DATE ----->	07/23/97	07/23/97	07/23/97	07/23/97	07/23/97	07/24/97
DATE EXTRACTED -->	07/30/97	07/30/97	07/30/97	07/30/97	07/30/97	07/30/97
DATE ANALYZED --->	08/11/97	08/11/97	08/11/97	08/11/97	08/11/97	08/11/97
MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
UNITS ----------->	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG

CAS #	Parameter	30257	NV	30257	NV	30257	NV	30257	NV	30257	NV	30257	NV
7429-90-5	Aluminum (Al)	5560.		5680.		3810.		6290.		8560.		2140.	
7440-36-0	Antimony (Sb)	0.32	U	0.53	B	0.33	B	0.71	B	1.	B	1.1	B
7440-38-2	Arsenic (As)	22.2	E	19.3	E	3.3	E	21.6	E	98.5	E	45.6	E
7440-39-3	Barium (Ba)	9.6		17.9		8.4		25.5		62.		45.2	
7440-41-7	Beryllium (Be)	1.1		0.85		0.52	B	0.7		1.2		0.98	
7440-43-9	Cadmium (Cd)	0.06	U	0.06	U	0.12	B	0.06	U	0.08	U	0.07	U
7440-70-2	Calcium (Ca)	15000.		56100.		74100.		1160.		7850.		3860.	
7440-47-3	Chromium (Cr)	11.2		19.6		21.7		13.6		45.1		22.1	
7440-48-4	Cobalt (Co)	4.9		5.9		0.99	B	1.7	B	5.6		6.2	
7440-50-8	Copper (Cu)	36.		17.8		5.1		22.4		69.4		29.3	
7439-89-6	Iron (Fe)	11400.		12700.		4320.		10500.		90500.		14500.	
7439-92-1	Lead (Pb)	4.1		7.4		4.2		33.4		49.7		51.5	
7439-95-4	Magnesium (Mg)	620.		1930.		2330.		703.		1870.		508.	
7439-96-5	Manganese (Mn)	47.1		77.1		53.3		23.4		37.5		92.	
7439-97-6	Mercury (Hg)	0.07		0.08		0.06		0.34		0.14		0.27	
7440-02-0	Nickel (Ni)	19.		18.6		10.2		5.5		21.3		27.4	
7440-09-7	Potassium (K)	426.	B	644.		553.	B	474.	B	3620.		278.	B
7782-49-2	Selenium (Se)	1.4		1.9		0.93		1.6		6.1		2.5	
7440-22-4	Silver (Ag)	0.2	U	0.19	U	0.2	U	0.21	U	0.26	U	0.22	U
7440-23-5	Sodium (Na)	314.		621.		575.		882.		2880.		278.	
7440-28-0	Thallium (Tl)	0.75	B	0.84	B	0.53	U	0.56	U	8.3		0.68	B
7440-62-2	Vanadium (V)	8.4		15.		13.4		21.9		45.7		19.6	
7440-66-6	Zinc (Zn)	42.2		53.1		25.7		38.3		78.8		105.	
7440-31-5	Tin (Sn)	0.7	B	1.2	B	0.8	B	2.8	B	2.6	B	2.6	B
57-12-5	Cyanide (CN)	NR		NR		NR		NR		NR		NR	

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-META	SAMPLE ID ------->	044-S-S008-01	044-S-S009-01	044-C-S009-01	044-G-W001-01	044-G-W002-01	044-G-W003-01
	ORIGINAL ID ----->	044SS00801	044SS00901	044CS00901	044GW00101	044GW00201	044GW00301
	LAB SAMPLE ID --->	30291.01	30339.01	30339.02	731435	731434	731433
	ID FROM REPORT -->	044SS00801	044SS00901	044CS00901	044GW00101	044GW00201	044GW00301
	SAMPLE DATE ----->	07/24/97	07/28/97	07/28/97	06/13/95	06/13/95	06/13/95
	DATE EXTRACTED -->	07/30/97	08/06/97	08/06/97			
	DATE ANALYZED --->	08/11/97	08/17/97	08/15/97			
	MATRIX ---------->	Soil	Soil	Soil	Water	Water	Water
	UNITS ----------->	MG/KG	MG/KG	MG/KG	UG/L	UG/L	UG/L

CAS #	Parameter	30257	NV	30257	NV	30257	NV	21518M	VAL	21518M	VAL	21518M	VAL
7429-90-5	Aluminum (Al)	3630.		11700.		11600.		38000.	J	1660.	J	2660.	J
7440-36-0	Antimony (Sb)	0.56	B	0.46	B	0.42	B	3.9	J	1.9	U	1.9	U
7440-38-2	Arsenic (As)	15.7	E	25.6	E	31.5	E	3.9	J	3.2	U	3.2	U
7440-39-3	Barium (Ba)	28.6		24.8		20.3		6.4	J	60.2	J	29.2	J
7440-41-7	Beryllium (Be)	0.49	B	0.84		0.83		21.9		0.26	U	0.33	U
7440-43-9	Cadmium (Cd)	0.06	U	0.07	U	0.06	U	0.3	U	0.3	U	0.3	U
7440-70-2	Calcium (Ca)	8790.		120000.		74600.		341000.	J	347000.	J	447000.	J
7440-47-3	Chromium (Cr)	57.3		43.8		35.6		1.3	J	2.5	J	3.3	J
7440-48-4	Cobalt (Co)	2.4		4.3		3.5		75.5		2.4	J	58.3	
7440-50-8	Copper (Cu)	24.4		22.6		16.2		18.2	J	3.8	J	3.	J
7439-89-6	Iron (Fe)	8570.		16700.		14900.		239000.		5640.		67800.	
7439-92-1	Lead (Pb)	33.3		14.2		14.6		19.8	J	4.4	J	7.8	J
7439-95-4	Magnesium (Mg)	522.		4660.		3990.		26000.		23200.		45500.	
7439-96-5	Manganese (Mn)	58.		126.		108.		1940.		673.		1160.	
7439-97-6	Mercury (Hg)	0.1		0.15		0.12		0.2	U	0.2	U	0.2	U
7440-02-0	Nickel (Ni)	7.1		26.1		20.3		221.		3.	J	84.4	
7440-09-7	Potassium (K)	285.	B	1380.		1280.		7460.	J	9910.	J	7170.	J
7782-49-2	Selenium (Se)	0.53	B	1.9		1.9		7.2		4.4	U	4.4	U
7440-22-4	Silver (Ag)	0.2	U	0.24	U	0.21	U	0.5	U	0.5	U	0.5	U
7440-23-5	Sodium (Na)	273.		1300.		1080.		22100.		13200.		20700.	
7440-28-0	Thallium (Tl)	0.55	U	0.64	U	0.57	U	4.5	U	4.5	U	4.5	U
7440-62-2	Vanadium (V)	10.4		33.8		31.5		26.	J	3.2	U	6.3	J
7440-66-6	Zinc (Zn)	89.3		79.		59.8		592.	J	608.	J	124.	J
7440-31-5	Tin (Sn)	2.2	B	2.4	B	1.6		5.9	U	5.9	U	5.9	U
57-12-5	Cyanide (CN)	NR		NR		NR		NR		NR		NR	

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-META	SAMPLE ID ------->	044-G-W004-01		044-H-W004-01		044-G-W005-01		044-G-W006-01		044-G-W007-01		044-G-W008-01	
	ORIGINAL ID ----->	044GW00401		044HW00401		044GW00501		044GW00601		044GW00701		044GW00801	
	LAB SAMPLE ID --->	731409		731374		731428		709186		731943		731953	
	ID FROM REPORT -->	044GW00401		044HW00401		044GW00501		044GW00601		044GW00701		044GW00801	
	SAMPLE DATE ----->	06/13/95		06/13/95		06/13/95		04/25/95		06/14/95		06/14/95	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	21518M	VAL	21518M	VAL	21518M	VAL	50016M	VAL	21518M	VAL	21518M	VAL
7429-90-5	Aluminum (Al)	2510.	J	2770.	J	481.	J	119.	J	2110.	J	214.	J
7440-36-0	Antimony (Sb)	3.3	J	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
7440-38-2	Arsenic (As)	11.6		10.6		3.2	U	3.2	U	12.3		15.3	
7440-39-3	Barium (Ba)	53.4	J	42.	J	45.6	J	56.	J	22.6	J	41.6	J
7440-41-7	Beryllium (Be)	0.42	U	0.36	U	0.41	U	0.2	U	0.24	U	0.22	U
7440-43-9	Cadmium (Cd)	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
7440-70-2	Calcium (Ca)	377000.	J	374000.	J	359000.	J	327000.		85000.	J	159000.	J
7440-47-3	Chromium (Cr)	7.1	J	5.6	J	2.6	J	3.4	J	4.5	J	1.8	J
7440-48-4	Cobalt (Co)	0.6	U	0.6	U	0.6	U	0.96	J	0.6	U	0.6	U
7440-50-8	Copper (Cu)	15.6	J	8.4	J	3.2	J	4.	U	8.8	J	2.	J
7439-89-6	Iron (Fe)	18500.		18600.		2660.		851.		8710.		3800.	
7439-92-1	Lead (Pb)	12.6	J	6.7	J	2.2	J	2.4	J	4.9	J	3.	J
7439-95-4	Magnesium (Mg)	138000.		137000.		653000.		245000.		86500.		71000.	
7439-96-5	Manganese (Mn)	1350.		1340.		1040.		1990.		418.		944.	
7439-97-6	Mercury (Hg)	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
7440-02-0	Nickel (Ni)	16.8	J	5.8	J	3.2	J	2.6	J	4.9	J	2.	J
7440-09-7	Potassium (K)	54600.	J	54100.	J	282000.	J	148000.		87400.	J	59100.	J
7782-49-2	Selenium (Se)	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
7440-22-4	Silver (Ag)	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
7440-23-5	Sodium (Na)	149000.		147000.		4640000.		1690000.		784000.		488000.	
7440-28-0	Thallium (Tl)	4.5	U	4.5	U	4.5	U	4.5	UJ	4.5	U	4.5	U
7440-62-2	Vanadium (V)	6.1	J	6.9	J	2.1	U	9.9	J	6.9	J	1.3	U
7440-66-6	Zinc (Zn)	113.	J	28.3	J	18.1	J	19.9	J	24.7	J	36.	J
7440-31-5	Tin (Sn)	5.9	U	5.9	U	5.9	U	5.9	UJ	5.9	U	5.9	U
57-12-5	Cyanide (CN)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-META	SAMPLE ID ------->	047-S-B001-01	047-S-B001-02	047-S-B002-01	047-S-B003-01	047-S-B003-02	047-S-B004-01
	ORIGINAL ID ----->	047SB00101	047SB00102	047SB00201	047SB00301	047SB00302	047SB00401
	LAB SAMPLE ID --->	697958	697978	697984	703320	703321	703314
	ID FROM REPORT -->	047SB00101	047SB00102	047SB00201	047SB00301	047SB00302	047SB00401
	SAMPLE DATE ----->	04/03/95	04/03/95	04/03/95	04/13/95	04/13/95	04/13/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG

CAS #	Parameter	50004M	VAL	50004M	VAL	50004M	VAL	50010M	VAL	50010M	VAL	50010M	VAL
7429-90-5	Aluminum (Al)	7590.		7970.		13900.		5440.		3390.		6210.	
7440-36-0	Antimony (Sb)	0.22	UJ	0.25	UJ	0.21	UJ	0.24	UJ	0.57	J	0.21	UJ
7440-38-2	Arsenic (As)	0.38	J	0.61	J	1.1	J	4.4		2.6	J	0.36	UJ
7440-39-3	Barium (Ba)	19.2	J	14.	J	21.3	J	13.6	J	11.1	J	16.3	J
7440-41-7	Beryllium (Be)	0.22	U	0.28	U	0.13	U	0.33	U	0.25	U	0.11	U
7440-43-9	Cadmium (Cd)	0.04	U	0.04	U	0.03	U	0.28	U	0.39	U	0.03	U
7440-70-2	Calcium (Ca)	422.	J	1120.		12700.		63100.	J	61800.	J	1150.	J
7440-47-3	Chromium (Cr)	4.8		5.2		13.7		28.7		32.		10.1	
7440-48-4	Cobalt (Co)	0.89	J	0.56	J	1.1	J	4.8	J	1.1	J	0.51	U
7440-50-8	Copper (Cu)	1.3	J	5.5	J	3.7	J	10.1		8.1		1.2	J
7439-89-6	Iron (Fe)	1460.		2710.		3400.		5290.		2920.		2900.	
7439-92-1	Lead (Pb)	3.9	J	10.8	J	11.	J	9.1		2.4		6.5	
7439-95-4	Magnesium (Mg)	278.	J	373.	J	497.	J	2710.		4630.		425.	J
7439-96-5	Manganese (Mn)	7.6		14.1		16.6		52.3		31.2		4.5	
7439-97-6	Mercury (Hg)	0.12	U	0.13	U	0.18		0.12	U	0.13	U	0.11	U
7440-02-0	Nickel (Ni)	2.9	J	1.8	J	3.8	J	9.6		11.2		1.1	J
7440-09-7	Potassium (K)	170.	J	134.	J	515.	J	1010.		918.		205.	J
7782-49-2	Selenium (Se)	0.52	UJ	0.58	J	0.49	UJ	1.5	J	1.6	J	0.79	J
7440-22-4	Silver (Ag)	0.06	U	0.06	U	0.06	U	0.06	U	0.07	U	0.06	U
7440-23-5	Sodium (Na)	181.	U	153.	U	78.9	U	1000.		1020.		194.	U
7440-28-0	Thallium (Tl)	0.53	U	0.58	U	0.5	U	0.56	U	0.6	U	0.5	U
7440-62-2	Vanadium (V)	4.1	J	3.8	J	14.8		17.6		18.2		12.7	
7440-66-6	Zinc (Zn)	7.3	J	24.2	J	14.7	J	23.9		25.3		10.1	
7440-31-5	Tin (Sn)	1.4	J	1.3	J	1.2	J	0.73	U	0.79	U	1.2	J
57-12-5	Cyanide (CN)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-META	SAMPLE ID ------->	047-C-B004-01		047-S-B004-02		047-S-B005-01		047-S-B005-02		047-S-B006-01		047-S-B007-01	
	ORIGINAL ID ----->	047CB00401		047SB00402		047SB00501		047SB00502		047SB00601		047SB00701	
	LAB SAMPLE ID --->	703326		703316		697011		697017		697023		703493	
	ID FROM REPORT -->	047CB00401		047SB00402		MAC007		MAC008		MAC009		047SB00701	
	SAMPLE DATE ----->	04/13/95		04/13/95		03/31/95		03/31/95		03/31/95		04/14/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	50010M	VAL	50010M	VAL	50003M	VAL	50003M	VAL	50003M	VAL	50012M	VAL
7429-90-5	Aluminum (Al)	9300.		5360.		3610.		1030.		4460.		6580.	
7440-36-0	Antimony (Sb)	0.21	UJ	0.23	UJ	0.32	UJ	0.23	UJ	0.31	UJ	1.9	J
7440-38-2	Arsenic (As)	0.35	UJ	0.47	J	1.7	UJ	0.39	U	4.1	UJ	27.8	
7440-39-3	Barium (Ba)	17.7	J	25.9		18.2	J	5.2	J	29.5		170.	
7440-41-7	Beryllium (Be)	0.15	U	0.2	U	0.19	UJ	0.05	UJ	0.15	UJ	0.38	J
7440-43-9	Cadmium (Cd)	0.03	U	0.04	U	0.16	UJ	0.04	U	0.03	U	2.9	
7440-70-2	Calcium (Ca)	1840.	J	1610.	J	652.	J	115.	J	2070.		15900.	
7440-47-3	Chromium (Cr)	13.7		5.4		5.5		1.2	J	8.9		24.	
7440-48-4	Cobalt (Co)	0.9	J	0.81	J	0.57	J	0.13	J	1.7	J	8.2	
7440-50-8	Copper (Cu)	1.7	J	15.2		8.2		0.56	UJ	15.9		416.	
7439-89-6	Iron (Fe)	4070.		2710.		1670.		678.		12100.		63900.	
7439-92-1	Lead (Pb)	6.7		54.6		189.		2.7		53.5		1120.	
7439-95-4	Magnesium (Mg)	546.	J	309.	J	134.	J	41.1	J	263.	J	1170.	
7439-96-5	Manganese (Mn)	6.1		34.2		31.3		3.1		50.7		331.	
7439-97-6	Mercury (Hg)	0.09	U	0.11	U	0.11	U	0.12	U	0.11	U	2.2	
7440-02-0	Nickel (Ni)	2.1	J	2.1	J	2.	J	0.38	J	3.4	J	26.5	
7440-09-7	Potassium (K)	291.	J	165.	J	67.1	U	34.7	U	174.	J	470.	J
7782-49-2	Selenium (Se)	0.49	UJ	0.72	J	0.47	J	0.53	UJ	0.72	J	2.4	
7440-22-4	Silver (Ag)	0.06	U	0.06	U	0.05	UJ	0.06	UJ	0.05	UJ	0.06	U
7440-23-5	Sodium (Na)	183.	U	187.	U	143.	U	163.	U	150.	U	610.	J
7440-28-0	Thallium (Tl)	0.5	U	0.54	U	0.48	U	0.54	U	0.47	U	2.1	
7440-62-2	Vanadium (V)	16.		5.7	J	4.9	J	1.1	J	8.2		44.1	
7440-66-6	Zinc (Zn)	13.5		63.4		98.1		2.5		89.2		1100.	
7440-31-5	Tin (Sn)	0.65	U	1.4	J	2.2	J	1.2	J	3.2	J	46.7	J
57-12-5	Cyanide (CN)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-META	SAMPLE ID ------->	047-S-B007-02		047-S-B008-01		047-S-B008-02		047-S-B009-01		047-C-B009-01		047-S-B009-02	
	ORIGINAL ID ----->	047SB00702		047SB00801		047SB00802		047SB00901		047CB00901		047SB00902	
	LAB SAMPLE ID --->	703499		703322		703327		703448		703530		703470	
	ID FROM REPORT -->	047SB00702		047SB00801		047SB00802		047SB00901		047CB00901		047SB00902	
	SAMPLE DATE ----->	04/14/95		04/13/95		04/13/95		04/14/95		04/14/95		04/14/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	50012M	VAL	50010M	VAL	50010M	VAL	50012M	VAL	50012M	VAL	50012M	VAL
7429-90-5	Aluminum (Al)	2660.		6110.		22300.		3260.		2830.		9210.	
7440-36-0	Antimony (Sb)	1.4	J	0.4	J	0.28	UJ	1.8	J	0.84	J	0.22	J
7440-38-2	Arsenic (As)	9.6		3.	J	12.2		8.6		7.9		3.	
7440-39-3	Barium (Ba)	273.		42.1		36.		68.4		52.2		109.	
7440-41-7	Beryllium (Be)	0.62	J	0.49	U	1.1		0.36	J	0.38	J	0.29	U
7440-43-9	Cadmium (Cd)	2.8		0.1	U	0.35	U	0.46	U	0.31	U	0.51	U
7440-70-2	Calcium (Ca)	5900.		15100.	J	5410.	J	24400.		11800.		35500.	
7440-47-3	Chromium (Cr)	12.9		16.6		37.7		37.6		25.4		21.7	
7440-48-4	Cobalt (Co)	6.6	J	9.7		7.2	J	5.1	J	4.8	J	1.4	J
7440-50-8	Copper (Cu)	1650.		117.		41.4		131.		51.		399.	
7439-89-6	Iron (Fe)	45200.		8290.		28400.		7300.		7170.		9240.	
7439-92-1	Lead (Pb)	1190.		132.		50.7		312.		97.1		252.	
7439-95-4	Magnesium (Mg)	570.	J	911.		3130.		1390.		684.		1950.	
7439-96-5	Manganese (Mn)	254.		54.2		276.		52.1		24.6		38.8	
7439-97-6	Mercury (Hg)	8.2		0.17		0.62		0.41		0.23		0.52	
7440-02-0	Nickel (Ni)	60.7		16.8		11.4		11.2		13.2		14.4	
7440-09-7	Potassium (K)	166.	J	364.	J	2120.		327.	J	285.	J	627.	J
7782-49-2	Selenium (Se)	2.5		0.73	J	1.9	J	0.55	J	0.66		1.2	
7440-22-4	Silver (Ag)	0.07	U	0.06	U	0.07	U	0.06	U	0.06	U	0.06	U
7440-23-5	Sodium (Na)	455.	J	405.	J	283.	J	336.	J	255.	J	427.	J
7440-28-0	Thallium (Tl)	1.8		0.5	U	0.67	U	0.51	U	0.51	U	0.51	U
7440-62-2	Vanadium (V)	78.8		13.3		64.3		12.3		11.7		17.2	
7440-66-6	Zinc (Zn)	1320.		505.		123.		312.		165.		145.	
7440-31-5	Tin (Sn)	365.	J	24.		0.87	U	27.1	J	8.7	J	56.7	J
57-12-5	Cyanide (CN)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-META	SAMPLE ID ------>	047-S-B010-01		047-S-B011-01		047-S-B011-02		047-S-B012-01		047-S-B012-02		047-S-B013-01	
	ORIGINAL ID ----->	047SB01001		047SB01101		047SB01102		047SB01201		047SB01202		047SB01301	
	LAB SAMPLE ID --->	703487		703318		703317		703319		703339		703323	
	ID FROM REPORT -->	047SB01001		047SB01101		047SB01102		047SB01201		047SB01202		047SB01301	
	SAMPLE DATE ----->	04/14/95		04/13/95		04/13/95		04/13/95		04/13/95		04/13/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	50012M	VAL	50010M	VAL	50010M	VAL	50010M	VAL	50010M	VAL	50010M	VAL
7429-90-5	Aluminum (Al)	11800.		5470.		3840.		3450.		4940.		3730.	
7440-36-0	Antimony (Sb)	0.24	UJ	0.2	UJ	0.23	UJ	0.2	UJ	0.21	UJ	0.21	UJ
7440-38-2	Arsenic (As)	3.3		0.34	UJ	0.38	UJ	3.	J	0.35	UJ	0.35	UJ
7440-39-3	Barium (Ba)	33.9		15.5	J	11.8	J	9.9	J	17.	J	10.6	J
7440-41-7	Beryllium (Be)	0.5	J	0.38	U	0.14	U	0.1	U	0.22	U	0.13	U
7440-43-9	Cadmium (Cd)	0.38	U	0.03	U	0.04	U	0.03	U	0.03	U	0.03	U
7440-70-2	Calcium (Ca)	47000.		1740.	J	1770.	J	5540.	J	2090.	J	298.	J
7440-47-3	Chromium (Cr)	44.6		2.8		2.7		7.5		3.2		3.8	
7440-48-4	Cobalt (Co)	2.3	J	0.71	J	0.66	U	0.6	U	0.72	J	0.36	U
7440-50-8	Copper (Cu)	6.9		1.5	J	0.91	J	3.6		1.	J	1.9	J
7439-89-6	Iron (Fe)	8650.		1560.		1100.		1240.		1530.		1460.	
7439-92-1	Lead (Pb)	6.9		3.3		3.		6.9		3.		5.3	
7439-95-4	Magnesium (Mg)	3650.		192.	J	155.	J	229.	J	221.	J	140.	J
7439-96-5	Manganese (Mn)	50.		36.3		5.8		14.8		8.9		15.	
7439-97-6	Mercury (Hg)	0.13		0.1	U	0.11	U	0.11	U	0.1	U	0.1	U
7440-02-0	Nickel (Ni)	8.9		2.4	J	1.9	J	1.7	J	2.4	J	1.1	J
7440-09-7	Potassium (K)	1010.	J	91.9	J	85.8	J	81.3	J	107.	J	106.	J
7782-49-2	Selenium (Se)	0.89		0.47	UJ	0.53	UJ	0.46	UJ	0.49	UJ	0.48	UJ
7440-22-4	Silver (Ag)	0.06	U	0.05	U	0.06	U	0.05	U	0.06	U	0.05	U
7440-23-5	Sodium (Na)	883.	J	126.	U	138.	U	116.	U	140.	U	148.	U
7440-28-0	Thallium (Tl)	0.57	U	0.48	U	0.54	U	0.47	U	0.5	U	0.49	U
7440-62-2	Vanadium (V)	25.3		1.8	J	1.9	J	2.3	J	2.7	J	2.5	J
7440-66-6	Zinc (Zn)	29.3		5.2	J	4.3	J	18.8		6.1	J	10.6	
7440-31-5	Tin (Sn)	0.74	UJ	0.64	U	0.8	J	0.62	U	0.67	J	0.94	J
57-12-5	Cyanide (CN)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-META	SAMPLE ID ------->	047-S-B013-02		047-S-B015-01		047-S-B015-02		047-G-W001-01		047-G-W002-01		047-G-W003-01	
	ORIGINAL ID ----->	047SB01302		047SB01501		047SB01502		047GW00101		047GW00201		047GW00301	
	LAB SAMPLE ID --->	703324		703312		703313		731750		731766		731736	
	ID FROM REPORT -->	047SB01302		047SB01501		047SB01502		047GW00101		047GW00201		047GW00301	
	SAMPLE DATE ----->	04/13/95		04/13/95		04/13/95		06/14/95		06/14/95		06/14/95	
	MATRIX ---------->	Soil		Soil		Soil		Water		Water		Water	
	UNITS ---------->	MG/KG		MG/KG		MG/KG		UG/L		UG/L		UG/L	
CAS #	Parameter	50010M	VAL	50010M	VAL	50010M	VAL	1517MI	VAL	1517MI	VAL	1517MI	VAL
7429-90-5	Aluminum (Al)	2670.		3560.		9760.		69.8	UJ	97.2	UJ	61.8	UJ
7440-36-0	Antimony (Sb)	0.22	UJ	0.2	UJ	0.28	UJ	53.1	J	1.9	U	1.9	U
7440-38-2	Arsenic (As)	0.37	UJ	0.34	UJ	2.1	J	6.1	J	9.2	J	3.2	U
7440-39-3	Barium (Ba)	12.6	J	7.4	J	30.7		6.5	U	9.5	U	19.8	U
7440-41-7	Beryllium (Be)	0.09	U	0.08	U	0.35	U	0.2	U	0.2	U	0.2	U
7440-43-9	Cadmium (Cd)	0.03	U	0.03	U	0.04	U	0.3	U	0.3	U	0.3	U
7440-70-2	Calcium (Ca)	171.	J	3450.	J	3910.	J	16200.		30900.		67100.	
7440-47-3	Chromium (Cr)	3.9		4.8		14.8		0.9	UJ	0.9	UJ	1.3	J
7440-48-4	Cobalt (Co)	0.46	U	0.42	U	2.3	J	0.6	U	0.6	U	0.6	U
7440-50-8	Copper (Cu)	1.	J	1.3	J	15.6		0.7	UJ	0.7	UJ	2.	UJ
7439-89-6	Iron (Fe)	1630.		924.		8240.		2420.		16300.		992.	
7439-92-1	Lead (Pb)	2.1		7.6		45.8		467.		3.7	U	3.1	U
7439-95-4	Magnesium (Mg)	196.	J	178.	J	1090.		1440.	J	6480.		8120.	
7439-96-5	Manganese (Mn)	11.5		7.		60.1		35.2		95.1		37.8	
7439-97-6	Mercury (Hg)	0.11	U	0.1	U	0.13	U	0.2	U	0.2	U	0.2	U
7440-02-0	Nickel (Ni)	1.3	J	0.73	J	4.5	J	1.4	U	1.4	U	1.4	U
7440-09-7	Potassium (K)	107.	J	97.3	J	604.	J	1850.	J	1790.	J	5730.	J
7782-49-2	Selenium (Se)	0.51	UJ	0.46	UJ	1.2	J	4.4	U	4.4	U	4.4	U
7440-22-4	Silver (Ag)	0.06	U	0.05	U	0.07	U	0.5	U	0.5	U	0.62	J
7440-23-5	Sodium (Na)	139.	U	123.	U	217.	U	11600.		26700.		36900.	
7440-28-0	Thallium (Tl)	0.52	U	0.47	U	0.66	U	4.5	U	4.5	U	4.5	U
7440-62-2	Vanadium (V)	3.3	J	1.7	J	17.2		0.5	J	1.5	J	2.2	J
7440-66-6	Zinc (Zn)	3.4	J	25.1		90.4		6.3	U	7.5	U	2.1	U
7440-31-5	Tin (Sn)	0.87	J	1.4	J	1.5	J	56.3	U	56.3	U	77.6	
57-12-5	Cyanide (CN)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-META															
	SAMPLE ID ------>	047-G-W004-01		047-G-W005-01		047-H-W005-01		047-G-W006-01		047-G-W007-01		047-G-W008-01	
	ORIGINAL ID ----->	047GW00401		047GW00501		047HW00501		047GW00601		047GW00701		047GW00801	
	LAB SAMPLE ID --->	733200		731839		731866		732740		731696		732682	
	ID FROM REPORT -->	047GW00401		047GW00501		047HW00501		047GW00601		047GW00701		047GW00801	
	SAMPLE DATE ----->	06/15/95		06/14/95		06/14/95		06/15/95		06/14/95		06/15/95	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	21518M	VAL	1517MI	VAL	21518M	VAL	21518M	VAL	1517MI	VAL	1517MI	VAL
7429-90-5	Aluminum (Al)	574.	J	1330.		626.	J	524.	J	275.		201.	UJ
7440-36-0	Antimony (Sb)	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
7440-38-2	Arsenic (As)	3.2	U	3.2	U	3.2	U	7.1	J	3.2	U	3.2	U
7440-39-3	Barium (Ba)	18.2	J	15.5	U	13.4	J	31.8	J	40.2	U	22.4	U
7440-41-7	Beryllium (Be)	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
7440-43-9	Cadmium (Cd)	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
7440-70-2	Calcium (Ca)	32200.	J	6170.		7390.	J	156000.	J	35500.		10100.	
7440-47-3	Chromium (Cr)	1.3	J	3.4	J	1.3	J	1.4	J	0.93	J	0.9	UJ
7440-48-4	Cobalt (Co)	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U
7440-50-8	Copper (Cu)	2.1	J	3.5	UJ	4.2	J	3.6	J	0.78	UJ	0.7	UJ
7439-89-6	Iron (Fe)	8000.		948.		561.		978.		182.		305.	
7439-92-1	Lead (Pb)	4.8	J	6.9	U	4.9	J	8.8	J	3.4	U	4.	U
7439-95-4	Magnesium (Mg)	24100.		3260.	J	3840.	J	5040.		4200.	J	1900.	J
7439-96-5	Manganese (Mn)	176.		27.1		28.9		70.2		33.4		27.9	
7439-97-6	Mercury (Hg)	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
7440-02-0	Nickel (Ni)	1.4	U	1.4	U	2.3	J	4.4	J	1.4	U	1.4	U
7440-09-7	Potassium (K)	10900.	J	4200.	J	4660.	J	5450.	J	1990.	J	1420.	J
7782-49-2	Selenium (Se)	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
7440-22-4	Silver (Ag)	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
7440-23-5	Sodium (Na)	42400.		39800.		42700.		5290.		6500.		9510.	
7440-28-0	Thallium (Tl)	4.5	U	4.5	U	4.5	U	4.5	U	4.5	U	4.5	U
7440-62-2	Vanadium (V)	1.3	U	7.	J	4.4	J	1.3	U	1.6	J	0.79	J
7440-66-6	Zinc (Zn)	26.8	J	26.9		27.1	J	43.3	J	4.6	U	69.4	
7440-31-5	Tin (Sn)	5.9	U	56.3	U	5.9	U	5.9	U	56.3	U	56.3	U
57-12-5	Cyanide (CN)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-META	SAMPLE ID ------>	047-G-W009-01	047-G-W010-01	047-G-W011-01	047-G-W012-01	047-G-W013-01	047-G-W015-01
	ORIGINAL ID ----->	047GW00901	047GW01001	047GW01101	047GW01201	047GW01301	047GW01501
	LAB SAMPLE ID --->	732691	731681	732713	732671	731743	732658
	ID FROM REPORT -->	047GW00901	047GW01001	047GW01101	047GW01201	047GW01301	047GW01501
	SAMPLE DATE ----->	06/15/95	06/14/95	06/15/95	06/15/95	06/14/95	06/15/95
	MATRIX ---------->	Water	Water	Water	Water	Water	Water
	UNITS ---------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	1517MI	VAL	1517MI	VAL	21518M	VAL	1517MI	VAL	1517MI	VAL	1517MI	VAL
7429-90-5	Aluminum (Al)	142.	UJ	291.		276.	J	169.	UJ	98.6	UJ	568.	
7440-36-0	Antimony (Sb)	1.9	U	1.9	U	1.9	U	1.9	U	3.1	J	1.9	U
7440-38-2	Arsenic (As)	3.2	U	3.2	U	46.3		3.2	U	3.2	U	3.9	J
7440-39-3	Barium (Ba)	45.8	J	93.4	J	60.7	J	14.1	U	11.	U	32.	U
7440-41-7	Beryllium (Be)	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
7440-43-9	Cadmium (Cd)	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
7440-70-2	Calcium (Ca)	51800.		45600.		60100.	J	16800.		34200.		67400.	
7440-47-3	Chromium (Cr)	0.97	J	1.2	J	0.9	U	0.9	UJ	0.9	UJ	3.5	J
7440-48-4	Cobalt (Co)	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U	1.3	J
7440-50-8	Copper (Cu)	5.	UJ	2.7	UJ	2.3	J	0.7	UJ	0.7	UJ	2.8	UJ
7439-89-6	Iron (Fe)	5170.		2880.		5690.		755.		8590.		25700.	
7439-92-1	Lead (Pb)	3.9	U	10.4	U	4.6	J	3.1	U	4.5	U	4.9	U
7439-95-4	Magnesium (Mg)	7830.		4560.	J	8950.		4370.	J	4440.	J	19900.	
7439-96-5	Manganese (Mn)	86.8		176.		313.		23.7		204.		598.	
7439-97-6	Mercury (Hg)	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
7440-02-0	Nickel (Ni)	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	3.1	J
7440-09-7	Potassium (K)	4300.	J	1230.	J	5080.	J	2400.	J	3710.	J	12700.	J
7782-49-2	Selenium (Se)	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.5	J
7440-22-4	Silver (Ag)	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
7440-23-5	Sodium (Na)	12100.		10800.		32500.		28100.		11600.		34000.	
7440-28-0	Thallium (Tl)	4.5	U	4.5	U	4.5	U	4.5	U	4.5	U	4.5	U
7440-62-2	Vanadium (V)	0.75	J	1.3	J	0.97	U	0.48	J	1.1	J	7.3	J
7440-66-6	Zinc (Zn)	106.		14.8	J	18.3	J	83.4		4.3	U	104.	
7440-31-5	Tin (Sn)	56.3	U	56.3	U	9.7	J	56.3	U	56.3	U	56.3	U
57-12-5	Cyanide (CN)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-META	SAMPLE ID ------->	508-S-B001-01		508-S-B002-01		508-S-B003-01		508-S-B004-01		508-S-B004-02		508-S-B005-01	
	ORIGINAL ID ----->	508SB00101		508SB00201		508SB00301		508SB00401		508SB00402		508SB00501	
	LAB SAMPLE ID --->	692020		692033		692026		692063		692049		692013	
	ID FROM REPORT -->	508SB00101		508SB00201		508SB00301		508SB00401		508SB00402		508SB00501	
	SAMPLE DATE ----->	03/21/95		03/21/95		03/21/95		03/21/95		03/21/95		03/21/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	0002MI	VAL	0002MI	VAL	0002MI	VAL	0002MI	VAL	0002MI	VAL	0002MI	VAL
7429-90-5	Aluminum (Al)	5140.		4260.		5040.		3830.		925.		5150.	
7440-36-0	Antimony (Sb)	0.36	J	0.21	UJ	0.22	UJ	0.2	UJ	0.2	UJ	0.2	UJ
7440-38-2	Arsenic (As)	2.2		1.3		3.6		1.2		0.37	U	1.2	
7440-39-3	Barium (Ba)	6.4	J	20.6	J	74.3		19.	J	2.3	J	37.4	
7440-41-7	Beryllium (Be)	0.1	J	0.12	J	0.19	J	0.1	J	0.03	J	0.11	J
7440-43-9	Cadmium (Cd)	0.05	U	0.27	J	0.46	J	0.05	U	0.05	U	0.1	J
7440-70-2	Calcium (Ca)	639.		1410.		2620.		1300.		225.	J	3380.	
7440-47-3	Chromium (Cr)	6.2		6.5		11.9		4.2		1.4		7.1	
7440-48-4	Cobalt (Co)	0.75	J	0.66	J	1.3	J	0.42	J	0.09	J	0.7	J
7440-50-8	Copper (Cu)	20.8		17.4		15.		3.6		0.41	J	15.1	
7439-89-6	Iron (Fe)	1460.		2360.		11700.		2630.		532.		2140.	
7439-92-1	Lead (Pb)	13.8		180.		327.		33.6		1.9		126.	
7439-95-4	Magnesium (Mg)	336.	J	300.	J	436.	J	265.	J	32.9	J	336.	J
7439-96-5	Manganese (Mn)	8.2		28.5		63.5		24.5		4.2		30.6	
7439-97-6	Mercury (Hg)	0.11	U	0.1		0.32		0.11	U	0.11	U	0.11	U
7440-02-0	Nickel (Ni)	1.5	J	2.2	J	4.4	J	1.2	J	0.16	U	2.9	J
7440-09-7	Potassium (K)	106.	J	98.7	J	206.	J	93.4	J	32.7	J	175.	J
7782-49-2	Selenium (Se)	0.67	J	0.55	J	1.	J	0.46	UJ	0.46	UJ	0.46	UJ
7440-22-4	Silver (Ag)	0.07	UJ	0.07	UJ	0.07	UJ	0.06	UJ	0.06	UJ	0.06	UJ
7440-23-5	Sodium (Na)	140.	U	169.	U	183.	U	169.	U	166.	U	154.	U
7440-28-0	Thallium (Tl)	0.6	U	0.6	U	0.63	U	0.58	U	0.58	U	0.58	U
7440-62-2	Vanadium (V)	5.1	J	5.6		10.6		5.5		0.77	J	7.	
7440-66-6	Zinc (Zn)	19.8	J	83.9	J	209.	J	43.3	J	1.6	J	62.2	J
7440-31-5	Tin (Sn)	1.4	J	2.9	J	4.3	J	1.2	J	1.2	J	1.5	J
57-12-5	Cyanide (CN)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-META	SAMPLE ID ------->	508-S-B006-01		508-C-B006-01		508-S-B007-01		508-S-B008-01		508-S-B009-01		510-S-B001-01	
	ORIGINAL ID ----->	508SB00601		508CB00601		508SB00701		508SB00801		508SB00901		510SB00101	
	LAB SAMPLE ID --->	692039		692244		736396		736399		736402		690159	
	ID FROM REPORT -->	508SB00601		MAC004		508SB00701		508SB00801		508SB00901		510SB00101	
	SAMPLE DATE ----->	03/21/95		03/21/95		06/27/95		06/27/95		06/27/95		03/14/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	0002MI	VAL	50003M	VAL	21521M	VAL	21521M	VAL	21521M	VAL	0001MI	VAL
7429-90-5	Aluminum (Al)	4260.		4110.		4910.		4110.		2240.		4300.	
7440-36-0	Antimony (Sb)	0.24	J	0.45	UJ	0.35	J	0.7	J	0.3	J	0.19	UJ
7440-38-2	Arsenic (As)	4.3		5.2	UJ	3.7		2.3	U	0.91	U	1.7	
7440-39-3	Barium (Ba)	62.4		60.9		22.9		35.1		11.7	J	25.2	
7440-41-7	Beryllium (Be)	0.22	J	0.26	UJ	0.2	U	0.2	U	0.12	U	0.13	U
7440-43-9	Cadmium (Cd)	0.82		0.56	J	0.03	U	0.6		0.03	U	0.05	U
7440-70-2	Calcium (Ca)	7990.		6080.	J	977.		1920.		408.	J	2170.	
7440-47-3	Chromium (Cr)	10.7		15.		5.6		8.7		3.7		6.2	J
7440-48-4	Cobalt (Co)	1.5	J	2.1	J	0.38	J	0.61	J	0.27	J	0.7	J
7440-50-8	Copper (Cu)	20.8		23.5		4.5		22.4		4.3		6.1	J
7439-89-6	Iron (Fe)	8300.		8440.		2560.		3200.		1540.		3160.	
7439-92-1	Lead (Pb)	815.		720.		91.		135.		15.7		39.8	J
7439-95-4	Magnesium (Mg)	605.	J	726.		248.	J	290.	J	112.	J	337.	J
7439-96-5	Manganese (Mn)	76.		71.7		35.5		41.8		20.8		44.2	
7439-97-6	Mercury (Hg)	0.27		0.24		0.15		0.2		0.11	U	0.28	
7440-02-0	Nickel (Ni)	4.3	J	6.		3.1	J	3.4	J	1.3	J	1.4	J
7440-09-7	Potassium (K)	190.	J	178.	J	89.3	J	123.	J	74.	J	130.	J
7782-49-2	Selenium (Se)	1.1	J	1.3	J	0.48	U	0.74		0.47	U	0.46	J
7440-22-4	Silver (Ag)	0.07	UJ	0.06	UJ	0.06	U	0.05	U	0.05	U	0.06	UJ
7440-23-5	Sodium (Na)	197.	U	159.	U	184.	U	205.	U	183.	U	124.	U
7440-28-0	Thallium (Tl)	0.67	U	0.54	U	0.5	U	0.48	U	0.48	U	0.56	U
7440-62-2	Vanadium (V)	10.1		7.9		6.		6.9		3.	J	7.9	
7440-66-6	Zinc (Zn)	267.	J	235.		30.9	J	118.	J	29.1	J	44.2	
7440-31-5	Tin (Sn)	5.1	J	69.1		1.9	J	3.	J	1.8	J	1.1	J
57-12-5	Cyanide (CN)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-META																	
	SAMPLE ID ------->	510-S-B001-02		510-S-B002-01		510-S-B002-02		510-S-B003-01		510-S-B003-02		510-S-B004-01	
	ORIGINAL ID ----->	510SB00102		510SB00201		510SB00202		510SB00301		510SB00302		510SB00401	
	LAB SAMPLE ID --->	690164		690193		690154		704424		704449		704402	
	ID FROM REPORT -->	510SB00102		510SB00201		510SB00202		510SB00301		510SB00302		510SB00401	
	SAMPLE DATE ----->	03/14/95		03/14/95		03/14/95		04/18/95		04/18/95		04/18/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	0001MI	VAL	0001MI	VAL	0001MI	VAL	50015M	VAL	50015M	VAL	50015M	VAL
7429-90-5	Aluminum (Al)	1300.		6570.		4500.		4440.	J	2040.	J	4010.	J
7440-36-0	Antimony (Sb)	0.2	UJ	0.28	U	0.2	UJ	0.21	UJ	0.2	UJ	0.21	UJ
7440-38-2	Arsenic (As)	0.37	U	2.		0.37	U	2.2	U	0.37	U	0.57	U
7440-39-3	Barium (Ba)	5.1	J	32.1		14.1	J	23.3		7.4	J	11.5	J
7440-41-7	Beryllium (Be)	0.02	U	0.15	U	0.08	U	0.17	U	0.06	U	0.12	U
7440-43-9	Cadmium (Cd)	0.05	U	0.06	J	0.05	U	0.05	J	0.03	U	0.03	U
7440-70-2	Calcium (Ca)	215.	J	837.		219.	J	1270.		149.	J	725.	
7440-47-3	Chromium (Cr)	1.1	J	7.3	J	4.	J	5.2	J	2.1	J	2.4	J
7440-48-4	Cobalt (Co)	0.12	J	0.85	J	0.48	J	0.57	J	0.27	J	0.2	J
7440-50-8	Copper (Cu)	0.31	J	6.6	J	0.94	J	4.	J	1.3	UJ	1.1	UJ
7439-89-6	Iron (Fe)	1170.		3800.		3320.		4610.		1790.		1840.	
7439-92-1	Lead (Pb)	2.6	J	40.1	J	7.6	J	32.6	J	2.1	J	7.7	J
7439-95-4	Magnesium (Mg)	96.2	J	357.	J	188.	J	151.	J	124.	J	141.	J
7439-96-5	Manganese (Mn)	8.1		49.		20.9		24.9	J	14.	J	17.5	J
7439-97-6	Mercury (Hg)	0.11	U	0.1	U	0.09	U	0.23		0.1	U	0.11	U
7440-02-0	Nickel (Ni)	0.16	UJ	2.	J	0.72	J	1.4	J	0.86	J	0.85	J
7440-09-7	Potassium (K)	33.1	J	176.	J	123.	J	77.6	J	73.6	J	67.5	J
7782-49-2	Selenium (Se)	0.47	UJ	0.47	J	0.62	J	0.48	UJ	0.45	UJ	0.48	UJ
7440-22-4	Silver (Ag)	0.06	UJ	0.06	UJ	0.06	UJ	0.05	UJ	0.05	UJ	0.05	UJ
7440-23-5	Sodium (Na)	130.	U	110.	U	115.	U	124.	J	126.	J	127.	J
7440-28-0	Thallium (Tl)	0.59	U	0.56	U	0.58	U	0.49	U	0.47	U	0.49	U
7440-62-2	Vanadium (V)	1.5	J	8.6		6.3		9.3		2.9	J	2.7	J
7440-66-6	Zinc (Zn)	3.3		71.7		9.1		55.7	J	3.9	J	5.7	J
7440-31-5	Tin (Sn)	0.84	U	1.5	J	1.1	J	2.5	UR	2.1	UR	1.6	UR
57-12-5	Cyanide (CN)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-META	SAMPLE ID ------->	510-S-B004-02	510-S-B005-01	510-S-B005-02	510-C-B005-02	510-G-W001-01	510-G-W002-01
	ORIGINAL ID ----->	510SB00402	510SB00501	510SB00502	510CB00502	510GW00101	510GW00201
	LAB SAMPLE ID --->	704417	690143	690149	690177	730833	730831
	ID FROM REPORT -->	510SB00402	510SB00501	510SB00502	510CB00502	510GW00101	510GW00201
	SAMPLE DATE ----->	04/18/95	03/14/95	03/14/95	03/14/95	06/12/95	06/12/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Water	Water
	UNITS ---------->	MG/KG	MG/KG	MG/KG	MG/KG	UG/L	UG/L

CAS #	Parameter	50015M	VAL	0001MI	VAL	0001MI	VAL	0001MI	VAL	1517MI	VAL	1517MI	VAL
7429-90-5	Aluminum (Al)	2590.	J	4070.		1470.		1880.		13300.		1280.	
7440-36-0	Antimony (Sb)	0.2	UJ	0.21	UJ	0.2	UJ	0.2	UJ	1.9	U	1.9	U
7440-38-2	Arsenic (As)	0.34	U	0.87	J	0.36	U	0.36	U	3.2	U	3.2	U
7440-39-3	Barium (Ba)	9.8	J	17.9	J	4.2	J	5.	J	96.8	J	49.6	J
7440-41-7	Beryllium (Be)	0.08	U	0.18	U	0.02	U	0.02	U	0.51	U	0.2	U
7440-43-9	Cadmium (Cd)	0.03	U	0.05	U	0.05	U	0.05	U	0.3	U	0.3	U
7440-70-2	Calcium (Ca)	178.	J	530.	J	45.3	J	45.7	J	8670.		8600.	
7440-47-3	Chromium (Cr)	2.2	J	6.	J	1.3	J	1.7	J	16.6	J	1.9	J
7440-48-4	Cobalt (Co)	0.27	J	0.63	J	0.11	J	0.17	J	0.6	U	0.6	U
7440-50-8	Copper (Cu)	0.69	UJ	6.9	J	0.27	J	0.26	J	5.7	UJ	2.	UJ
7439-89-6	Iron (Fe)	1660.		3380.		1430.		1540.		2460.		202.	
7439-92-1	Lead (Pb)	2.3	J	60.2	J	3.2	J	2.5	J	14.1	U	4.4	U
7439-95-4	Magnesium (Mg)	129.	J	223.	J	55.	J	88.1	J	1340.	J	1800.	J
7439-96-5	Manganese (Mn)	18.4	J	56.1		8.9		8.1		13.	J	5.5	J
7439-97-6	Mercury (Hg)	0.11	U	0.11	U	0.11	U	0.11	U	0.2	U	0.2	U
7440-02-0	Nickel (Ni)	0.98	J	0.69	J	0.15	UJ	0.15	UJ	6.	J	1.4	U
7440-09-7	Potassium (K)	76.7	J	88.1	J	38.5	J	60.9	J	2370.	J	2500.	J
7782-49-2	Selenium (Se)	0.48	J	0.48	UJ	0.45	UJ	0.45	UJ	4.4	U	4.4	U
7440-22-4	Silver (Ag)	0.05	UJ	0.07	UJ	0.06	UJ	0.06	UJ	0.5	U	0.5	U
7440-23-5	Sodium (Na)	127.	J	272.	J	148.	U	118.	U	4420.	U	5990.	
7440-28-0	Thallium (Tl)	0.48	U	0.6	U	0.57	U	0.57	U	4.5	U	4.5	U
7440-62-2	Vanadium (V)	2.9	J	6.6		2.1	J	2.8	J	8.3	J	1.7	J
7440-66-6	Zinc (Zn)	3.2	J	67.2		5.3		5.3		78.9		49.3	
7440-31-5	Tin (Sn)	2.1	UR	1.1	J	0.81	U	0.81	U	56.3	U	56.3	U
57-12-5	Cyanide (CN)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-META	SAMPLE ID ------->	511-S-B001-01		511-S-B001-02		511-S-B002-01		511-S-B002-02		511-S-B003-01		511-S-B003-02	
	ORIGINAL ID ----->	511SB00101		511SB00102		511SB00201		511SB00202		511SB00301		511SB00302	
	LAB SAMPLE ID --->	692141		692162		692195		692153		692212		692178	
	ID FROM REPORT -->	511SB00101		511SB00102		511SB00201		511SB00202		MAC002		511SB00302	
	SAMPLE DATE ----->	03/21/95		03/21/95		03/21/95		03/21/95		03/21/95		03/21/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	0002MI	VAL	0002MI	VAL	0002MI	VAL	0002MI	VAL	50003M	VAL	0002MI	VAL
7429-90-5	Aluminum (Al)	3820.		3690.		3640.		4070.		3740.		4730.	
7440-36-0	Antimony (Sb)	0.2	J	0.19	UJ	0.2	UJ	0.2	UJ	0.26	UJ	0.2	UJ
7440-38-2	Arsenic (As)	4.1		0.35	U	1.2		0.36	U	0.49	UJ	0.46	J
7440-39-3	Barium (Ba)	37.6		11.1	J	41.3		12.	J	15.8	J	11.9	J
7440-41-7	Beryllium (Be)	0.14	J	0.07	J	0.11	J	0.08	J	0.1	UJ	0.08	J
7440-43-9	Cadmium (Cd)	0.43	J	0.05	U	0.21	J	0.05	U	0.03	U	0.05	U
7440-70-2	Calcium (Ca)	881.		223.	J	758.		365.	J	767.		315.	J
7440-47-3	Chromium (Cr)	8.8		4.8		6.		5.3		3.6		6.2	
7440-48-4	Cobalt (Co)	0.73	J	0.2	J	0.57	J	0.29	J	0.21	J	0.38	J
7440-50-8	Copper (Cu)	70.7		2.4	J	12.4		1.5	J	3.6		0.69	J
7439-89-6	Iron (Fe)	2470.		2200.		2590.		1830.		1900.		2450.	
7439-92-1	Lead (Pb)	670.		10.2		273.		25.4		125.		10.3	
7439-95-4	Magnesium (Mg)	307.	J	132.	J	162.	J	130.	J	135.	J	188.	J
7439-96-5	Manganese (Mn)	39.8		10.6		27.7		7.6		16.5		6.8	
7439-97-6	Mercury (Hg)	0.28		0.11	U	0.18		0.11	U	0.11	U	0.1	U
7440-02-0	Nickel (Ni)	3.1	J	0.87	J	1.8	J	0.95	J	1.1	J	1.2	J
7440-09-7	Potassium (K)	93.3	J	83.1	J	103.	J	90.4	J	52.9	U	110.	J
7782-49-2	Selenium (Se)	0.46	UJ	0.44	UJ	0.49	J	0.45	UJ	0.47	UJ	0.47	UJ
7440-22-4	Silver (Ag)	0.06	UJ	0.06	UJ	0.06	UJ	0.06	UJ	0.05	UJ	0.06	UJ
7440-23-5	Sodium (Na)	183.	U	144.	U	168.	U	157.	U	141.	U	167.	U
7440-28-0	Thallium (Tl)	0.57	U	0.55	U	0.57	U	0.57	U	0.48	U	0.58	U
7440-62-2	Vanadium (V)	8.		4.5	J	5.7		4.2	J	3.5	J	5.6	
7440-66-6	Zinc (Zn)	215.	J	9.3	J	154.	J	45.3	J	22.1		3.3	J
7440-31-5	Tin (Sn)	3.2	J	1.4	J	3.	J	1.	J	1.9	J	1.3	J
57-12-5	Cyanide (CN)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-META	SAMPLE ID ------->	511-S-B004-01		511-S-B005-01		511-S-B005-02		511-C-B005-02		511-S-B006-01		511-S-B006-01	
	ORIGINAL ID ----->	511SB00401		511SB00501		511SB00502		511CB00502		511SB00601		511SB00601	
	LAB SAMPLE ID --->	692102		692251		692189		692110		692003		754863	
	ID FROM REPORT -->	511SB00401		MAC005		511SB00502		511CB00502		511SB00601		511SB00601	
	SAMPLE DATE ----->	03/21/95		03/21/95		03/21/95		03/21/95		03/21/95		09/12/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Water	
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		UG/L	
CAS #	Parameter	0002MI	VAL	50003M	VAL	0002MI	VAL	0002MI	VAL	0002MI	VAL	24MP	VAL
7429-90-5	Aluminum (Al)	3490.		3240.		3560.		4010.		4330.		2300.	J
7440-36-0	Antimony (Sb)	0.21	UJ	0.24	UJ	0.2	UJ	0.19	UJ	0.2	UJ	1.9	U
7440-38-2	Arsenic (As)	1.1	J	1.4	UJ	0.37	U	0.36	U	2.4		12.8	
7440-39-3	Barium (Ba)	12.2	J	12.2	J	7.4	J	8.3	J	14.9	J	150.	J
7440-41-7	Beryllium (Be)	0.08	J	0.08	UJ	0.06	J	0.06	J	0.11	J	0.1	U
7440-43-9	Cadmium (Cd)	0.05	U	0.03	U	0.05	U	0.05	U	0.05	U	0.5	U
7440-70-2	Calcium (Ca)	430.	J	535.		290.	J	269.	J	765.		1330.	J
7440-47-3	Chromium (Cr)	6.1		4.1		5.		5.5		5.7		4.1	J
7440-48-4	Cobalt (Co)	0.34	J	0.39	J	0.21	J	0.26	J	0.47	J	0.5	U
7440-50-8	Copper (Cu)	3.4		2.8		0.38	J	0.53	J	4.6		3.3	U
7439-89-6	Iron (Fe)	3710.		2080.		2490.		2490.		3610.		1000.	J
7439-92-1	Lead (Pb)	47.		29.4		3.2		4.		40.7		8.7	
7439-95-4	Magnesium (Mg)	119.	J	113.	J	96.3	J	131.	J	123.	J	140.	U
7439-96-5	Manganese (Mn)	13.8		10.		3.5		4.1		23.3		2.7	U
7439-97-6	Mercury (Hg)	0.11		0.11	U	0.1	U	0.11	U	0.11	U	0.2	U
7440-02-0	Nickel (Ni)	1.4	J	0.85	J	0.6	J	0.82	J	1.6	J	2.4	U
7440-09-7	Potassium (K)	101.	J	81.3	J	73.	J	110.	J	88.8	J	218.	U
7782-49-2	Selenium (Se)	0.48	UJ	0.46	UJ	0.46	UJ	0.45	J	0.46	UJ	4.8	U
7440-22-4	Silver (Ag)	0.07	UJ	0.05	UJ	0.06	UJ	0.06	UJ	0.06	UJ	0.6	U
7440-23-5	Sodium (Na)	181.	U	123.	U	171.	U	157.	U	159.	U	2580.	U
7440-28-0	Thallium (Tl)	0.6	U	0.47	U	0.58	U	0.56	U	0.58	U	3.6	U
7440-62-2	Vanadium (V)	10.9		3.5	J	4.7	J	5.4		8.7		4.3	U
7440-66-6	Zinc (Zn)	38.1	J	22.1		1.8	J	3.1	J	39.2	J	31.6	
7440-31-5	Tin (Sn)	1.4	J	1.8	J	1.2	J	1.	J	1.4	J	5.	U
57-12-5	Cyanide (CN)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-META	SAMPLE ID ------->	511-S-B006-02		511-S-B006-02		511-S-B007-01		511-S-B008-01		511-S-B009-01		511-S-B010-01	
	ORIGINAL ID ----->	511SB00602		511SB00602		511SB00701		511SB00801		511SB00901		511SB01001	
	LAB SAMPLE ID --->	692232		754889		736382		736387		736388		736389	
	ID FROM REPORT -->	MAC003		511SB00602		511SB00701		511SB00801		511SB00901		511SB01001	
	SAMPLE DATE ----->	03/21/95		09/12/95		06/27/95		06/27/95		06/27/95		06/27/95	
	MATRIX ---------->	Soil		Water		Soil		Soil		Soil		Soil	
	UNITS ---------->	MG/KG		UG/L		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	50003M	VAL	24MP	VAL	21521M	VAL	21521M	VAL	21521M	VAL	21521M	VAL
7429-90-5	Aluminum (Al)	960.		2120.	J	4810.		3210.		3910.		3720.	
7440-36-0	Antimony (Sb)	0.2	UJ	1.9	U	0.29	J	0.61	J	0.4	J	0.35	J
7440-38-2	Arsenic (As)	0.33	U	2.7	U	1.1	U	1.8	U	1.	U	1.2	U
7440-39-3	Barium (Ba)	2.2	J	130.	J	28.8		44.		21.5		122.	
7440-41-7	Beryllium (Be)	0.02	UJ	0.1	U	0.12	U	0.15	U	0.13	U	0.14	U
7440-43-9	Cadmium (Cd)	0.03	U	0.5	U	0.18	U	0.26	U	0.22	U	0.57	
7440-70-2	Calcium (Ca)	36.1	J	462.	J	1100.		1250.		1180.		464.	J
7440-47-3	Chromium (Cr)	1.4		2.7	J	6.4		6.6		7.		11.5	
7440-48-4	Cobalt (Co)	0.07	J	0.5	U	0.32	J	0.53	J	0.55	J	0.49	J
7440-50-8	Copper (Cu)	0.27	UJ	2.8	U	4.9		35.5		5.5		28.9	
7439-89-6	Iron (Fe)	577.		1100.	J	2170.		3360.		3220.		2290.	
7439-92-1	Lead (Pb)	1.4		3.3	U	48.8		391.		69.8		481.	
7439-95-4	Magnesium (Mg)	30.8	J	114.	U	304.	J	307.	J	209.	J	161.	J
7439-96-5	Manganese (Mn)	2.1		3.	U	19.6		41.1		33.7		30.7	
7439-97-6	Mercury (Hg)	11.2		0.2	U	0.2		0.34		0.11	U	0.4	
7440-02-0	Nickel (Ni)	0.22	J	2.4	U	1.9	J	2.4	J	2.5	J	2.2	J
7440-09-7	Potassium (K)	26.5	U	210.	U	75.1	J	135.	J	107.	J	61.7	J
7782-49-2	Selenium (Se)	0.46	UJ	3.4	U	0.46	U	0.57		0.47	U	0.48	U
7440-22-4	Silver (Ag)	0.05	UJ	0.6	U	0.05	U	0.09	J	0.05	U	0.06	U
7440-23-5	Sodium (Na)	102.	U	2200.	U	203.	U	191.	U	177.	U	200.	U
7440-28-0	Thallium (Tl)	0.47	U	3.6	U	0.47	U	0.46	U	0.48	U	0.5	U
7440-62-2	Vanadium (V)	1.1	J	2.8	U	6.6		7.1		7.6		5.5	
7440-66-6	Zinc (Zn)	0.99	J	24.4		57.9	J	145.	J	55.4	J	229.	J
7440-31-5	Tin (Sn)	1.3	U	5.	U	1.9	J	4.8	J	2.4	J	4.3	J
57-12-5	Cyanide (CN)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-META	SAMPLE ID ------->	512-S-B001-01	512-S-B002-01	512-S-B002-02	512-S-B003-01	512-C-B003-01	512-S-B004-01
	ORIGINAL ID ----->	512SB00101	512SB00201	512SB00202	512SB00301	512CB00301	512SB00401
	LAB SAMPLE ID --->	690513	690544	690545	690504	690548	690509
	ID FROM REPORT -->	512SB00101	512SB00201	512SB00202	512SB00301	512CB00301	512SB00401
	SAMPLE DATE ----->	03/15/95	03/15/95	03/15/95	03/15/95	03/15/95	03/15/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG

CAS #	Parameter	0001MI	VAL	0001MI	VAL	0001MI	VAL	0001MI	VAL	0001MI	VAL	0001MI	VAL
7429-90-5	Aluminum (Al)	5510.		7720.		4600.		6540.		3960.		5510.	
7440-36-0	Antimony (Sb)	0.21	UJ	0.23	UJ	0.6	UJ	0.21	UJ	0.26	UJ	0.21	UJ
7440-38-2	Arsenic (As)	4.8		6.7		2.4		2.8		2.2		3.3	
7440-39-3	Barium (Ba)	21.3	J	40.7		58.8		20.3	J	16.5	J	14.1	J
7440-41-7	Beryllium (Be)	0.27		0.34	J	0.12	U	0.14	U	0.11	U	0.18	U
7440-43-9	Cadmium (Cd)	0.41	J	0.77		0.06	U	0.06	U	0.06	U	0.21	J
7440-70-2	Calcium (Ca)	112000.		119000.		4550.		2570.	J	3520.	J	33800.	
7440-47-3	Chromium (Cr)	10.9		14.3		8.	J	10.5	J	7.6	J	9.3	
7440-48-4	Cobalt (Co)	2.6	J	3.3	J	0.82	J	1.	J	0.76	J	1.4	J
7440-50-8	Copper (Cu)	15.1	J	30.8	J	10.3	J	10.7	J	10.7	J	13.	J
7439-89-6	Iron (Fe)	6180.		10800.		3240.		5570.		4220.		6590.	
7439-92-1	Lead (Pb)	38.4	J	76.1	J	37.3	J	44.1	J	38.7	J	21.7	J
7439-95-4	Magnesium (Mg)	1960.		2420.		397.	J	466.	J	345.	J	837.	
7439-96-5	Manganese (Mn)	226.		280.		39.2		46.		41.1		90.1	
7439-97-6	Mercury (Hg)	0.16		0.35		0.11	U	0.1		0.11	U	0.15	
7440-02-0	Nickel (Ni)	6.5	J	7.6		2.2	J	2.6	J	2.	J	3.2	J
7440-09-7	Potassium (K)	726.	J	1070.	J	242.	J	261.	J	165.	J	400.	J
7782-49-2	Selenium (Se)	0.8	J	0.59	J	0.56	UJ	0.67	J	0.69	J	1.	J
7440-22-4	Silver (Ag)	0.07	UJ	0.07	UJ	0.08	UJ	0.07	UJ	0.07	UJ	0.07	UJ
7440-23-5	Sodium (Na)	344.	J	280.	J	251.	J	114.	U	93.3	U	194.	U
7440-28-0	Thallium (Tl)	0.62	U	0.66	U	0.69	U	0.61	U	0.61	U	0.61	U
7440-62-2	Vanadium (V)	14.3		20.		9.2		13.9		11.2		14.3	
7440-66-6	Zinc (Zn)	54.3		124.		63.2		41.4		35.3		39.	
7440-31-5	Tin (Sn)	1.7	J	1.5	J	1.7	J	1.7	J	1.5	J	1.3	J
57-12-5	Cyanide (CN)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-META	SAMPLE ID ------->	512-S-B005-01		512-S-B006-01		513-S-B001-01		513-S-B001-02		513-S-B002-01		513-S-B002-02	
	ORIGINAL ID ----->	512SB00501		512SB00601		513SB00101		513SB00102		513SB00201		513SB00202	
	LAB SAMPLE ID --->	690495		690543		702271		702280		702298		702308	
	ID FROM REPORT -->	512SB00501		512SB00601		513SB00101		513SB00102		513SB00201		513SB00202	
	SAMPLE DATE ----->	03/15/95		03/15/95		04/12/95		04/12/95		04/12/95		04/12/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	0001MI	VAL	0001MI	VAL	0006M	VAL	0006M	VAL	0006M	VAL	0006M	VAL
7429-90-5	Aluminum (Al)	8060.		10600.		4300.	J	2920.	J	4430.	J	3820.	J
7440-36-0	Antimony (Sb)	0.22	UJ	0.23	UJ	0.21	UJ	0.2	UJ	0.27	J	0.21	UJ
7440-38-2	Arsenic (As)	5.2		8.2		0.47	J	0.33	U	1.5		0.36	U
7440-39-3	Barium (Ba)	21.2	J	25.1		18.1	J	8.1	J	19.1	J	16.1	J
7440-41-7	Beryllium (Be)	0.29	J	0.44	J	0.11	U	0.07	U	0.13	U	0.1	U
7440-43-9	Cadmium (Cd)	0.39	J	0.64		0.03	U	0.03	U	0.03	U	0.03	U
7440-70-2	Calcium (Ca)	45400.		106000.		667.		118.	J	301.	J	82.2	J
7440-47-3	Chromium (Cr)	16.2		21.7		4.4		3.6		4.4		4.7	
7440-48-4	Cobalt (Co)	2.8	J	4.4	J	0.34	J	0.47	J	0.34	J	0.56	J
7440-50-8	Copper (Cu)	39.	J	31.7	J	4.4		0.86	J	2.3	J	1.1	J
7439-89-6	Iron (Fe)	10900.		11800.		2270.		1850.		2590.		3330.	
7439-92-1	Lead (Pb)	39.7	J	57.3	J	22.7		3.6		21.5		2.4	
7439-95-4	Magnesium (Mg)	1460.		2530.		164.	J	130.	J	146.	J	219.	J
7439-96-5	Manganese (Mn)	147.		252.		20.9		14.5		33.5		24.6	
7439-97-6	Mercury (Hg)	0.15		0.23		0.11	U	0.11	U	0.11	U	0.12	U
7440-02-0	Nickel (Ni)	7.9		9.5		1.2	J	1.	J	1.2	J	1.5	J
7440-09-7	Potassium (K)	816.	J	1350.	J	79.4	J	67.6	J	81.	J	93.2	J
7782-49-2	Selenium (Se)	0.69	J	0.75	J	0.73	J	0.46	UJ	0.91	J	0.57	J
7440-22-4	Silver (Ag)	0.06	UJ	0.07	UJ	0.05	UJ	0.05	UJ	0.06	UJ	0.06	UJ
7440-23-5	Sodium (Na)	279.	J	268.	J	139.	U	110.	U	143.	U	109.	U
7440-28-0	Thallium (Tl)	0.59	U	0.66	U	0.49	U	0.47	U	0.5	U	0.51	U
7440-62-2	Vanadium (V)	18.6		24.5		4.1	J	2.5	J	3.4	J	5.	J
7440-66-6	Zinc (Zn)	93.7		108.		26.9		4.9		11.		4.8	
7440-31-5	Tin (Sn)	1.8	J	1.9	J	1.8	J	1.4	J	1.4	J	1.4	J
57-12-5	Cyanide (CN)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-META	SAMPLE ID ------->	513-C-B002-02		513-S-B003-01		513-S-B003-02		513-S-B004-01		513-S-B004-02		513-S-B005-01	
	ORIGINAL ID ----->	513CB00202		513SB00301		513SB00302		513SB00401		513SB00402		513SB00501	
	LAB SAMPLE ID --->	702418		702320		702331		702336		702345		702351	
	ID FROM REPORT -->	513CB00202		513SB00301		513SB00302		513SB00401		513SB00402		513SB00501	
	SAMPLE DATE ----->	04/12/95		04/12/95		04/12/95		04/12/95		04/12/95		04/12/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	50010M	VAL	0006M	VAL	0006M	VAL	0006M	VAL	0006M	VAL	0006M	VAL
7429-90-5	Aluminum (Al)	3840.		4110.	J	3900.	J	3970.	J	2320.	J	4110.	J
7440-36-0	Antimony (Sb)	0.2	UJ	0.22	J	0.2	UJ	0.2	UJ	0.2	UJ	0.2	UJ
7440-38-2	Arsenic (As)	0.34	UJ	0.63	J	0.33	U	0.5	J	0.34	U	0.62	J
7440-39-3	Barium (Ba)	15.8	J	19.1	J	11.7	J	9.8	J	2.7	J	13.	J
7440-41-7	Beryllium (Be)	0.09	U	0.11	U	0.1	U	0.11	U	0.04	U	0.11	U
7440-43-9	Cadmium (Cd)	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U
7440-70-2	Calcium (Ca)	73.8	J	1480.		106.	J	224.	J	80.2	J	330.	J
7440-47-3	Chromium (Cr)	5.2		4.3		4.2		4.4		3.5		4.4	
7440-48-4	Cobalt (Co)	0.55	U	0.31	J	0.46	J	0.39	J	0.47	J	0.33	J
7440-50-8	Copper (Cu)	0.85	J	4.7		0.75	J	1.2	J	0.34	J	1.7	J
7439-89-6	Iron (Fe)	3090.		2510.		2830.		2330.		1100.		2520.	
7439-92-1	Lead (Pb)	3.3		64.7		2.4		120.		1.6		13.2	
7439-95-4	Magnesium (Mg)	232.	J	125.	J	163.	J	136.	J	103.	J	134.	J
7439-96-5	Manganese (Mn)	22.8		32.5		15.6		15.1		3.5		24.	
7439-97-6	Mercury (Hg)	0.1	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U
7440-02-0	Nickel (Ni)	1.5	J	1.1	J	1.3	J	1.3	J	0.91	J	1.4	J
7440-09-7	Potassium (K)	110.	J	51.1	J	65.5	J	64.6	J	55.9	J	68.	J
7782-49-2	Selenium (Se)	0.46	UJ	0.93	J	0.57	J	0.71	J	0.5	J	0.51	J
7440-22-4	Silver (Ag)	0.05	U	0.05	UJ	0.05	UJ	0.05	UJ	0.05	UJ	0.05	UJ
7440-23-5	Sodium (Na)	101.	U	130.	U	122.	U	121.	U	127.	U	125.	U
7440-28-0	Thallium (Tl)	0.47	U	0.49	U	0.47	U	0.48	U	0.47	U	0.48	U
7440-62-2	Vanadium (V)	5.1	J	3.3	J	3.6	J	3.4	J	1.7	J	3.1	J
7440-66-6	Zinc (Zn)	4.8	J	42.6		4.1		8.9		1.9	J	8.	
7440-31-5	Tin (Sn)	0.71	J	1.6	J	1.7	J	1.	J	1.4	J	1.6	J
57-12-5	Cyanide (CN)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-META	SAMPLE ID ------->	513-S-B005-02	513-S-B006-01	513-S-B006-02	515-S-B001-01	515-S-B001-02	515-S-B002-01
	ORIGINAL ID ----->	513SB00502	513SB00601	513SB00602	515SB00101	515SB00102	515SB00201
	LAB SAMPLE ID --->	702361	702372	702391	704232	704244	704257
	ID FROM REPORT -->	513SB00502	513SB00601	513SB00602	515SB00101	515SB00102	515SB00201
	SAMPLE DATE ----->	04/12/95	04/12/95	04/12/95	04/18/95	04/18/95	04/18/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG

CAS #	Parameter	0006M	VAL	0006M	VAL	50010M	VAL	50012M	VAL	50012M	VAL	50015M	VAL
7429-90-5	Aluminum (Al)	2720.	J	4510.	J	3670.		2940.		3530.		4650.	J
7440-36-0	Antimony (Sb)	0.2	UJ	0.41	J	0.2	UJ	1.5	J	0.2	UJ	1.7	J
7440-38-2	Arsenic (As)	0.33	U	0.6	J	0.34	UJ	12.5		0.34	U	5.5	
7440-39-3	Barium (Ba)	10.9	J	13.9	J	11.5	J	69.8		18.	J	92.9	
7440-41-7	Beryllium (Be)	0.07	U	0.12	U	0.09	U	0.46	J	0.15	U	0.43	U
7440-43-9	Cadmium (Cd)	0.03	U	0.03	U	0.03	U	0.38	U	0.03	U	0.33	J
7440-70-2	Calcium (Ca)	70.6	J	498.	J	233.	J	7500.		903.		6970.	
7440-47-3	Chromium (Cr)	3.7		5.1		5.1		12.3		4.1		11.5	J
7440-48-4	Cobalt (Co)	0.54	J	0.31	J	0.55	U	6.		0.57	J	3.9	J
7440-50-8	Copper (Cu)	0.66	J	2.3	J	1.2	J	117.		2.9		92.7	J
7439-89-6	Iron (Fe)	2640.		2430.		2860.		6390.		2240.		11900.	
7439-92-1	Lead (Pb)	1.9		46.6		4.		324.		5.2		339.	J
7439-95-4	Magnesium (Mg)	160.	J	129.	J	219.	J	374.	J	198.	J	454.	J
7439-96-5	Manganese (Mn)	15.4		21.7		14.1		46.3		22.9		117.	J
7439-97-6	Mercury (Hg)	0.1	U	0.11	U	0.11	U	0.15		0.11	U	0.15	
7440-02-0	Nickel (Ni)	1.2	J	1.3	J	1.4	J	14.4		1.7	J	8.5	
7440-09-7	Potassium (K)	69.4	J	63.1	J	105.	J	189.	J	76.6	J	212.	J
7782-49-2	Selenium (Se)	0.59	J	0.48	UJ	0.46	UJ	0.66		0.53		0.87	J
7440-22-4	Silver (Ag)	0.05	UJ	0.05	UJ	0.05	U	0.05	U	0.05	U	0.05	UJ
7440-23-5	Sodium (Na)	118.	U	137.	U	106.	U	175.	U	94.5	U	266.	J
7440-28-0	Thallium (Tl)	0.47	U	0.49	U	0.47	U	0.48	U	0.47	U	0.49	U
7440-62-2	Vanadium (V)	3.5	J	4.	J	4.7	J	8.3		2.6	J	5.7	
7440-66-6	Zinc (Zn)	3.7		13.		5.6	J	371.		9.9		410.	J
7440-31-5	Tin (Sn)	1.7	J	2.	J	0.9	J	34.	J	1.5	J	148.	J
57-12-5	Cyanide (CN)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-META	SAMPLE ID ------->	515-S-B002-02		515-S-B003-01		515-S-B003-02		515-S-B004-01		515-S-B004-02		515-S-B005-01	
	ORIGINAL ID ----->	515SB00202		515SB00301		515SB00302		515SB00401		515SB00402		515SB00501	
	LAB SAMPLE ID --->	704283		704292		704318		704350		704365		704381	
	ID FROM REPORT -->	515SB00202		515SB00301		515SB00302		515SB00401		515SB00402		515SB00501	
	SAMPLE DATE ----->	04/18/95		04/18/95		04/18/95		04/18/95		04/18/95		04/18/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	50012M	VAL	50012M	VAL	50012M	VAL	50012M	VAL	50012M	VAL	50012M	VAL
7429-90-5	Aluminum (Al)	2230.		4250.		3160.		3590.		2780.		3840.	
7440-36-0	Antimony (Sb)	0.2	UJ	0.47	J	0.2	UJ	0.21	UJ	0.2	UJ	0.61	J
7440-38-2	Arsenic (As)	0.34	U	2.6		0.4	J	1.6		0.34	U	1.9	
7440-39-3	Barium (Ba)	9.2	J	102.		15.	J	31.3		10.	J	84.3	
7440-41-7	Beryllium (Be)	0.07	U	0.2	U	0.1	U	0.18	U	0.11	U	0.18	U
7440-43-9	Cadmium (Cd)	0.03	U	0.56	U	0.03	U	0.03	U	0.03	U	0.28	U
7440-70-2	Calcium (Ca)	961.		7290.		667.		7100.		316.	J	6610.	
7440-47-3	Chromium (Cr)	3.3		7.2		4.2		3.8		3.5		7.2	
7440-48-4	Cobalt (Co)	0.44	J	0.87	J	0.54	J	0.6	J	0.5	J	1.1	J
7440-50-8	Copper (Cu)	1.3	J	37.2		2.2	J	5.1		0.88	J	44.7	
7439-89-6	Iron (Fe)	1800.		3970.		2720.		2530.		2260.		5800.	
7439-92-1	Lead (Pb)	3.8		334.		11.4		27.7		2.1		522.	
7439-95-4	Magnesium (Mg)	151.	U	329.	J	221.	J	224.	J	181.	J	288.	J
7439-96-5	Manganese (Mn)	16.2		64.5		25.8		33.3		20.7		68.2	
7439-97-6	Mercury (Hg)	0.11	U	0.21		0.1	U	0.11	U	0.11	U	0.17	
7440-02-0	Nickel (Ni)	0.88	J	3.4	J	1.6	J	1.9	J	1.2	J	3.3	J
7440-09-7	Potassium (K)	78.6	J	148.	J	99.9	J	110.	J	76.6	J	190.	J
7782-49-2	Selenium (Se)	0.47	U	0.63		0.58		0.48	U	0.47	U	0.54	J
7440-22-4	Silver (Ag)	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
7440-23-5	Sodium (Na)	94.7	U	169.	U	89.5	U	104.	U	112.	U	460.	J
7440-28-0	Thallium (Tl)	0.48	U	0.49	U	0.47	U	0.49	U	0.48	U	0.49	U
7440-62-2	Vanadium (V)	2.2	J	6.1		3.3	J	3.2	J	2.4	J	5.1	J
7440-66-6	Zinc (Zn)	4.3		286.		11.2		32.4		4.		361.	
7440-31-5	Tin (Sn)	1.1	J	39.3	J	2.4	J	1.4	J	0.97	J	46.8	J
57-12-5	Cyanide (CN)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-META													
	SAMPLE ID ------->	515-S-B005-02		515-S-B006-01		515-S-B006-02		515-C-B006-02		516-S-B001-01		516-S-B001-02	
	ORIGINAL ID ----->	515SB00502		515SB00601		515SB00602		515CB00602		516SB00101		516SB00102	
	LAB SAMPLE ID --->	704387		704199		704205		704219		699050		699063	
	ID FROM REPORT -->	515SB00502		515SB00601		515SB00602		515CB00602		516SB00101		516SB00102	
	SAMPLE DATE ----->	04/18/95		04/18/95		04/18/95		04/18/95		04/05/95		04/05/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	50012M	VAL	50012M	VAL	50012M	VAL	50012M	VAL	50005M	VAL	50005M	VAL
7429-90-5	Aluminum (Al)	2500.		3580.		1680.		2920.		8260.	J	4130.	J
7440-36-0	Antimony (Sb)	0.2	UJ	0.51	J	0.2	UJ	0.2	UJ	0.46	J	0.22	UJ
7440-38-2	Arsenic (As)	0.34	U	3.		0.34	U	0.53	J	4.2		0.37	U
7440-39-3	Barium (Ba)	10.6	J	48.8		7.1	J	11.	J	31.8	J	14.9	J
7440-41-7	Beryllium (Be)	0.09	U	0.39	J	0.05	U	0.09	U	0.3	U	0.1	U
7440-43-9	Cadmium (Cd)	0.03	U	0.18	U	0.03	U	0.03	U	0.05	U	0.03	U
7440-70-2	Calcium (Ca)	1040.		15900.		1810.		1080.		5980.	J	494.	J
7440-47-3	Chromium (Cr)	3.4		10.8		2.7		4.4		12.9	J	5.9	J
7440-48-4	Cobalt (Co)	0.44	J	3.7	J	0.34	J	0.51	J	2.	J	0.66	J
7440-50-8	Copper (Cu)	1.3	J	87.5		1.3	J	1.9	J	12.2		1.4	J
7439-89-6	Iron (Fe)	2170.		4340.		1700.		2680.		6160.	J	2570.	J
7439-92-1	Lead (Pb)	3.5		180.		4.5		5.1		29.6	J	2.8	J
7439-95-4	Magnesium (Mg)	168.	J	404.	J	141.	U	233.	J	738.	J	329.	J
7439-96-5	Manganese (Mn)	18.3		60.2		16.2		25.3		133.	J	15.8	J
7439-97-6	Mercury (Hg)	0.11	U	0.16		0.11	U	0.11	U	0.11	U	0.1	U
7440-02-0	Nickel (Ni)	1.	J	11.9		0.8	J	1.3	J	5.3		1.8	J
7440-09-7	Potassium (K)	86.4	J	168.	J	74.9	J	126.	J	398.	J	188.	J
7782-49-2	Selenium (Se)	0.47	U	0.7	J	0.47	U	0.47	U	0.5	J	0.5	UJ
7440-22-4	Silver (Ag)	0.05	U	0.05	U	0.05	U	0.05	U	0.06	UJ	0.06	UJ
7440-23-5	Sodium (Na)	90.2	U	241.	U	74.3	U	100.	U	138.	U	86.9	U
7440-28-0	Thallium (Tl)	0.48	U	0.48	U	0.48	U	0.48	U	0.5	U	0.51	U
7440-62-2	Vanadium (V)	2.5	J	7.9		2.2	J	3.7	J	14.3	J	5.1	J
7440-66-6	Zinc (Zn)	4.9		313.		4.4		7.3		64.2	J	7.1	J
7440-31-5	Tin (Sn)	1.2	J	20.6	J	2.2	J	1.6	J	1.6	J	1.1	J
57-12-5	Cyanide (CN)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

| SW846-META | SAMPLE ID ------->
ORIGINAL ID ----->
LAB SAMPLE ID --->
ID FROM REPORT -->
SAMPLE DATE ----->
MATRIX ---------->
UNITS ---------->	516-S-B002-01 516SB00201 699069 516SB00201 04/05/95 Soil MG/KG		516-S-B002-02 516SB00202 699075 516SB00202 04/05/95 Soil MG/KG		517-S-B001-01 517SB00101 698366 517SB00101 04/04/95 Soil MG/KG		517-S-B001-02 517SB00102 698371 517SB00102 04/04/95 Soil MG/KG		517-S-B002-01 517SB00201 698348 517SB00201 04/04/95 Soil MG/KG		517-S-B002-02 517SB00202 698353 517SB00202 04/04/95 Soil MG/KG	
CAS #	Parameter	50005M	VAL	50005M	VAL	50004M	VAL	50004M	VAL	50004M	VAL	50004M	VAL
7429-90-5	Aluminum (Al)	7850.	J	4230.	J	5740.		5880.		3450.		4170.	
7440-36-0	Antimony (Sb)	0.2	UJ	0.22	UJ	0.41	J	0.2	UJ	0.55	J	0.2	UJ
7440-38-2	Arsenic (As)	0.34	U	0.37	U	1.9		0.34	U	1.3		0.34	U
7440-39-3	Barium (Ba)	22.7	J	15.4	J	18.6	J	3.5	J	15.9	J	13.1	J
7440-41-7	Beryllium (Be)	0.23	U	0.09	U	0.18	U	0.08	U	0.12	U	0.09	U
7440-43-9	Cadmium (Cd)	0.03	U	0.03	U	0.05	U	0.03	U	0.18	U	0.03	U
7440-70-2	Calcium (Ca)	898.	J	527.	J	1270.		460.	J	8210.		1440.	J
7440-47-3	Chromium (Cr)	6.8	J	6.	J	10.1		5.6		5.9		4.6	
7440-48-4	Cobalt (Co)	0.76	J	0.81	J	1.6	J	0.48	J	0.62	J	0.54	J
7440-50-8	Copper (Cu)	2.	J	1.5	J	19.4	J	0.61	UJ	6.7	J	2.	J
7439-89-6	Iron (Fe)	3030.	J	2720.	J	3040.		727.		1760.		1790.	
7439-92-1	Lead (Pb)	3.9	J	3.9	J	52.2	J	3.6	J	125.	J	16.3	J
7439-95-4	Magnesium (Mg)	396.	J	363.	J	275.	J	119.	J	271.	J	196.	J
7439-96-5	Manganese (Mn)	37.9	J	57.4	J	27.3		4.2		19.9		13.8	J
7439-97-6	Mercury (Hg)	0.1	U	0.1	U	0.11	U	0.11	U	0.1	U	0.11	U
7440-02-0	Nickel (Ni)	2.8	J	1.8	J	4.8		1.5	U	3.1	J	1.5	U
7440-09-7	Potassium (K)	188.	J	203.	J	145.	J	73.9	J	172.	J	107.	J
7782-49-2	Selenium (Se)	0.47	UJ	0.5	UJ	0.47	UJ	0.47	UJ	0.45	UJ	0.47	UJ
7440-22-4	Silver (Ag)	0.05	UJ	0.06	UJ	0.05	U	0.05	U	0.05	U	0.05	U
7440-23-5	Sodium (Na)	101.	U	114.	U	97.3	U	95.	U	112.	U	91.2	U
7440-28-0	Thallium (Tl)	0.48	U	0.51	U	0.48	U	0.48	U	0.46	U	0.48	U
7440-62-2	Vanadium (V)	5.5	J	5.4	J	6.9		1.4	J	4.7	J	3.1	J
7440-66-6	Zinc (Zn)	8.1	J	23.6	J	106.	J	3.4	J	59.4	J	14.7	J
7440-31-5	Tin (Sn)	0.63	UJ	0.84	J	3.3	J	1.4	J	1.8	J	1.3	J
57-12-5	Cyanide (CN)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-META	SAMPLE ID ------->	517-C-B002-02		517-S-B003-01		517-S-B003-02		517-S-B004-01		517-S-B004-02		517-S-B005-01	
	ORIGINAL ID ----->	517CB00202		517SB00301		517SB00302		517SB00401		517SB00402		517SB00501	
	LAB SAMPLE ID --->	698360		698338		698343		698314		698319		698324	
	ID FROM REPORT -->	517CB00202		517SB00301		517SB00302		517SB00401		517SB00402		517SB00501	
	SAMPLE DATE ----->	04/04/95		04/04/95		04/04/95		04/04/95		04/04/95		04/04/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	50004M	VAL	50004M	VAL	50004M	VAL	50004M	VAL	50004M	VAL	50004M	VAL
7429-90-5	Aluminum (Al)	4680.		5560.		5420.		6620.		4150.		6280.	
7440-36-0	Antimony (Sb)	0.2	UJ	0.44	J	0.2	UJ	0.2	UJ	0.2	UJ	0.2	UJ
7440-38-2	Arsenic (As)	0.39	J	1.3		0.34	U	0.59	J	0.38	J	1.2	
7440-39-3	Barium (Ba)	15.6	J	16.8	J	15.5	J	14.6	J	9.2	J	10.6	J
7440-41-7	Beryllium (Be)	0.1	U	0.12	U	0.11	U	0.14	U	0.07	U	0.12	U
7440-43-9	Cadmium (Cd)	0.05	U	0.12	U	0.03	U	0.03	U	0.03	U	0.03	U
7440-70-2	Calcium (Ca)	26500.	J	9770.		3170.		185.	J	82.6	U	434.	J
7440-47-3	Chromium (Cr)	4.9		5.5		5.4		5.3		4.7		5.9	
7440-48-4	Cobalt (Co)	0.66	J	0.61	J	0.72	J	0.57	J	0.56	J	0.54	J
7440-50-8	Copper (Cu)	2.2	J	3.5	J	1.3	J	1.6	J	1.1	J	2.	J
7439-89-6	Iron (Fe)	2010.		2670.		2640.		2480.		2000.		2130.	
7439-92-1	Lead (Pb)	18.6	J	194.	J	8.8	J	7.3	J	3.8	J	8.4	J
7439-95-4	Magnesium (Mg)	453.	J	320.	J	341.	J	247.	J	176.	J	250.	J
7439-96-5	Manganese (Mn)	31.	J	21.9		18.6		17.6		14.3		15.3	
7439-97-6	Mercury (Hg)	0.11	U	0.1	U	0.1	U	0.11	U	0.11	U	0.16	
7440-02-0	Nickel (Ni)	1.9	J	2.5	J	2.1	J	2.3	J	1.5	U	2.4	J
7440-09-7	Potassium (K)	195.	J	154.	J	186.	J	119.	J	102.	J	104.	J
7782-49-2	Selenium (Se)	0.47	UJ	0.46	UJ	0.47	UJ	0.58	J	0.47	UJ	0.46	UJ
7440-22-4	Silver (Ag)	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
7440-23-5	Sodium (Na)	112.	U	86.6	U	83.2	U	161.	U	94.7	U	93.9	U
7440-28-0	Thallium (Tl)	0.48	U	0.47	U	0.48	U	0.48	U	0.48	U	0.47	U
7440-62-2	Vanadium (V)	3.6	J	5.2	J	4.9	J	4.4	J	3.4	J	4.6	J
7440-66-6	Zinc (Zn)	18.9	J	39.1	J	11.2	J	9.5	J	5.8	J	20.1	J
7440-31-5	Tin (Sn)	1.3	J	2.7	J	0.83	J	0.8	J	1.3	J	0.79	J
57-12-5	Cyanide (CN)	NR		NR		NR		NR		NR		NR	

SW846-META	SAMPLE ID ------->	517-S-B005-02		518-S-B001-01		518-S-B001-02		518-S-B002-01		518-S-B002-02		518-S-B003-01	
	ORIGINAL ID ----->	517SB00502		518SB00101		518SB00102		518SB00201		518SB00202		518SB00301	
	LAB SAMPLE ID --->	698333		699022		699027		698965		698978		699008	
	ID FROM REPORT -->	517SB00502		518SB00101		518SB00102		518SB00201		518SB00202		518SB00301	
	SAMPLE DATE ----->	04/04/95		04/05/95		04/05/95		04/05/95		04/05/95		04/05/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	50004M	VAL	50005M	VAL	50005M	VAL	50005M	VAL	50005M	VAL	50005M	VAL
7429-90-5	Aluminum (Al)	5120.		6090.	J	3060.	J	6300.	J	6020.	J	6390.	J
7440-36-0	Antimony (Sb)	0.2	UJ	0.22	UJ	0.2	UJ	1.7	J	0.21	UJ	0.47	J
7440-38-2	Arsenic (As)	0.34	U	0.38	U	0.34	U	2.6		0.35	J	3.9	
7440-39-3	Barium (Ba)	3.4	J	21.	J	10.2	J	69.4	J	19.9	J	84.8	J
7440-41-7	Beryllium (Be)	0.07	U	0.18	U	0.07	U	0.22	U	0.17	U	0.27	U
7440-43-9	Cadmium (Cd)	0.03	U	0.04	U	0.03	U	0.75		0.03	U	0.24	U
7440-70-2	Calcium (Ca)	49.3	J	711.	J	191.	J	939.	J	126.	J	4040.	J
7440-47-3	Chromium (Cr)	5.5		5.2	J	4.8	J	19.7	J	6.3	J	7.9	J
7440-48-4	Cobalt (Co)	0.42	J	0.62	J	0.44	J	1.3	J	0.72	J	1.6	J
7440-50-8	Copper (Cu)	0.47	UJ	2.2	J	0.77	U	44.3		2.3	J	15.3	
7439-89-6	Iron (Fe)	774.		2390.	J	1580.	J	3650.	J	3030.	J	4140.	J
7439-92-1	Lead (Pb)	2.5	J	5.6	J	2.6	J	129.	J	6.5	J	55.3	J
7439-95-4	Magnesium (Mg)	116.	J	298.	J	180.	J	389.	J	317.	J	449.	J
7439-96-5	Manganese (Mn)	5.8		38.2	J	9.7	J	45.1	J	19.3	J	37.8	J
7439-97-6	Mercury (Hg)	0.11	U	0.11	U	0.09	U	0.09	U	0.09	U	0.1	U
7440-02-0	Nickel (Ni)	1.6	U	2.	J	1.	J	3.3	J	2.4	J	4.	J
7440-09-7	Potassium (K)	72.9	J	154.	J	123.	J	181.	J	130.	J	754.	J
7782-49-2	Selenium (Se)	0.47	UJ	0.92	J	0.47	UJ	0.47	UJ	0.49	J	1.	J
7440-22-4	Silver (Ag)	0.05	U	0.06	UJ	0.05	UJ	0.05	UJ	0.05	UJ	0.05	UJ
7440-23-5	Sodium (Na)	87.	U	96.9	U	87.4	U	206.	U	84.6	U	490.	J
7440-28-0	Thallium (Tl)	0.48	U	0.53	U	0.48	U	0.48	U	0.49	U	0.48	U
7440-62-2	Vanadium (V)	1.5	J	4.6	J	3.	J	7.3	J	4.6	J	7.4	J
7440-66-6	Zinc (Zn)	2.8	J	11.8	J	3.3	J	279.	J	16.5	J	45.4	J
7440-31-5	Tin (Sn)	1.2	J	1.1	J	0.8	J	3.3	J	0.98	J	1.4	J
57-12-5	Cyanide (CN)	NR		NR		NR		NR		NR		NR	

SW846-META													
	SAMPLE ID ------->	518-S-B003-02		518-S-B004-01		518-C-B004-01		518-S-B004-02		518-S-B005-01		518-S-B005-02	
	ORIGINAL ID ----->	518SB00302		518SB00401		518CB00401		518SB00402		518SB00501		518SB00502	
	LAB SAMPLE ID --->	699015		698994		699040		699001		698983		698988	
	ID FROM REPORT -->	518SB00302		518SB00401		518CB00401		518SB00402		518SB00501		518SB00502	
	SAMPLE DATE ----->	04/05/95		04/05/95		04/05/95		04/05/95		04/05/95		04/05/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	50005M	VAL	50004M	VAL	50005M	VAL	50005M	VAL	50005M	VAL	50005M	VAL
7429-90-5	Aluminum (Al)	3730.	J	4880.		5110.	J	3890.	J	10000.	J	4230.	J
7440-36-0	Antimony (Sb)	0.2	UJ	0.3	J	0.25	J	0.2	UJ	0.21	UJ	0.2	UJ
7440-38-2	Arsenic (As)	0.38	J	2.		1.9		0.34	U	1.2		0.63	J
7440-39-3	Barium (Ba)	14.	J	33.1		34.1	J	9.8	J	87.3	J	12.6	J
7440-41-7	Beryllium (Be)	0.18	U	0.18	U	0.18	U	0.09	U	0.49	J	0.09	U
7440-43-9	Cadmium (Cd)	0.03	U	0.14	U	0.12	U	0.03	U	0.06	U	0.03	U
7440-70-2	Calcium (Ca)	188.	J	630.		741.	J	166.	J	4400.	J	139.	J
7440-47-3	Chromium (Cr)	5.6	J	6.4		7.1	J	5.7	J	7.3	J	6.2	J
7440-48-4	Cobalt (Co)	0.55	J	0.8	J	0.87	J	0.69	J	1.6	J	0.66	J
7440-50-8	Copper (Cu)	4.		1300.	J	7.7		1.	J	5.2		1.4	J
7439-89-6	Iron (Fe)	1980.	J	2600.		2720.	J	1620.	J	4250.	J	2570.	J
7439-92-1	Lead (Pb)	4.5	J	89.6	J	185.	J	3.2	J	9.8	J	3.2	J
7439-95-4	Magnesium (Mg)	210.	J	236.	J	287.	J	225.	J	514.	J	282.	J
7439-96-5	Manganese (Mn)	9.6	J	24.6		26.8	J	12.4	J	58.4	J	12.6	J
7439-97-6	Mercury (Hg)	0.1	U	0.11	U	0.1	U	0.11	U	0.11	U	0.11	U
7440-02-0	Nickel (Ni)	1.4	J	2.4	J	2.6	J	1.7	J	3.8	J	1.6	J
7440-09-7	Potassium (K)	154.	J	106.	J	149.	J	143.	J	374.	J	158.	J
7782-49-2	Selenium (Se)	0.46	UJ	0.46	UJ	0.61	J	0.47	UJ	0.48	UJ	0.47	UJ
7440-22-4	Silver (Ag)	0.05	UJ	0.05	U	0.05	UJ	0.05	UJ	0.05	UJ	0.05	UJ
7440-23-5	Sodium (Na)	176.	U	102.	U	106.	U	99.2	U	192.	U	92.3	U
7440-28-0	Thallium (Tl)	0.47	U	0.47	U	0.48	U	0.48	U	0.49	U	0.48	U
7440-62-2	Vanadium (V)	3.7	J	4.8	J	5.8	J	3.4	J	8.8	J	5.	J
7440-66-6	Zinc (Zn)	6.3	J	107.	J	67.5	J	4.4	J	13.8	J	5.7	J
7440-31-5	Tin (Sn)	1.1	J	19.1	J	6.4	J	0.67	J	0.8	J	1.5	J
57-12-5	Cyanide (CN)	NR		NR		NR		NR		NR		NR	

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-META	SAMPLE ID ------->	518-C-B006-01		518-S-B008-01		518-S-B009-01		518-S-B010-01		519-S-B001-01		519-C-B001-01	
	ORIGINAL ID ----->	518CB00601		518SB00801		518SB00901		518SB01001		519SB00101		519CB00101	
	LAB SAMPLE ID --->	736705		736722		736723		736725		706640		706654	
	ID FROM REPORT -->	518CB00601		518SB00801		518SB00901		518SB01001		519SB00101		519CB00101	
	SAMPLE DATE ----->	06/28/95		06/28/95		06/28/95		06/28/95		04/22/95		04/22/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	21521M	VAL	21521M	VAL	21521M	VAL	21521M	VAL	50015M	VAL	50015M	VAL
7429-90-5	Aluminum (Al)	4740.		4640.		5330.		5530.		5780.	J	5680.	J
7440-36-0	Antimony (Sb)	0.23	J	0.89	J	0.49	J	1.3	J	0.2	UJ	0.2	UJ
7440-38-2	Arsenic (As)	1.2	U	3.6		2.3	U	2.1	U	0.35	U	0.35	U
7440-39-3	Barium (Ba)	25.		47.5		26.2		114.		12.5	J	12.1	J
7440-41-7	Beryllium (Be)	0.16	U	0.24	U	0.24	U	0.26	U	0.2	U	0.2	U
7440-43-9	Cadmium (Cd)	0.03	U	1.2		0.73		0.4	U	0.03	UJ	0.03	U
7440-70-2	Calcium (Ca)	473.	J	4610.		20600.		1190.		956.		856.	
7440-47-3	Chromium (Cr)	5.8		10.8		12.		39.1		7.3	J	5.9	J
7440-48-4	Cobalt (Co)	0.43	J	1.5	J	1.3	J	0.73	J	0.51	J	0.5	J
7440-50-8	Copper (Cu)	9.6		18.5		15.5		17.		0.94	UJ	0.93	UJ
7439-89-6	Iron (Fe)	2470.		3780.		3800.		2990.		2710.		2710.	
7439-92-1	Lead (Pb)	30.		94.2		71.1	U	750.		2.8	J	2.8	J
7439-95-4	Magnesium (Mg)	267.	J	364.	J	577.	J	310.	J	309.	J	271.	J
7439-96-5	Manganese (Mn)	22.8		44.6		58.1		41.		17.	J	16.8	J
7439-97-6	Mercury (Hg)	0.11	U	0.11	U	0.13		0.54		0.1	U	0.11	U
7440-02-0	Nickel (Ni)	2.5	J	4.3		5.		3.9	J	1.8	J	1.8	J
7440-09-7	Potassium (K)	151.	J	155.	J	333.	J	152.	J	113.	J	113.	J
7782-49-2	Selenium (Se)	0.48	U	0.73		0.71		0.49	J	0.47	UJ	0.47	UJ
7440-22-4	Silver (Ag)	0.06	U	0.05	U	0.06	U	0.06	U	0.05	UJ	0.05	UJ
7440-23-5	Sodium (Na)	177.	U	206.	U	254.	J	230.	J	116.	J	120.	J
7440-28-0	Thallium (Tl)	0.5	U	0.48	U	0.54	U	0.5	U	0.48	U	0.48	U
7440-62-2	Vanadium (V)	5.8		9.2		10.8		9.2		4.	J	4.	J
7440-66-6	Zinc (Zn)	69.1	J	141.	J	155.	J	174.	J	5.9	J	6.3	J
7440-31-5	Tin (Sn)	1.4	J	2.	J	2.4	J	2.9	J	1.4	UR	1.6	UR
57-12-5	Cyanide (CN)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

SW846-META													
	SAMPLE ID ------->	519-S-B001-02		519-S-B002-01		519-S-B002-02		519-S-B003-01		519-S-B003-02		519-S-B004-01	
	ORIGINAL ID ----->	519SB00102		519SB00201		519SB00202		519SB00301		519SB00302		519SB00401	
	LAB SAMPLE ID --->	706669		706675		706681		706687		706697		706703	
	ID FROM REPORT -->	519SB00102		519SB00201		519SB00202		519SB00301		519SB00302		519SB00401	
	SAMPLE DATE ----->	04/22/95		04/22/95		04/22/95		04/22/95		04/22/95		04/22/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	50015M	VAL	50015M	VAL	50015M	VAL	50015M	VAL	50015M	VAL	50015M	VAL
7429-90-5	Aluminum (Al)	3760.	J	5520.	J	3140.	J	4630.	J	3700.	J	4910.	J
7440-36-0	Antimony (Sb)	0.2	UJ	0.2	UJ	0.19	UJ	0.2	UJ	0.19	UJ	0.2	UJ
7440-38-2	Arsenic (As)	0.49	U	2.1	U	0.34	U	1.6	U	0.58	U	0.96	U
7440-39-3	Barium (Ba)	6.9	J	32.4		8.3	J	26.6		14.3	J	18.4	J
7440-41-7	Beryllium (Be)	0.13	U	0.21	U	0.1	U	0.18	U	0.11	U	0.18	U
7440-43-9	Cadmium (Cd)	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U
7440-70-2	Calcium (Ca)	104.	J	3190.		284.	J	913.		1840.		3060.	
7440-47-3	Chromium (Cr)	5.3	J	7.1	J	4.3	J	5.8	J	5.6	J	5.6	J
7440-48-4	Cobalt (Co)	0.55	J	0.69	J	0.56	J	0.51	J	0.58	J	0.41	J
7440-50-8	Copper (Cu)	0.71	UJ	3.7	J	0.81	UJ	1.8	J	1.1	UJ	2.5	J
7439-89-6	Iron (Fe)	2110.		2810.		2170.		2430.		2490.		2440.	
7439-92-1	Lead (Pb)	1.9	J	8.7	J	2.2	J	5.4	J	2.9	J	36.	J
7439-95-4	Magnesium (Mg)	212.	J	411.	J	219.	J	275.	J	309.	J	272.	J
7439-96-5	Manganese (Mn)	13.1	J	25.9	J	14.9	J	32.7	J	26.9	J	18.9	J
7439-97-6	Mercury (Hg)	0.11	U	0.12		0.11		0.11	U	0.1	U	0.16	
7440-02-0	Nickel (Ni)	1.5	J	2.4	J	1.3	J	1.9	J	1.5	J	1.6	J
7440-09-7	Potassium (K)	93.7	J	143.	J	109.	J	96.5	J	148.	J	92.4	J
7782-49-2	Selenium (Se)	0.53	J	0.46	UJ	0.45	UJ	0.47	UJ	0.45	UJ	0.47	UJ
7440-22-4	Silver (Ag)	0.05	UJ	0.05	UJ	0.05	UJ	0.05	UJ	0.05	UJ	0.05	UJ
7440-23-5	Sodium (Na)	122.	J	149.	J	120.	J	111.	J	126.	J	106.	J
7440-28-0	Thallium (Tl)	0.47	U	0.47	U	0.46	U	0.48	U	0.46	U	0.48	U
7440-62-2	Vanadium (V)	3.	J	5.	J	3.	J	3.1	J	3.9	J	3.7	J
7440-66-6	Zinc (Zn)	4.2	J	10.4	J	4.8	J	7.6	J	5.8	J	14.1	J
7440-31-5	Tin (Sn)	1.2	UR	2.	UR	1.7	UR	2.1	UR	1.8	UR	2.7	UR
57-12-5	Cyanide (CN)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-META	SAMPLE ID ------->	519-S-B004-02		519-S-B005-01		519-S-B005-02		519-S-B006-01		519-S-B006-02		520-S-B001-01	
	ORIGINAL ID ----->	519SB00402		519SB00501		519SB00502		519SB00601		519SB00602		520SB00101	
	LAB SAMPLE ID --->	706710		706716		706723		706732		706738		700531	
	ID FROM REPORT -->	519SB00402		519SB00501		519SB00502		519SB00601		519SB00602		520SB00101	
	SAMPLE DATE ----->	04/22/95		04/22/95		04/22/95		04/22/95		04/22/95		04/07/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	50015M	VAL	50015M	VAL	50015M	VAL	50015M	VAL	50015M	VAL	50005M	VAL
7429-90-5	Aluminum (Al)	3370.	J	4770.	J	3090.	J	5650.	J	4030.	J	4640.	J
7440-36-0	Antimony (Sb)	0.2	UJ	0.2	UJ	0.2	UJ	0.2	UJ	0.2	UJ	0.2	UJ
7440-38-2	Arsenic (As)	0.34	U	1.3	U	0.86	U	0.68	U	0.88	U	1.4	
7440-39-3	Barium (Ba)	9.9	J	16.	J	6.4	J	12.5	J	6.	J	21.4	J
7440-41-7	Beryllium (Be)	0.12	U	0.17	U	0.11	U	0.18	U	0.12	U	0.27	U
7440-43-9	Cadmium (Cd)	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.23	U
7440-70-2	Calcium (Ca)	167.	J	2400.		607.		1360.		709.		86500.	J
7440-47-3	Chromium (Cr)	4.4	J	6.5	J	4.8	J	5.5	J	5.6	J	9.1	J
7440-48-4	Cobalt (Co)	0.55	J	0.35	J	0.6	J	0.53	J	0.68	J	10.3	
7440-50-8	Copper (Cu)	0.95	UJ	1.8	J	0.62	UJ	0.96	UJ	0.77	UJ	3.8	
7439-89-6	Iron (Fe)	2140.		2350.		1760.		2700.		2730.		4220.	J
7439-92-1	Lead (Pb)	2.3	J	6.6	J	1.5	J	3.6	J	2.2	J	14.8	J
7439-95-4	Magnesium (Mg)	229.	J	254.	J	203.	J	274.	J	203.	J	2490.	J
7439-96-5	Manganese (Mn)	15.4	J	20.4	J	11.3	J	19.5	J	14.6	J	71.2	J
7439-97-6	Mercury (Hg)	0.11	U	0.11		0.11	U	0.11	U	0.11	U	0.09	U
7440-02-0	Nickel (Ni)	1.3	J	1.4	J	1.6	J	2.2	J	1.8	J	8.2	
7440-09-7	Potassium (K)	110.	J	106.	J	85.	J	119.	J	99.1	J	1550.	J
7782-49-2	Selenium (Se)	0.46	UJ	0.46	UJ	0.46	UJ	0.46	UJ	0.46	UJ	0.45	UJ
7440-22-4	Silver (Ag)	0.05	UJ	0.05	UJ	0.05	UJ	0.05	UJ	0.05	UJ	0.05	UJ
7440-23-5	Sodium (Na)	110.	J	115.	J	129.	J	98.6	J	123.	J	241.	U
7440-28-0	Thallium (Tl)	0.47	U	0.47	U	0.47	U	0.47	U	0.47	U	0.46	U
7440-62-2	Vanadium (V)	3.2	J	3.7	J	2.5	J	4.1	J	4.2	J	7.7	J
7440-66-6	Zinc (Zn)	5.3	J	8.6	J	3.7	J	11.2	J	6.8	J	21.9	J
7440-31-5	Tin (Sn)	1.8	UR	1.8	UR	1.6	UR	1.4	UR	1.8	UR	0.76	J
57-12-5	Cyanide (CN)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-META												
	SAMPLE ID ------->	520-S-B001-02		520-S-B002-01		520-S-B002-02		520-S-B003-01		520-S-B003-02		520-C-B003-02	
	ORIGINAL ID ----->	520SB00102		520SB00201		520SB00202		520SB00301		520SB00302		520CB00302	
	LAB SAMPLE ID --->	700539		700546		700551		700556		700561		701029	
	ID FROM REPORT -->	520SB00102		520SB00201		520SB00202		520SB00301		520SB00302		520CB00302	
	SAMPLE DATE ----->	04/07/95		04/07/95		04/07/95		04/07/95		04/07/95		04/07/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	50005M	VAL	50005M	VAL	50005M	VAL	50005M	VAL	50005M	VAL	0006M	VAL
7429-90-5	Aluminum (Al)	3410.	J	4980.	J	2500.	J	4150.	J	2820.	J	2880.	J
7440-36-0	Antimony (Sb)	0.19	UJ	0.27	J	0.2	UJ	0.21	UJ	0.2	UJ	0.19	UJ
7440-38-2	Arsenic (As)	0.32	U	0.34	UJ	0.33	U	0.47	J	0.33	U	0.32	U
7440-39-3	Barium (Ba)	13.5	J	21.6	J	7.8	J	28.1	J	5.	J	4.9	J
7440-41-7	Beryllium (Be)	0.09	U	0.17	U	0.06	U	0.16	U	0.06	U	0.06	U
7440-43-9	Cadmium (Cd)	0.03	U	0.04	U	0.03	U	0.06	U	0.03	U	0.03	U
7440-70-2	Calcium (Ca)	643.	J	39300.	J	12200.	J	3840.	J	1390.	J	355.	J
7440-47-3	Chromium (Cr)	3.9	J	5.6	J	3.6	J	4.1	J	3.8	J	3.6	
7440-48-4	Cobalt (Co)	0.88	J	6.5		6.6		0.65	U	0.55	U	0.47	J
7440-50-8	Copper (Cu)	1.1	J	5.9		1.	J	3.4		0.58	J	0.52	J
7439-89-6	Iron (Fe)	1950.	J	2260.	J	1500.	J	2010.	J	819.	J	786.	
7439-92-1	Lead (Pb)	3.4	J	21.4	J	2.5	J	41.1	J	1.9	J	1.9	
7439-95-4	Magnesium (Mg)	231.	J	1520.	J	455.	J	275.	J	158.	J	118.	J
7439-96-5	Manganese (Mn)	13.8	J	51.2	J	21.7	J	27.3	J	7.3	J	6.6	
7439-97-6	Mercury (Hg)	0.08	U	0.1	U	0.1	U	0.11	U	0.1	U	0.1	U
7440-02-0	Nickel (Ni)	1.7	J	3.3	J	2.	J	1.6	J	1.2	J	1.	J
7440-09-7	Potassium (K)	121.	J	301.	J	145.	J	91.7	J	73.5	J	55.9	J
7782-49-2	Selenium (Se)	0.44	UJ	0.47	UJ	0.46	UJ	0.49	UJ	0.45	UJ	0.61	J
7440-22-4	Silver (Ag)	0.05	UJ	0.05	UJ	0.05	UJ	0.06	UJ	0.05	UJ	0.05	UJ
7440-23-5	Sodium (Na)	104.	U	273.	J	158.	U	92.5	U	104.	U	135.	U
7440-28-0	Thallium (Tl)	0.45	U	0.48	U	0.47	U	0.5	U	0.46	U	0.46	U
7440-62-2	Vanadium (V)	3.3	J	4.3	J	2.7	J	2.9	J	1.5	J	1.1	J
7440-66-6	Zinc (Zn)	5.4	J	33.	J	4.5	J	27.3	J	2.3	J	2.7	
7440-31-5	Tin (Sn)	0.99	J	1.3	J	0.91	J	1.4	J	1.	J	1.3	J
57-12-5	Cyanide (CN)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-META													
	SAMPLE ID ------>	520-S-B004-01		520-S-B004-02		520-S-B005-01		520-S-B005-02		520-S-B006-01		520-S-B006-02	
	ORIGINAL ID ----->	520SB00401		520SB00402		520SB00501		520SB00502		520SB00601		520SB00602	
	LAB SAMPLE ID --->	700574		700587		700592		700597		700602		700607	
	ID FROM REPORT -->	520SB00401		520SB00402		520SB00501		520SB00502		520SB00601		520SB00602	
	SAMPLE DATE ----->	04/07/95		04/07/95		04/07/95		04/07/95		04/07/95		04/07/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	0006M	VAL	0006M	VAL	0006M	VAL	0006M	VAL	0006M	VAL	0006M	VAL
7429-90-5	Aluminum (Al)	4540.	J	2610.	J	4960.	J	3960.	J	4730.	J	2050.	J
7440-36-0	Antimony (Sb)	0.2	UJ	0.19	UJ	0.24	J	0.2	UJ	0.2	UJ	0.19	UJ
7440-38-2	Arsenic (As)	0.33	U	0.33	U	0.34	U	0.33	U	0.34	U	0.32	U
7440-39-3	Barium (Ba)	11.1	J	4.6	J	13.7	J	5.1	J	15.9	J	5.4	J
7440-41-7	Beryllium (Be)	0.14	U	0.05	U	0.14	U	0.07	U	0.14	U	0.04	U
7440-43-9	Cadmium (Cd)	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U
7440-70-2	Calcium (Ca)	1680.		952.		6250.		1460.		1830.		379.	J
7440-47-3	Chromium (Cr)	3.6		3.2		4.3		4.3		3.9		2.4	
7440-48-4	Cobalt (Co)	1.1	J	1.2	J	2.1	J	0.8	J	0.39	J	0.34	J
7440-50-8	Copper (Cu)	0.92	J	0.62	J	1.5	J	0.65	J	1.6	J	0.62	J
7439-89-6	Iron (Fe)	1920.		1180.		2090.		980.		1940.		1120.	
7439-92-1	Lead (Pb)	2.5		1.8		5.4		1.9		8.7		2.6	
7439-95-4	Magnesium (Mg)	224.	J	110.	J	373.	J	151.	J	247.	J	80.8	J
7439-96-5	Manganese (Mn)	15.2		9.6		19.8		9.2		18.9		8.3	
7439-97-6	Mercury (Hg)	0.1	U	0.1	U	0.1	U	0.1	U	0.11	U	0.1	U
7440-02-0	Nickel (Ni)	1.7	J	0.92	J	2.	J	1.3	J	1.5	J	0.75	J
7440-09-7	Potassium (K)	90.8	J	61.7	J	115.	J	70.6	J	207.	J	66.5	J
7782-49-2	Selenium (Se)	0.57	J	0.45	UJ	0.46	UJ	0.46	UJ	0.48	J	0.44	UJ
7440-22-4	Silver (Ag)	0.05	UJ	0.05	UJ	0.05	UJ	0.05	UJ	0.05	UJ	0.05	UJ
7440-23-5	Sodium (Na)	118.	U	118.	U	121.	U	107.	U	177.	U	147.	U
7440-28-0	Thallium (Tl)	0.47	U	0.46	U	0.47	U	0.47	U	0.48	U	0.45	U
7440-62-2	Vanadium (V)	2.7	J	1.7	J	3.3	J	1.5	J	2.9	J	1.2	J
7440-66-6	Zinc (Zn)	4.8		2.9		7.8		2.4		11.2		2.9	
7440-31-5	Tin (Sn)	0.93	J	1.7	J	1.7	J	1.7	J	1.6	J	1.4	J
57-12-5	Cyanide (CN)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-META	SAMPLE ID ------->	523-S-B001-01	523-S-B001-02	523-S-B002-01	523-S-B002-02	523-C-B002-02	523-G-W001-01
	ORIGINAL ID ----->	523SB00101	523SB00102	523SB00201	523SB00202	523CB00202	523GW00101
	LAB SAMPLE ID --->	697996	698008	698002	697990	698014	732766
	ID FROM REPORT -->	523SB00101	523SB00102	523SB00201	523SB00202	523CB00202	523GW00101
	SAMPLE DATE ----->	04/03/95	04/03/95	04/03/95	04/03/95	04/03/95	06/15/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Water
	UNITS ---------->	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	UG/L

CAS #	Parameter	50004M	VAL	50004M	VAL	50004M	VAL	50004M	VAL	50004M	VAL	21518M	VAL
7429-90-5	Aluminum (Al)	4760.		6150.		4910.		1150.		1450.		3700.	J
7440-36-0	Antimony (Sb)	0.21	UJ	0.23	UJ	0.46	J	0.21	UJ	0.21	UJ	1.9	U
7440-38-2	Arsenic (As)	2.7		0.38	U	6.3		0.36	U	0.36	U	16.6	
7440-39-3	Barium (Ba)	21.2	J	16.8	J	34.7		10.5	J	12.7	J	47.5	J
7440-41-7	Beryllium (Be)	0.24	U	0.19	U	0.19	U	0.04	U	0.06	U	0.46	U
7440-43-9	Cadmium (Cd)	0.18	U	0.04	U	0.03	U	0.03	U	0.03	U	0.3	U
7440-70-2	Calcium (Ca)	2450.		419.	J	3850.		291.	J	402.	J	17700.	J
7440-47-3	Chromium (Cr)	5.		3.8		59.2		3.5		4.9		7.3	J
7440-48-4	Cobalt (Co)	0.88	J	0.71	J	1.1	J	0.31	J	0.34	J	14.	J
7440-50-8	Copper (Cu)	33.2	J	1.2	J	9.8	J	0.79	UJ	1.4	J	4.8	J
7439-89-6	Iron (Fe)	2570.		1220.		3520.		1030.		1240.		21000.	
7439-92-1	Lead (Pb)	64.8	J	3.9	J	47.8	J	30.5	J	6.6	J	7.9	J
7439-95-4	Magnesium (Mg)	262.	J	213.	J	1460.		132.	J	179.	J	4320.	J
7439-96-5	Manganese (Mn)	34.4		6.3		24.5		11.2		12.6		921.	
7439-97-6	Mercury (Hg)	0.25		0.12	U	0.11	U	0.11	U	0.11	U	0.2	U
7440-02-0	Nickel (Ni)	6.		2.4	J	3.1	J	0.69	U	0.89	U	3.9	J
7440-09-7	Potassium (K)	130.	J	137.	J	235.	J	72.5	J	84.5	J	2160.	J
7782-49-2	Selenium (Se)	0.49	UJ	0.52	UJ	0.48	UJ	0.49	UJ	0.5	UJ	4.4	U
7440-22-4	Silver (Ag)	0.06	U	0.06	U	0.05	U	0.06	U	0.06	U	0.5	U
7440-23-5	Sodium (Na)	148.	U	124.	U	118.	U	91.6	U	119.	U	10600.	
7440-28-0	Thallium (Tl)	0.5	U	0.54	U	0.49	U	0.5	U	0.51	U	4.5	U
7440-62-2	Vanadium (V)	4.7	J	3.	J	8.1		2.1	J	2.4	J	9.9	J
7440-66-6	Zinc (Zn)	115.	J	5.5	J	23.2	J	3.4	J	6.1	J	52.7	J
7440-31-5	Tin (Sn)	2.3	J	1.4	J	1.6	J	1.3	J	1.6	J	8.	J
57-12-5	Cyanide (CN)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

| SW846-META | SAMPLE ID ------->
ORIGINAL ID ----->
LAB SAMPLE ID --->
ID FROM REPORT -->
SAMPLE DATE ----->
MATRIX ---------->
UNITS ---------->	523-H-W001-01 523HW00101 732775 523HW00101 06/15/95 Water UG/L		523-G-W002-01 523GW00201 730832 523GW00201 06/12/95 Water UG/L		GDC-S-B001-01 GRDSB00101 690546 GRDSB00101 03/15/95 Soil MG/KG		GDC-S-B001-02 GRDSB00102 690547 GRDSB00102 03/15/95 Soil MG/KG		GDC-S-B002-01 GRDSB00201 689925 GRDSB00201 03/13/95 Soil MG/KG		GDC-S-B003-01 GRDSB00301 691120 GRDSB00301 03/17/95 Soil MG/KG	
CAS #	Parameter	21518M	VAL	1517MI	VAL	0001MI	VAL	0001MI	VAL	0001MI	VAL	0002MI	VAL
7429-90-5	Aluminum (Al)	4040.	J	205.	UJ	5960.		3630.		2110.		5910.	
7440-36-0	Antimony (Sb)	1.9	U	1.9	U	0.67	UJ	0.2	UJ	0.23	UJ	0.28	J
7440-38-2	Arsenic (As)	14.9		26.6		3.		0.37	U	39.4		2.4	
7440-39-3	Barium (Ba)	48.2	J	9.2	U	69.1		6.9	J	9.4	J	15.7	J
7440-41-7	Beryllium (Be)	0.5	U	0.2	U	0.26	J	0.07	U	0.18	U	0.18	J
7440-43-9	Cadmium (Cd)	0.3	U	0.3	U	0.65		0.05	U	0.06	U	0.16	J
7440-70-2	Calcium (Ca)	17800.	J	30300.		2270.		392.	J	20800.		50100.	
7440-47-3	Chromium (Cr)	7.9	J	1.1	J	18.8		3.7	J	8.8		14.4	
7440-48-4	Cobalt (Co)	14.2	J	3.7	J	1.2	J	0.23	J	0.92	J	1.2	J
7440-50-8	Copper (Cu)	5.3	J	0.7	UJ	39.7	J	0.55	J	6.2	J	6.2	
7439-89-6	Iron (Fe)	21000.		9730.		4270.		732.		3280.		4230.	
7439-92-1	Lead (Pb)	8.1	J	4.5	U	389.	J	4.3	J	13.7	J	54.1	
7439-95-4	Magnesium (Mg)	4340.	J	4450.	J	268.	J	109.	J	792.		1080.	
7439-96-5	Manganese (Mn)	925.		240.		62.8		5.1		48.9		53.	
7439-97-6	Mercury (Hg)	0.2	U	0.2	U	0.09	U	0.09	U	0.11		0.11	U
7440-02-0	Nickel (Ni)	6.9	J	1.4	U	3.9	J	0.16	UJ	3.	J	5.5	
7440-09-7	Potassium (K)	2250.	J	1760.	J	132.	J	67.1	J	283.	J	490.	J
7782-49-2	Selenium (Se)	4.4	U	4.4	U	0.62	J	0.46	UJ	0.63	J	0.51	UJ
7440-22-4	Silver (Ag)	0.5	U	0.5	U	0.07	UJ	0.06	UJ	0.07	UJ	0.07	UJ
7440-23-5	Sodium (Na)	10700.		5120.	U	159.	U	124.	U	254.	J	424.	J
7440-28-0	Thallium (Tl)	4.5	U	4.5	U	0.61	U	0.58	U	0.61	U	0.64	U
7440-62-2	Vanadium (V)	10.5	J	1.7	J	7.3		1.5	J	7.2		11.1	
7440-66-6	Zinc (Zn)	79.1	J	28.6		142.		3.6		33.1		62.5	J
7440-31-5	Tin (Sn)	5.9	U	56.3	U	8.1		0.83	U	1.	J	1.1	J
57-12-5	Cyanide (CN)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-META	SAMPLE ID ------->	GDC-S-B004-01		GDC-S-B004-02		GDC-S-B005-01		GDC-S-B006-01		GDC-S-B007-01		GDC-S-B008-01	
	ORIGINAL ID ----->	GRDSB00401		GRDSB00402		GRDSB00501		GRDSB00601		GRDSB00701		GRDSB00801	
	LAB SAMPLE ID --->	703505		703511		691100		691083		703440		691126	
	ID FROM REPORT -->	GRDSB00401		GRDSB00402		GRDSB00501		GRDSB00601		GRDSB00701		GRDSB00801	
	SAMPLE DATE ----->	04/14/95		04/14/95		03/17/95		03/17/95		04/14/95		03/17/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	50012M	VAL	50012M	VAL	0002MI	VAL	0001MI	VAL	50010M	VAL	0002MI	VAL
7429-90-5	Aluminum (Al)	4080.		14000.		4000.		3270.		3540.		4240.	
7440-36-0	Antimony (Sb)	0.22	UJ	0.36	UJ	1.4	J	0.22	UJ	0.21	UJ	0.2	UJ
7440-38-2	Arsenic (As)	0.73	J	12.1	J	7.2		3.4		1.	J	0.58	J
7440-39-3	Barium (Ba)	11.1	J	30.2	J	15.9	J	4.4	J	11.7	J	11.6	J
7440-41-7	Beryllium (Be)	0.07	U	0.86	J	0.16	J	0.12	U	0.12	U	0.11	J
7440-43-9	Cadmium (Cd)	0.03	U	0.3	U	0.06	U	0.06	U	0.03	U	0.05	U
7440-70-2	Calcium (Ca)	12700.		40300.		25100.		10200.		3800.	J	16400.	
7440-47-3	Chromium (Cr)	4.4		30.		9.5		7.4	J	4.3		7.6	
7440-48-4	Cobalt (Co)	0.57	J	6.	J	1.4	J	1.4	J	0.78	J	0.62	J
7440-50-8	Copper (Cu)	1.7	J	18.6		11.8		11.9	J	10.9		0.81	J
7439-89-6	Iron (Fe)	1510.		20900.		6210.		5710.		2930.		2140.	
7439-92-1	Lead (Pb)	7.1		32.6		14.2		7.4	J	17.6		2.7	
7439-95-4	Magnesium (Mg)	248.	J	3940.		639.		183.	J	431.	J	394.	J
7439-96-5	Manganese (Mn)	72.7		502.		41.8		42.9		61.8		19.7	
7439-97-6	Mercury (Hg)	0.11	U	0.3		0.12	U	0.11	U	0.11	U	0.11	U
7440-02-0	Nickel (Ni)	1.4	J	9.3		4.9		27.7		1.1	J	1.2	J
7440-09-7	Potassium (K)	180.	J	2460.	J	305.	J	64.6	J	292.	J	236.	J
7782-49-2	Selenium (Se)	0.5	U	1.5	J	0.6	J	0.55	J	0.49	UJ	0.46	UJ
7440-22-4	Silver (Ag)	0.06	U	0.09	U	0.07	UJ	0.07	UJ	0.06	U	0.06	UJ
7440-23-5	Sodium (Na)	120.	U	2160.	J	536.	J	186.	U	103.	U	139.	U
7440-28-0	Thallium (Tl)	0.51	U	0.85	U	0.63	U	0.64	U	0.5	U	0.58	U
7440-62-2	Vanadium (V)	4.7	J	40.4		8.5		4.5	J	5.7		5.7	
7440-66-6	Zinc (Zn)	9.6		82.3		35.4	J	33.5		24.7		4.1	J
7440-31-5	Tin (Sn)	1.3	J	1.1	UJ	1.2	J	0.91	U	1.2	J	0.94	J
57-12-5	Cyanide (CN)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-META	SAMPLE ID ------>	GDC-S-B008-02		GDC-S-B009-01		GDC-S-B009-02		GDC-S-B010-01		GDC-S-B010-02		GDC-S-B011-01	
	ORIGINAL ID ----->	GRDSB00802		GRDSB00901		GRDSB00902		GRDSB01001		GRDSB01002		GRDSB01101	
	LAB SAMPLE ID --->	691132		696973		697006		702562		702558		702571	
	ID FROM REPORT -->	GRDSB00802		MAC001		MAC006		MAC009		MAC006		MAC013	
	SAMPLE DATE ----->	03/17/95		03/31/95		03/31/95		04/10/95		04/10/95		04/10/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	0002MI	VAL	50003M	VAL	50003M	VAL	0011MI	VAL	0011MI	VAL	0011MI	VAL
7429-90-5	Aluminum (Al)	9320.		5420.		5630.		3890.	J	25400.	J	4890.	J
7440-36-0	Antimony (Sb)	0.23	UJ	0.21	UJ	0.54	UJ	0.24	UJ	0.34	UJ	0.23	UJ
7440-38-2	Arsenic (As)	5.4		2.7	UJ	3.1	J	0.41	UJ	14.1	J	0.38	UJ
7440-39-3	Barium (Ba)	17.1	J	13.5	J	16.7	J	6.	J	39.6	J	15.6	J
7440-41-7	Beryllium (Be)	0.24	J	0.17	UJ	0.16	UJ	0.05	UJ	0.98	J	0.12	UJ
7440-43-9	Cadmium (Cd)	0.06	U	0.03	U	0.04	U	0.04	UJ	0.34	UJ	0.04	UJ
7440-70-2	Calcium (Ca)	2490.		18600.		9380.		1210.	J	17200.	J	887.	J
7440-47-3	Chromium (Cr)	9.8		8.7		11.1		5.3	J	39.8	J	9.	J
7440-48-4	Cobalt (Co)	1.4	J	1.2	J	1.	J	0.41	UJ	7.1	J	0.68	UJ
7440-50-8	Copper (Cu)	3.7		5.8		17.5		2.1	J	31.5	J	11.5	J
7439-89-6	Iron (Fe)	4530.		4700.		4700.		1540.	J	26200.	J	2670.	J
7439-92-1	Lead (Pb)	8.6		13.6		57.4		7.	J	94.6	J	35.4	J
7439-95-4	Magnesium (Mg)	494.	J	555.		489.	J	184.	J	3870.	J	236.	J
7439-96-5	Manganese (Mn)	42.3		45.5		31.7		19.9	J	520.	J	32.3	J
7439-97-6	Mercury (Hg)	0.12	U	0.11	U	0.14		0.13	U	8.5		0.12	U
7440-02-0	Nickel (Ni)	3.3	J	2.9	J	3.8	J	0.54	J	12.5	J	2.	J
7440-09-7	Potassium (K)	302.	J	315.	J	237.	J	144.	J	2170.	J	162.	J
7782-49-2	Selenium (Se)	0.69	J	0.79	J	0.52	UJ	0.56	UJ	2.	J	0.53	J
7440-22-4	Silver (Ag)	0.07	UJ	0.05	UJ	0.06	UJ	0.06	UJ	0.09	UJ	0.06	UJ
7440-23-5	Sodium (Na)	130.	U	368.	J	406.	J	133.	U	290.	J	174.	U
7440-28-0	Thallium (Tl)	0.68	U	0.49	U	0.53	U	0.57	U	0.8	U	0.54	U
7440-62-2	Vanadium (V)	11.		9.2		10.6		4.7	J	56.9	J	8.1	J
7440-66-6	Zinc (Zn)	17.7	J	19.9		49.1		9.	J	149.	J	36.4	J
7440-31-5	Tin (Sn)	1.5	J	1.7	U	2.4	U	0.92	J	1.6	J	0.7	UJ
57-12-5	Cyanide (CN)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-META	SAMPLE ID ------->	GDC-S-B012-01		GDC-S-B012-02		GDC-S-B013-01		GDC-C-B013-01		GDC-S-B013-02		GDC-S-B014-01	
	ORIGINAL ID ----->	GRDSB01201		GRDSB01202		GRDSB01301		GRDCB01301		GRDSB01302		GRDSB01401	
	LAB SAMPLE ID --->	702019		702020		702008		702014		702018		703517	
	ID FROM REPORT -->	MAC015		MAC016		MAC001		GRDCB01301		MAC014		MAC017	
	SAMPLE DATE ----->	04/11/95		04/11/95		04/11/95		04/11/95		04/12/95		04/14/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	50009M	VAL	50009M	VAL	50009M	VAL	0006M	VAL	50009M	VAL	0011MI	VAL
7429-90-5	Aluminum (Al)	6730.		5220.		3450.		1850.	J	3470.		5320.	J
7440-36-0	Antimony (Sb)	0.21	UJ	0.2	UJ	0.33	J	0.35	J	0.2	UJ	0.21	UJ
7440-38-2	Arsenic (As)	1.5		0.44	J	0.77	J	0.33	U	0.34	U	0.35	UJ
7440-39-3	Barium (Ba)	17.1	J	11.5	J	16.4	J	14.1	J	10.5	J	7.	J
7440-41-7	Beryllium (Be)	0.2	U	0.07	U	0.1	U	0.06	U	0.06	U	0.07	UJ
7440-43-9	Cadmium (Cd)	0.03	U	0.03	U	0.28	U	0.27	J	0.03	U	0.03	UJ
7440-70-2	Calcium (Ca)	133.	UJ	64.4	UJ	6090.	J	13300.		269.	J	34800.	J
7440-47-3	Chromium (Cr)	6.		6.5		7.1		7.		4.1		6.6	J
7440-48-4	Cobalt (Co)	0.51	J	0.67	J	0.75	J	0.71	J	0.26	J	0.75	J
7440-50-8	Copper (Cu)	3.5		0.71	J	13.7	J	12.6		0.6	UJ	1.5	J
7439-89-6	Iron (Fe)	3290.		3460.		2450.		2400.		2410.		841.	J
7439-92-1	Lead (Pb)	46.7	J	4.3	J	97.6	J	121.		4.5	J	8.4	J
7439-95-4	Magnesium (Mg)	240.	J	203.	J	435.	J	477.	J	130.	J	432.	J
7439-96-5	Manganese (Mn)	37.7		18.9		33.6		39.1		9.5		55.2	J
7439-97-6	Mercury (Hg)	0.11	U	0.1	U	0.1	U	0.11	U	0.1	U	0.11	U
7440-02-0	Nickel (Ni)	1.9	J	1.6	U	3.1	J	3.2	J	0.79	U	1.4	J
7440-09-7	Potassium (K)	124.	J	125.	J	199.	J	185.	J	77.2	J	141.	J
7782-49-2	Selenium (Se)	0.49	UJ	0.46	UJ	0.46	UJ	0.58	J	0.47	UJ	0.48	J
7440-22-4	Silver (Ag)	0.06	U	0.05	U	0.05	U	0.05	UJ	0.05	U	0.05	UJ
7440-23-5	Sodium (Na)	124.	U	91.9	U	110.	U	138.	U	114.	U	158.	U
7440-28-0	Thallium (Tl)	0.5	U	0.47	U	0.47	U	0.47	U	0.48	U	0.49	U
7440-62-2	Vanadium (V)	6.4		6.3		9.1		7.8		5.3	J	2.7	J
7440-66-6	Zinc (Zn)	13.4	J	5.	J	133.	J	123.		6.1	J	9.2	J
7440-31-5	Tin (Sn)	1.3	J	1.3	J	0.71	J	2.4	J	1.9	J	0.79	J
57-12-5	Cyanide (CN)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-META	SAMPLE ID ------->	GDC-S-B014-02		GDC-S-B015-01		GDC-S-B015-02		GDC-S-B016-01		GDC-S-B017-01		GDC-C-B017-01	
	ORIGINAL ID ----->	GRDSB01402		GRDSB01501		GRDSB01502		GRDSB01601		GRDSB01701		GRDCB01701	
	LAB SAMPLE ID --->	703518		702559		702560		702570		702572		702599	
	ID FROM REPORT -->	MAC018		MAC007		MAC008		MAC012		MAC001		GRDCB01701	
	SAMPLE DATE ----->	04/14/95		04/10/95		04/10/95		04/10/95		04/10/95		04/10/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	0011MI	VAL	0011MI	VAL	0011MI	VAL	0011MI	VAL	0011MI	VAL	50010M	VAL
7429-90-5	Aluminum (Al)	5050.	J	7530.	J	7530.	J	6160.	J	9850.	J	7000.	
7440-36-0	Antimony (Sb)	0.2	UJ	0.21	UJ	0.21	UJ	0.23	UJ	0.21	UJ	0.24	UJ
7440-38-2	Arsenic (As)	0.33	UJ	2.4	J	0.62	J	0.62	J	9.6	J	3.8	J
7440-39-3	Barium (Ba)	3.9	J	51.1	J	18.7	J	25.	J	20.3	J	15.7	J
7440-41-7	Beryllium (Be)	0.08	UJ	0.27	UJ	0.21	UJ	0.13	UJ	0.37	UJ	0.3	U
7440-43-9	Cadmium (Cd)	0.03	UJ	0.2	UJ	0.03	UJ	0.04	UJ	0.12	UJ	0.07	U
7440-70-2	Calcium (Ca)	331.	J	2670.	J	738.	J	27600.	J	23800.	J	12500.	J
7440-47-3	Chromium (Cr)	5.9	J	21.	J	7.1	J	9.1	J	15.9	J	14.1	
7440-48-4	Cobalt (Co)	0.38	UJ	2.	J	0.66	UJ	1.7	J	2.	J	1.7	J
7440-50-8	Copper (Cu)	0.35	J	15.	J	3.7	J	5.8	J	12.7	J	9.9	
7439-89-6	Iron (Fe)	726.	J	6370.	J	3220.	J	4170.	J	9020.	J	6110.	
7439-92-1	Lead (Pb)	2.8	J	588.	J	14.9	J	26.6	J	50.7	J	38.6	
7439-95-4	Magnesium (Mg)	144.	J	591.	J	330.	J	901.	J	1070.	J	884.	
7439-96-5	Manganese (Mn)	3.2	J	82.1	J	57.4	J	69.5	J	86.1	J	74.2	
7439-97-6	Mercury (Hg)	0.1	U	0.24		0.11	U	0.12	U	0.11	U	0.12	U
7440-02-0	Nickel (Ni)	0.6	J	5.2	J	2.1	J	2.4	J	6.6	J	6.7	
7440-09-7	Potassium (K)	103.	J	369.	J	166.	J	360.	J	621.	J	429.	J
7782-49-2	Selenium (Se)	0.49	J	1.	J	0.72	J	0.67	J	0.51	J	0.55	UJ
7440-22-4	Silver (Ag)	0.05	UJ	0.05	UJ	0.06	UJ	0.06	J	0.05	UJ	0.06	U
7440-23-5	Sodium (Na)	101.	U	158.	U	118.	U	178.	U	729.	J	251.	U
7440-28-0	Thallium (Tl)	0.46	U	0.49	U	0.5	U	0.55	UJ	0.49	U	0.56	U
7440-62-2	Vanadium (V)	1.9	J	17.1	J	5.9	J	9.3	J	21.2	J	18.3	
7440-66-6	Zinc (Zn)	1.3	J	128.	J	11.4	J	58.5	J	42.7	J	41.9	
7440-31-5	Tin (Sn)	0.61	UJ	1.1	J	0.65	UJ	0.72	J	0.64	UJ	0.73	U
57-12-5	Cyanide (CN)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-META	SAMPLE ID ------->	GDC-S-B018-01		GDC-S-B019-01		GDC-S-B019-02		GDC-S-B020-01		GDC-S-B020-02		GDC-S-B021-01	
	ORIGINAL ID ----->	GRDSB01801		GRDSB01901		GRDSB01902		GRDSB02001		GRDSB02002		GRDSB02101	
	LAB SAMPLE ID --->	703516		703514		703515		702563		702569		701983	
	ID FROM REPORT -->	MAC016		MAC014		MAC015		MAC010		MAC011		MAC002	
	SAMPLE DATE ----->	04/14/95		04/14/95		04/14/95		04/11/95		04/11/95		04/11/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	0011MI	VAL	0011MI	VAL	0011MI	VAL	0011MI	VAL	0011MI	VAL	50009M	VAL
7429-90-5	Aluminum (Al)	2720.	J	3500.	J	4010.	J	4940.	J	3860.	J	4590.	
7440-36-0	Antimony (Sb)	0.29	J	0.2	UJ	0.21	UJ	0.21	UJ	0.2	UJ	0.2	UJ
7440-38-2	Arsenic (As)	1.7	J	3.8	J	0.36	UJ	1.4	J	0.34	UJ	12.5	
7440-39-3	Barium (Ba)	11.1	J	14.4	J	16.9	J	33.5	J	18.5	J	19.4	J
7440-41-7	Beryllium (Be)	0.08	UJ	0.15	UJ	0.21	UJ	0.24	UJ	0.13	UJ	0.1	U
7440-43-9	Cadmium (Cd)	0.03	UJ	0.13	UJ	0.03	UJ	0.08	UJ	0.03	UJ	0.03	U
7440-70-2	Calcium (Ca)	9370.	J	71400.	J	884.	J	16900.	J	713.	J	728.	J
7440-47-3	Chromium (Cr)	7.3	J	8.9	J	5.5	J	11.2	J	5.	J	8.5	
7440-48-4	Cobalt (Co)	0.62	UJ	1.4	J	0.86	J	1.6	J	0.58	UJ	0.4	J
7440-50-8	Copper (Cu)	21.4	J	26.1	J	1.	J	12.5	J	1.3	J	38.3	
7439-89-6	Iron (Fe)	4630.	J	3660.	J	4280.	J	4100.	J	2740.	J	2340.	
7439-92-1	Lead (Pb)	37.9	J	34.1	J	6.9	J	88.1	J	5.3	J	34.	J
7439-95-4	Magnesium (Mg)	261.	J	1140.	J	191.	J	462.	J	299.	J	177.	J
7439-96-5	Manganese (Mn)	16.2	J	73.	J	72.8	J	43.1	J	24.3	J	22.2	
7439-97-6	Mercury (Hg)	0.11	U	0.1	U	0.11	U	0.11	U	0.11	U	0.11	U
7440-02-0	Nickel (Ni)	2.1	J	4.8	J	1.2	J	6.1	J	1.4	J	1.6	U
7440-09-7	Potassium (K)	127.	J	461.	J	111.	J	301.	J	149.	J	83.9	J
7782-49-2	Selenium (Se)	0.64	J	0.55	J	0.58	J	0.71	J	0.47	UJ	0.46	UJ
7440-22-4	Silver (Ag)	0.05	J	0.05	UJ	0.06	UJ	0.05	UJ	0.05	UJ	0.05	U
7440-23-5	Sodium (Na)	142.	J	237.	U	136.	J	185.	U	114.	U	110.	U
7440-28-0	Thallium (Tl)	0.48	U	0.47	U	0.51	U	0.49	U	0.48	U	0.47	U
7440-62-2	Vanadium (V)	8.6	J	7.	J	8.8	J	9.5	J	4.	J	5.3	
7440-66-6	Zinc (Zn)	37.6	J	34.4	J	4.7	J	40.1	J	7.4	J	40.	J
7440-31-5	Tin (Sn)	1.9	J	1.7	J	0.66	UJ	1.6	J	0.86	J	1.4	J
57-12-5	Cyanide (CN)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-META	SAMPLE ID ------->	GDC-S-B021-02		GDC-S-B022-01		GDC-S-B022-02		GDC-S-B023-01		GDC-S-B023-02		GDC-C-B023-02	
	ORIGINAL ID ----->	GRDSB02102		GRDSB02201		GRDSB02202		GRDSB02301		GRDSB02302		GRDCB02302	
	LAB SAMPLE ID --->	701988		702006		702007		701989		701990		701996	
	ID FROM REPORT -->	MAC003		MAC012		MAC013		MAC004		MAC005		GRDCB02302	
	SAMPLE DATE ----->	04/11/95		04/11/95		04/11/95		04/11/95		04/11/95		04/11/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	50009M	VAL	50009M	VAL	50009M	VAL	50009M	VAL	50009M	VAL	0006M	VAL
7429-90-5	Aluminum (Al)	1720.		4030.		3350.		4760.		2990.		2180.	J
7440-36-0	Antimony (Sb)	0.19	UJ	0.2	UJ	0.2	UJ	0.44	J	0.2	UJ	0.19	UJ
7440-38-2	Arsenic (As)	0.33	U	0.4	J	0.33	U	0.79	J	0.33	U	0.32	U
7440-39-3	Barium (Ba)	3.6	J	20.4	J	7.3	J	22.3		7.8	J	6.3	J
7440-41-7	Beryllium (Be)	0.03	U	0.1	U	0.06	U	0.14	U	0.06	U	0.05	U
7440-43-9	Cadmium (Cd)	0.03	U	0.05	U	0.03	U	0.03	U	0.03	U	0.03	U
7440-70-2	Calcium (Ca)	96.4	UJ	799.	J	181.	J	1620.	J	89.2	UJ	93.8	J
7440-47-3	Chromium (Cr)	2.5		7.4		4.2		5.4		3.8		2.9	
7440-48-4	Cobalt (Co)	0.14	J	0.46	J	0.24	J	0.57	J	0.23	J	0.17	J
7440-50-8	Copper (Cu)	1.5	J	4.3		0.57	UJ	14.8		0.79	J	0.78	J
7439-89-6	Iron (Fe)	1170.		2190.		2450.		2580.		1880.		1640.	
7439-92-1	Lead (Pb)	2.9	J	64.7	J	3.7	J	44.7	J	3.2	J	2.5	
7439-95-4	Magnesium (Mg)	74.3	J	180.	J	156.	J	201.	J	138.	J	77.	J
7439-96-5	Manganese (Mn)	5.		32.2		6.9		23.		9.4		8.5	
7439-97-6	Mercury (Hg)	0.1	U	0.09	U	0.09	U	0.12		0.1	U	0.1	U
7440-02-0	Nickel (Ni)	0.76	U	1.3	U	0.81	U	2.3	J	0.97	U	0.57	J
7440-09-7	Potassium (K)	55.5	J	135.	J	116.	J	89.4	J	68.4	J	41.5	J
7782-49-2	Selenium (Se)	0.45	UJ	0.46	UJ	0.46	UJ	0.47	UJ	0.45	UJ	0.68	J
7440-22-4	Silver (Ag)	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	UJ
7440-23-5	Sodium (Na)	117.	U	118.	U	109.	U	118.	U	106.	U	129.	U
7440-28-0	Thallium (Tl)	0.46	U	0.47	U	0.47	U	0.48	U	0.46	U	0.45	U
7440-62-2	Vanadium (V)	2.4	J	5.6		5.2		5.3		3.9	J	2.7	J
7440-66-6	Zinc (Zn)	3.6	J	122.	J	6.6	J	43.6	J	3.2	J	2.4	
7440-31-5	Tin (Sn)	1.1	J	1.2	J	1.3	J	1.6	J	1.6	J	1.7	J
57-12-5	Cyanide (CN)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-META													
	SAMPLE ID ------->	GDC-S-B024-01		GDC-S-B024-02		GDC-S-B025-01		GDC-S-B025-02		GDC-S-B026-01		GDC-S-B026-02	
	ORIGINAL ID ----->	GRDSB02401		GRDSB02402		GRDSB02501		GRDSB02502		GRDSB02601		GRDSB02602	
	LAB SAMPLE ID --->	702004		702005		702454		702456		704087		704088	
	ID FROM REPORT -->	MAC010		MAC011		MAC004		MAC005		MAC019		MAC020	
	SAMPLE DATE ----->	04/11/95		04/11/95		04/12/95		04/12/95		04/17/95		04/17/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	50009M	VAL	50009M	VAL	0011MI	VAL	0011MI	VAL	0011MI	VAL	0011MI	VAL
7429-90-5	Aluminum (Al)	5520.		5020.		5990.	J	5940.	J	5590.	J	4970.	J
7440-36-0	Antimony (Sb)	0.2	UJ	0.24	UJ	0.21	UJ	0.21	UJ	0.28	J	0.21	UJ
7440-38-2	Arsenic (As)	1.8		0.4	U	3.3	J	1.9	J	0.74	J	0.36	UJ
7440-39-3	Barium (Ba)	17.5	J	5.	J	65.5	J	29.8	J	29.9	J	18.2	J
7440-41-7	Beryllium (Be)	0.16	U	0.06	U	0.29	UJ	0.17	UJ	0.21	UJ	0.12	UJ
7440-43-9	Cadmium (Cd)	0.03	U	0.04	U	0.15	UJ	0.28	UJ	0.33	UJ	0.03	UJ
7440-70-2	Calcium (Ca)	484.	J	141.	UJ	2070.	J	1250.	J	4050.	J	490.	J
7440-47-3	Chromium (Cr)	8.4		6.2		7.4	J	7.3	J	13.8	J	8.	J
7440-48-4	Cobalt (Co)	0.86	J	0.35	J	2.9	J	1.2	J	1.4	J	0.86	J
7440-50-8	Copper (Cu)	7.3		1.1	J	18.4	J	11.4	J	33.8	J	1.7	J
7439-89-6	Iron (Fe)	3680.		1980.		3690.	J	3350.	J	3990.	J	3820.	J
7439-92-1	Lead (Pb)	77.7	J	7.1	J	163.	J	30.	J	78.	J	4.8	J
7439-95-4	Magnesium (Mg)	282.	J	69.	J	333.	J	374.	J	445.	J	425.	J
7439-96-5	Manganese (Mn)	42.8		13.4		45.3	J	38.	J	64.9	J	30.9	J
7439-97-6	Mercury (Hg)	0.11	U	0.12	U	0.15		0.26		0.11		0.11	U
7440-02-0	Nickel (Ni)	2.5	J	0.5	U	3.4	J	4.1	J	4.8	J	2.1	J
7440-09-7	Potassium (K)	149.	J	52.7	J	160.	J	160.	J	255.	J	307.	J
7782-49-2	Selenium (Se)	0.47	UJ	0.55	UJ	0.78	J	0.77	J	0.62	J	0.49	UJ
7440-22-4	Silver (Ag)	0.05	U	0.06	U	0.06	UJ	0.06	UJ	0.05	UJ	0.06	UJ
7440-23-5	Sodium (Na)	105.	U	125.	U	172.	U	128.	U	154.	U	113.	U
7440-28-0	Thallium (Tl)	0.48	U	0.56	U	0.5	U	0.5	U	0.48	U	0.5	U
7440-62-2	Vanadium (V)	8.7		3.3	J	6.2	J	5.8	J	9.5	J	7.1	J
7440-66-6	Zinc (Zn)	47.8	J	47.6	J	135.	J	58.1	J	109.	J	10.2	J
7440-31-5	Tin (Sn)	2.8	J	1.3	J	2.6	J	2.	J	1.4	J	0.66	UJ
57-12-5	Cyanide (CN)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-META	SAMPLE ID ------>	GDC-S-B027-01		GDC-S-B027-02		GDC-S-B028-01		GDC-S-B028-02		GDC-S-B029-01		GDC-S-B029-02	
	ORIGINAL ID ----->	GRDSB02701		GRDSB02702		GRDSB02801		GRDSB02802		GRDSB02901		GRDSB02902	
	LAB SAMPLE ID --->	705231		705232		705233		705234		704089		704094	
	ID FROM REPORT -->	GRDSB02701		GRDSB02702		GRDSB02801		GRDSB02802		GRDSB02901		GRDSB02902	
	SAMPLE DATE ----->	04/20/95		04/20/95		04/20/95		04/20/95		04/17/95		04/17/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	50013M	VAL	50013M	VAL	50013M	VAL	50013M	VAL	50013M	VAL	50013M	VAL
7429-90-5	Aluminum (Al)	2770.		17300.		2250.		8280.		3630.		3120.	
7440-36-0	Antimony (Sb)	0.2	UJ	0.26	UJ	0.2	UJ	0.22	UJ	0.2	UJ	0.92	J
7440-38-2	Arsenic (As)	0.7	U	4.9	U	22.4		6.4		2.5	U	1.6	U
7440-39-3	Barium (Ba)	6.9	J	24.5	J	10.9	J	22.2	J	93.1	J	17.5	J
7440-41-7	Beryllium (Be)	0.08	U	0.61	J	0.09	U	0.12	U	0.12	U	0.11	U
7440-43-9	Cadmium (Cd)	0.03	U	0.28	J	0.03	U	0.03	U	0.24	J	0.03	U
7440-70-2	Calcium (Ca)	1060.	J	23400.	J	1660.	J	742.	J	34800.	J	1740.	J
7440-47-3	Chromium (Cr)	3.2		34.2		3.1		11.1		6.3		3.5	
7440-48-4	Cobalt (Co)	0.35	J	4.4	J	0.34	J	0.6	J	0.79	J	0.29	J
7440-50-8	Copper (Cu)	1.	U	5.9		3.6		1.7		10.2		4.8	
7439-89-6	Iron (Fe)	1640.		16500.		1640.		6410.		2960.		2160.	
7439-92-1	Lead (Pb)	2.9		20.3		9.9		6.4		17.7		7.9	
7439-95-4	Magnesium (Mg)	160.	J	2480.		143.	J	331.	J	623.		142.	J
7439-96-5	Manganese (Mn)	11.3	J	40.5	J	10.4	J	3.8	J	33.3	J	18.1	J
7439-97-6	Mercury (Hg)	0.11	U	0.19	J	0.13	J	0.12	U	0.11	J	0.11	U
7440-02-0	Nickel (Ni)	0.82	J	7.4	J	0.82	J	1.6	J	1.8	J	0.79	J
7440-09-7	Potassium (K)	86.6	J	1690.	J	118.	J	253.	J	229.	J	75.2	J
7782-49-2	Selenium (Se)	0.59	J	1.2	J	0.46	UJ	0.51	UJ	0.55	J	0.46	UJ
7440-22-4	Silver (Ag)	0.05	U	0.07	U	0.05	U	0.06	U	0.05	U	0.05	U
7440-23-5	Sodium (Na)	108.	J	125.	J	119.	J	113.	J	221.	J	109.	J
7440-28-0	Thallium (Tl)	0.47	U	0.63	U	0.47	U	0.52	U	0.47	U	0.47	U
7440-62-2	Vanadium (V)	3.6	J	35.2		3.8	J	16.9		6.9		4.1	J
7440-66-6	Zinc (Zn)	3.4	J	57.5	J	12.5	J	8.2	J	414.	J	17.4	J
7440-31-5	Tin (Sn)	1.4	U	0.82	U	1.8	U	1.7	U	3.	U	1.6	U
57-12-5	Cyanide (CN)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-META	SAMPLE ID ------->	GDC-S-B030-01		GDC-S-B030-02		GDC-S-B031-01		GDC-S-B031-02		GDC-S-B032-01		GDC-S-B032-02	
	ORIGINAL ID ----->	GRDSB03001		GRDSB03002		GRDSB03101		GRDSB03102		GRDSB03201		GRDSB03202	
	LAB SAMPLE ID --->	704098		704095		704096		704100		702447		702453	
	ID FROM REPORT -->	GRDSB03001		GRDSB03002		GRDSB03101		GRDSB03102		MAC002		MAC003	
	SAMPLE DATE ----->	04/17/95		04/17/95		04/17/95		04/17/95		04/12/95		04/12/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	50013M	VAL	50013M	VAL	50013M	VAL	50013M	VAL	0011MI	VAL	0011MI	VAL
7429-90-5	Aluminum (Al)	3390.		4020.		9720.		1450.		3810.	J	5740.	J
7440-36-0	Antimony (Sb)	0.2	UJ	0.22	J	0.44	J	0.23	UJ	0.2	UJ	0.2	UJ
7440-38-2	Arsenic (As)	2.1	U	31.6		22.3		0.83	U	0.33	UJ	0.36	J
7440-39-3	Barium (Ba)	9.	J	14.9	J	31.6	J	7.6	J	12.8	J	24.5	J
7440-41-7	Beryllium (Be)	0.08	U	0.13	U	0.47	U	0.06	U	0.16	UJ	0.17	UJ
7440-43-9	Cadmium (Cd)	0.03	U	0.13	J	0.52	J	0.04	U	0.03	UJ	0.03	UJ
7440-70-2	Calcium (Ca)	4200.	J	2870.	J	38500.	J	638.	J	12100.	J	8740.	J
7440-47-3	Chromium (Cr)	5.4		5.5		31.8		3.1		5.9	J	6.1	J
7440-48-4	Cobalt (Co)	0.5	J	0.56	J	2.3	J	0.34	J	0.96	J	0.65	UJ
7440-50-8	Copper (Cu)	7.9		15.5		23.9		0.83	U	2.4	J	2.	J
7439-89-6	Iron (Fe)	1750.		2320.		7960.		1390.		2510.	J	2810.	J
7439-92-1	Lead (Pb)	19.		24.8		53.4		2.4		17.2	J	11.7	J
7439-95-4	Magnesium (Mg)	197.	J	180.	J	2390.		137.	J	296.	J	307.	J
7439-96-5	Manganese (Mn)	12.2	J	18.3	J	53.	J	11.9	J	16.8	J	26.	J
7439-97-6	Mercury (Hg)	0.11	J	0.18	J	0.2	J	0.12	U	0.1	U	0.11	U
7440-02-0	Nickel (Ni)	1.5	J	1.8	J	11.6	J	0.68	J	1.3	J	1.7	J
7440-09-7	Potassium (K)	96.8	J	105.	J	775.	J	67.2	J	155.	J	153.	J
7782-49-2	Selenium (Se)	0.46	UJ	0.46	UJ	1.3	J	0.53	UJ	0.46	UJ	0.47	UJ
7440-22-4	Silver (Ag)	0.05	U	0.05	U	0.08	U	0.06	U	0.05	UJ	0.05	UJ
7440-23-5	Sodium (Na)	98.6	J	126.	J	583.	J	133.	J	263.	J	214.	U
7440-28-0	Thallium (Tl)	0.47	U	0.47	U	0.69	U	0.54	U	0.47	U	0.48	U
7440-62-2	Vanadium (V)	4.	J	4.7	J	24.3		2.9	J	5.2	J	5.	J
7440-66-6	Zinc (Zn)	42.	J	86.9	J	73.1	J	4.8	J	11.7	J	9.7	J
7440-31-5	Tin (Sn)	1.2	U	2.8	U	1.5	U	1.6	U	0.7	J	0.64	J
57-12-5	Cyanide (CN)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-META	SAMPLE ID ------->	GDC-S-B033-01		GDC-S-B033-02		GDC-S-B034-01		GDC-S-B034-02		GDC-S-B035-01		GDC-C-B035-02	
	ORIGINAL ID ----->	GRDSB03301		GRDSB03302		GRDSB03401		GRDSB03402		GRDSB03501		GRDSB03502	
	LAB SAMPLE ID --->	702002		702003		702000		702001		702438		702433	
	ID FROM REPORT -->	MAC008		MAC009		MAC006		MAC007		MAC017		GRDSB03502	
	SAMPLE DATE ----->	04/11/95		04/11/95		04/11/95		04/11/95		04/12/95		04/12/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	50009M	VAL	50009M	VAL	50009M	VAL	50009M	VAL	50009M	VAL	50010M	VAL
7429-90-5	Aluminum (Al)	3860.		3950.		3480.		1480.		8660.		9340.	
7440-36-0	Antimony (Sb)	0.26	J	0.2	UJ	0.2	UJ	0.2	UJ	0.21	UJ	0.24	UJ
7440-38-2	Arsenic (As)	0.6	J	0.34	U	0.33	U	0.33	U	10.2		2.2	J
7440-39-3	Barium (Ba)	97.4		9.8	J	9.8	J	3.7	J	23.8		37.9	
7440-41-7	Beryllium (Be)	0.12	U	0.06	U	0.07	U	0.03	U	0.35	U	0.37	U
7440-43-9	Cadmium (Cd)	0.23	U	0.03	U	0.03	U	0.03	U	0.23	U	0.04	U
7440-70-2	Calcium (Ca)	1190.	J	248.	J	497.	J	86.7	U	32400.	J	13400.	J
7440-47-3	Chromium (Cr)	5.3		5.1		2.7		2.		22.8		7.2	
7440-48-4	Cobalt (Co)	0.71	J	0.4	J	0.18	J	0.14	J	1.8	J	0.6	U
7440-50-8	Copper (Cu)	5.8		0.54	UJ	1.5	J	0.26	UJ	16.5		5.5	
7439-89-6	Iron (Fe)	2060.		1570.		1440.		1010.		5800.		3040.	
7439-92-1	Lead (Pb)	202.	J	5.5	J	6.5	J	1.9	J	27.	J	15.4	
7439-95-4	Magnesium (Mg)	205.	J	101.	J	130.	J	62.2	J	1680.		623.	J
7439-96-5	Manganese (Mn)	19.		11.4		15.1		3.2		45.4		35.3	
7439-97-6	Mercury (Hg)	0.1	U	0.11	U	0.1	U	0.1	U	0.22		0.13	U
7440-02-0	Nickel (Ni)	1.2	U	0.85	U	1.	U	0.62	U	7.8		3.1	J
7440-09-7	Potassium (K)	114.	J	70.	J	67.9	J	41.3	J	836.	J	187.	J
7782-49-2	Selenium (Se)	0.46	UJ	0.47	UJ	0.46	UJ	0.46	UJ	0.48	UJ	0.94	J
7440-22-4	Silver (Ag)	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.06	U
7440-23-5	Sodium (Na)	131.	U	108.	U	99.6	U	124.	U	373.	J	206.	U
7440-28-0	Thallium (Tl)	0.47	U	0.48	U	0.47	U	0.47	U	0.49	U	0.57	U
7440-62-2	Vanadium (V)	3.6	J	2.3	J	2.8	J	1.7	J	17.2		4.9	J
7440-66-6	Zinc (Zn)	88.7	J	26.8	J	6.2	J	2.1	J	46.	J	16.9	
7440-31-5	Tin (Sn)	1.3	J	1.1	J	1.4	J	1.	J	0.64	U	0.75	U
57-12-5	Cyanide (CN)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-META	SAMPLE ID ------->	GDC-S-B035-02		GDC-S-B036-01		GDC-S-B036-02		GDC-S-B037-01		GDC-S-B037-02		GDC-S-B038-01	
	ORIGINAL ID ----->	GRDSB03502		GRDSB03601		GRDSB03602		GRDSB03701		GRDSB03702		GDCSB03801	
	LAB SAMPLE ID --->	702439		704097		704099		702441		702445		737129	
	ID FROM REPORT -->	MAC018		GRDSB03601		GRDSB03602		MAC019		MAC020		GDCSB03801	
	SAMPLE DATE ----->	04/12/95		04/17/95		04/17/95		04/12/95		04/12/95		06/29/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	50009M	VAL	50013M	VAL	50013M	VAL	50009M	VAL	50009M	VAL	21521M	VAL
7429-90-5	Aluminum (Al)	8460.		8930.		16600.		4530.		4060.		3100.	
7440-36-0	Antimony (Sb)	0.24	UJ	0.29	J	0.25	UJ	0.21	UJ	0.2	UJ	0.35	J
7440-38-2	Arsenic (As)	1.9		6.6		11.2		2.7		0.34	U	2.3	U
7440-39-3	Barium (Ba)	30.		27.5	J	64.6	J	15.7	J	12.9	J	22.3	
7440-41-7	Beryllium (Be)	0.32	U	0.34	U	0.43	U	0.22	U	0.13	U	0.15	U
7440-43-9	Cadmium (Cd)	0.04	U	0.45	J	0.23	J	0.03	U	0.03	U	0.12	U
7440-70-2	Calcium (Ca)	20700.	J	29700.	J	1590.	J	21600.		537.		85600.	
7440-47-3	Chromium (Cr)	9.4		22.7		31.8		13.2		4.8		5.	
7440-48-4	Cobalt (Co)	0.68	J	1.7	J	4.7	J	0.84	J	0.44	J	1.1	J
7440-50-8	Copper (Cu)	5.3		17.4		1.1	U	6.7		0.72	J	5.4	
7439-89-6	Iron (Fe)	2910.		7720.		36700.		3220.		1360.		2400.	
7439-92-1	Lead (Pb)	13.	J	121.		9.6		40.2	J	3.	J	10.5	
7439-95-4	Magnesium (Mg)	896.		1930.		1070.		1380.		210.	J	1040.	
7439-96-5	Manganese (Mn)	31.6		48.5	J	17.8	J	27.6		8.6		54.8	
7439-97-6	Mercury (Hg)	0.12	U	0.75	J	0.13	U	0.1	U	0.1	U	0.11	U
7440-02-0	Nickel (Ni)	4.1	J	7.4	J	4.6	J	4.3	J	1.3	U	3.3	J
7440-09-7	Potassium (K)	278.	J	752.	J	615.	J	322.	J	109.	J	208.	J
7782-49-2	Selenium (Se)	0.61	J	1.1	J	2.9	J	0.71	J	0.47	UJ	0.49	UJ
7440-22-4	Silver (Ag)	0.06	U	0.06	U	0.07	U	0.05	U	0.05	U	0.06	U
7440-23-5	Sodium (Na)	237.	J	321.	J	107.	J	240.	J	108.	U	283.	J
7440-28-0	Thallium (Tl)	0.57	U	0.52	U	0.93	J	0.49	U	0.48	U	0.5	U
7440-62-2	Vanadium (V)	6.4		19.5		51.2		10.		2.5	J	5.2	J
7440-66-6	Zinc (Zn)	19.3	J	86.2	J	23.4	J	23.7	J	4.6	J	115.	J
7440-31-5	Tin (Sn)	0.74	U	2.5	U	0.79	U	0.9	J	0.86	J	1.7	J
57-12-5	Cyanide (CN)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-META	SAMPLE ID ------>	GDC-S-B038-02		GDC-S-B039-01		GDC-S-B039-02		GDC-S-B040-01		GDC-S-B041-01		GDC-S-B042-01	
	ORIGINAL ID ----->	GDCSB03802		GDCSB03901		GDCSB03902		GDCSB04001		GDCSB04101		GDCSB04201	
	LAB SAMPLE ID --->	737186		737225		737243		737248		736736		736739	
	ID FROM REPORT -->	GDCSB03802		GDCSB03901		GDCSB03902		GDCSB04001		GDCSB04101		GDCSB04201	
	SAMPLE DATE ----->	06/29/95		06/29/95		06/29/95		06/29/95		06/28/95		06/28/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	21521M	VAL	50022M	VAL	50022M	VAL	50022M	VAL	21521M	VAL	21521M	VAL
7429-90-5	Aluminum (Al)	2260.		5220.		6590.		4560.		7230.		5060.	
7440-36-0	Antimony (Sb)	0.2	UJ	0.33	J	0.59	J	0.45	J	0.38	J	0.22	UJ
7440-38-2	Arsenic (As)	0.34	U	2.6		2.7		2.6		5.3		1.6	U
7440-39-3	Barium (Ba)	8.6	J	18.2	J	18.	J	193.		17.7	J	18.4	J
7440-41-7	Beryllium (Be)	0.1	U	0.12	U	0.08	U	0.15	U	0.36	U	0.16	U
7440-43-9	Cadmium (Cd)	0.03	U	0.06	U	0.05	U	0.37	J	0.03	U	0.03	U
7440-70-2	Calcium (Ca)	404.	J	8360.		2600.		48100.		1590.		914.	
7440-47-3	Chromium (Cr)	2.4		7.4		7.3		7.5		17.6		6.8	
7440-48-4	Cobalt (Co)	0.06	U	0.62	J	0.46	J	1.	J	1.2	J	0.45	J
7440-50-8	Copper (Cu)	0.68	U	6.5		3.		18.1		7.		6.8	
7439-89-6	Iron (Fe)	1290.		4330.		4180.		3300.		12000.		2800.	
7439-92-1	Lead (Pb)	2.5		15.2		21.1		25.9		37.9		47.8	
7439-95-4	Magnesium (Mg)	95.1	J	345.	J	247.	J	945.		529.	J	305.	J
7439-96-5	Manganese (Mn)	9.8		25.3		15.2		47.2		101.		26.	
7439-97-6	Mercury (Hg)	0.11	U	0.1	U	0.11	U	0.12		0.19		0.11	U
7440-02-0	Nickel (Ni)	0.75	J	2.6	J	1.9	J	4.4		3.3	J	2.5	J
7440-09-7	Potassium (K)	63.6	J	155.	J	135.	J	276.	J	295.	J	178.	J
7782-49-2	Selenium (Se)	0.46	U	0.37	U	0.63		1.1		0.94		0.51	J
7440-22-4	Silver (Ag)	0.05	U	0.07	U	0.07	U	0.06	U	0.06	U	0.06	U
7440-23-5	Sodium (Na)	189.	U	209.	J	201.	J	360.	J	202.	U	175.	U
7440-28-0	Thallium (Tl)	0.47	U	0.4	U	0.39	U	0.39	U	0.51	U	0.51	U
7440-62-2	Vanadium (V)	2.7	J	9.3		8.7		7.9		25.4		8.3	
7440-66-6	Zinc (Zn)	3.	J	40.		168.		779.		27.1	J	15.3	J
7440-31-5	Tin (Sn)	1.	J	1.4	J	1.5	J	3.4	J	2.1	J	1.6	J
57-12-5	Cyanide (CN)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-META																	
	SAMPLE ID ------>	GDC-S-B043-01		GDC-S-B044-01		GDC-C-B045-01		GDC-G-W001-01		GDC-G-W002-01		GDC-G-W01D-01	
	ORIGINAL ID ----->	GDCSB04301		GDCSB04401		GDCCB04501		GDCGW00101		GRDGW00201		GDCGW01D01	
	LAB SAMPLE ID --->	736745		736788		736420		730822		709211		730830	
	ID FROM REPORT -->	GDCSB04301		GDCSB04401		GDCCB04501		GDCGW00101		GRDGW00201		GDCGW01D01	
	SAMPLE DATE ----->	06/28/95		06/28/95		06/27/95		06/12/95		04/25/95		06/12/95	
	MATRIX ---------->	Soil		Soil		Soil		Water		Water		Water	
	UNITS ---------->	MG/KG		MG/KG		MG/KG		UG/L		UG/L		UG/L	
CAS #	Parameter	21521M	VAL	21521M	VAL	21521M	VAL	1517MI	VAL	50016M	VAL	1517MI	VAL
7429-90-5	Aluminum (Al)	6710.		4570.		6670.		620.		63.9	J	54.3	UJ
7440-36-0	Antimony (Sb)	0.55	J	0.3	J	0.3	J	1.9	U	1.9	U	1.9	U
7440-38-2	Arsenic (As)	3.	U	2.	U	2.8	U	3.2	U	3.2	U	3.2	U
7440-39-3	Barium (Ba)	39.1		22.3		20.3	J	8.4	U	13.4	J	11.9	U
7440-41-7	Beryllium (Be)	0.27	U	0.18	U	0.22	U	0.2	U	0.2	U	0.2	U
7440-43-9	Cadmium (Cd)	0.14	U	0.03	U	0.03	U	0.3	U	0.3	U	0.3	U
7440-70-2	Calcium (Ca)	2810.		1780.		449.	J	35200.		128000.		44800.	
7440-47-3	Chromium (Cr)	17.		6.2		8.		2.1	J	0.9	U	0.9	UJ
7440-48-4	Cobalt (Co)	1.3	J	0.52	J	0.29	J	0.6	U	0.6	U	0.6	U
7440-50-8	Copper (Cu)	15.7		3.9		9.2		2.7	UJ	1.8	U	0.7	UJ
7439-89-6	Iron (Fe)	5650.		3920.		2990.		566.		3480.		587.	
7439-92-1	Lead (Pb)	304.		74.8		40.1		9.1	U	1.9	U	3.6	U
7439-95-4	Magnesium (Mg)	542.	J	259.	J	232.	J	1000.	J	7710.		1420.	J
7439-96-5	Manganese (Mn)	78.2		27.9		25.7		30.4		527.		35.4	
7439-97-6	Mercury (Hg)	0.19		0.13		0.1	U	0.2	U	0.2	U	0.2	U
7440-02-0	Nickel (Ni)	4.8		1.7	J	2.5	J	1.6	J	1.4	U	1.4	U
7440-09-7	Potassium (K)	344.	J	162.	J	108.	J	560.	J	5380.		918.	J
7782-49-2	Selenium (Se)	0.5	J	0.62		0.76		4.4	U	4.4	U	4.4	U
7440-22-4	Silver (Ag)	0.06	J	0.05	U	0.05	U	0.5	U	0.5	U	0.5	U
7440-23-5	Sodium (Na)	214.	U	184.	U	172.	U	3550.	U	9640.		8200.	
7440-28-0	Thallium (Tl)	0.5	U	0.49	U	0.47	U	4.5	U	4.5	UJ	4.5	U
7440-62-2	Vanadium (V)	15.8		8.2		9.3		1.9	J	0.86	U	0.43	J
7440-66-6	Zinc (Zn)	138.	J	23.7	J	17.5	J	13.4	J	5.8	J	3.7	U
7440-31-5	Tin (Sn)	2.6	J	2.	J	1.9	J	56.3	U	5.9	UJ	56.3	U
57-12-5	Cyanide (CN)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

SW846-META

SAMPLE ID ------->	GDC-G-W02D-01
ORIGINAL ID ----->	GDCGW02D01
LAB SAMPLE ID --->	731350
ID FROM REPORT -->	GDCGW02D01
SAMPLE DATE ----->	06/13/95
MATRIX ---------->	Water
UNITS ----------->	UG/L

CAS #	Parameter	1517MI	VAL
7429-90-5	Aluminum (Al)	19.2	U
7440-36-0	Antimony (Sb)	1.9	U
7440-38-2	Arsenic (As)	3.2	U
7440-39-3	Barium (Ba)	38.5	U
7440-41-7	Beryllium (Be)	0.2	U
7440-43-9	Cadmium (Cd)	0.3	U
7440-70-2	Calcium (Ca)	101000.	
7440-47-3	Chromium (Cr)	0.9	UJ
7440-48-4	Cobalt (Co)	0.6	U
7440-50-8	Copper (Cu)	0.7	UJ
7439-89-6	Iron (Fe)	220.	
7439-92-1	Lead (Pb)	2.3	U
7439-95-4	Magnesium (Mg)	13200.	
7439-96-5	Manganese (Mn)	67.5	
7439-97-6	Mercury (Hg)	0.2	U
7440-02-0	Nickel (Ni)	1.4	U
7440-09-7	Potassium (K)	11200.	J
7782-49-2	Selenium (Se)	4.4	U
7440-22-4	Silver (Ag)	0.5	U
7440-23-5	Sodium (Na)	181000.	
7440-28-0	Thallium (Tl)	4.5	U
7440-62-2	Vanadium (V)	0.4	UJ
7440-66-6	Zinc (Zn)	2.8	U
7440-31-5	Tin (Sn)	56.3	U
57-12-5	Cyanide (CN)	NR	

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-OP P												
	SAMPLE ID ------->| 044-C-B007-01		044-H-W004-01		047-C-B004-01		047-C-B009-01		047-H-W005-01		508-C-B006-01	
	ORIGINAL ID ----->| 044CB00701		044HW00401		047CB00401		047CB00901		047HW00501		508CB00601	
	LAB SAMPLE ID --->| 690184		731370		703369		703522		731874		692242 R1	
	ID FROM REPORT -->| 044CB00701		044HW00401		047CB00401		047CB00901		047HW00501		508CB00601	
	SAMPLE DATE ----->| 03/14/95		06/15/95		04/13/95		04/14/95		06/14/95		03/21/95	
	DATE EXTRACTED -->| 03/18/95		06/20/95		04/20/95		04/21/95		06/20/95		04/04/95	
	DATE ANALYZED --->| 03/19/95		06/20/95		04/20/95		04/24/95		06/20/95		04/05/95	
	MATRIX ---------->| Soil		Water		Soil		Soil		Water		Soil	
	UNITS ----------->| UG/KG		UG/L		UG/KG		UG/KG		UG/L		UG/KG	
CAS #	Parameter	0001A	VAL	0018A	VAL	0010A	VAL	0012A	VAL	0018A	VAL	0001A	VAL
298-02-2	Phorate	11.	U	0.5	U	11.	U	11.	U	0.5	U	12.	U
3689-24-5	Sulfotep	11.	U	0.5	U	11.	U	11.	U	0.5	U	12.	U
298-04-4	Disulfoton	11.	U	0.5	U	11.	U	11.	U	0.5	U	12.	U
60-51-5	Dimethoate	13.	U	0.5	U	11.	U	23.	U	0.5	U	12.	U
298-00-0	Methyl parathion	11.	U	0.5	U	11.	U	11.	U	0.5	U	12.	U
56-38-2	Parathion	11.	U	0.5	U	11.	U	11.	U	0.5	U	12.	U
52-85-7	Famphur	11.	U	0.5	U	11.	U	15.	U	0.5	U	12.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-OP P						
SAMPLE ID ------>	510-C-B005-02	511-C-B005-02	512-C-B003-01	513-C-B002-02	515-C-B006-02	517-C-B002-02
ORIGINAL ID ----->	510CB00502	511CB00502	512CB00301	513CB00202	515CB00602	517CB00202
LAB SAMPLE ID --->	690169	692108 R1	690551	702406	704216	698358
ID FROM REPORT -->	510CB00502	511CB00502	512CB00301	513CB00202	515CB00602	517CB00202
SAMPLE DATE ----->	03/14/95	03/21/95	03/15/95	04/12/95	04/18/95	04/04/95
DATE EXTRACTED -->	03/18/95	04/04/95	03/18/95	04/22/95	04/26/95	04/12/95
DATE ANALYZED --->	03/19/95	04/05/95	03/19/95	04/24/95	04/26/95	04/15/95
MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
UNITS ----------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0001A	VAL	0001A	VAL	0001A	VAL	0010A	VAL	0012A	VAL	0004A	VAL
298-02-2	Phorate	11.	U	3.7	J	11.	U	10.	U	11.	U	11.	U
3689-24-5	Sulfotep	11.	U	11.	U	4.5	J	10.	U	2.6	J	11.	U
298-04-4	Disulfoton	11.	U	11.	U	5.2	J	5.5	J	1.6	J	11.	U
60-51-5	Dimethoate	12.	U	11.	U	11.	U	10.	U	11.	U	15.	U
298-00-0	Methyl parathion	4.9	J	11.	U	4.7	J	10.	U	4.2	J	11.	U
56-38-2	Parathion	5.2	J	11.	U	11.	U	10.	U	8.6	J	11.	U
52-85-7	Famphur	11.	U	11.	U	11.	U	10.	U	11.	UJ	11.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-OP P						
SAMPLE ID ------->	518-C-B004-01	518-C-B006-01	519-C-B001-01	520-C-B003-02	523-C-B002-02	523-H-W001-01
ORIGINAL ID ----->	518CB00401	518CB00601	519CB00101	520CB00302	523CB00202	523HW00101
LAB SAMPLE ID --->	699032	736712	706646	701021	698017	732778
ID FROM REPORT -->	518CB00401	518CB00601	519CB00101	520CB00302	523CB00202	523HW00101
SAMPLE DATE ----->	04/05/95	06/28/95	04/22/95	04/07/95	04/03/95	06/15/95
DATE EXTRACTED -->	04/11/95	07/05/95	04/28/95	04/17/95	04/12/95	06/22/95
DATE ANALYZED --->	04/15/95	07/14/95	04/29/95	04/20/95	04/15/95	06/23/95
MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Water
UNITS ----------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/L

CAS #	Parameter	0005A	VAL	0021A	VAL	0015A	VAL	0006A	VAL	0004A	VAL	0018A	VAL
298-02-2	Phorate	11.	U	11.	U	11.	U	10.	U	11.	U	0.5	U
3689-24-5	Sulfotep	11.	U	11.	U	11.	U	10.	U	11.	U	0.15	J
298-04-4	Disulfoton	5.3	J	11.	U	11.	U	10.	U	11.	U	0.5	U
60-51-5	Dimethoate	19.	U	21.	U	13.	UJ	15.	U	14.	U	0.5	U
298-00-0	Methyl parathion	11.	U	27.	U	11.	U	10.	U	11.	U	0.5	U
56-38-2	Parathion	11.	U	11.	U	12.	U	10.	U	11.	U	0.5	U
52-85-7	Famphur	11.	UJ	11.	U	15.	U	10.	U	11.	U	0.5	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-OP P						
SAMPLE ID ------->	GDC-C-B013-01	GDC-C-B017-01	GDC-C-B023-02	GDC-C-B035-02	GDC-C-B045-01	
ORIGINAL ID ----->	GRDCB01301	GRDCB01701	GRDCB02302	GRDCB03502	GDCCB04501	
LAB SAMPLE ID --->	702012	702588	701994	702427	736412	
ID FROM REPORT -->	GRDCB01301	GRDCB01701	GRDCB02302	GRDCB03502	GDCCB04501	
SAMPLE DATE ----->	04/11/95	04/10/95	04/11/95	04/12/95	06/27/95	
DATE EXTRACTED -->	04/20/95	04/22/95	04/20/95	04/22/95	06/30/95	
DATE ANALYZED --->	04/20/95	04/24/95	04/20/95	04/24/95	08/11/95	
MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	
UNITS ----------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	

CAS #	Parameter	0006A	VAL	0010A	VAL	0006A	VAL	0010A	VAL	0021A	VAL	
298-02-2	Phorate	10.	U	11.	U	10.	U	13.	U	11.	U	
3689-24-5	Sulfotep	10.	U	11.	U	10.	U	13.	U	11.	U	
298-04-4	Disulfoton	4.5	J	11.	U	10.	U	13.	U	11.	U	
60-51-5	Dimethoate	10.	U	11.	U	10.	U	13.	U	5.	J	
298-00-0	Methyl parathion	4.2	J	11.	U	10.	U	13.	U	11.	U	
56-38-2	Parathion	10.	U	11.	U	10.	U	13.	U	11.	U	
52-85-7	Famphur	10.	U	11.	U	10.	U	13.	U	11.	U	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-PEST	SAMPLE ID ------->	044-W-0014-01	044-W-0016-01	044-W-0018-01	044-W-0019-01	044-R-0019-01	044-W-0020-01
	ORIGINAL ID ----->	044W001401	044W001601	044W001801	044W001901	044R001901	044W002001
	LAB SAMPLE ID --->	704848	704853	701883	701909	701930	701957
	ID FROM REPORT -->	044W001401	044W001601	044W001801	044W001901	044R001901	044W002001
	SAMPLE DATE ----->	04/19/95	04/19/95	04/11/95	04/11/95	04/11/95	04/11/95
	DATE EXTRACTED -->	04/25/95	04/25/95	04/18/95	04/18/95	04/18/95	04/18/95
	DATE ANALYZED --->	05/08/95	05/08/95	05/14/95	05/14/95	05/14/95	05/14/95
	MATRIX ---------->	Water	Water	Water	Water	Water	Water
	UNITS ---------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	0007P	VAL	0007P	VAL	0007P	VAL	0007P	VAL	0007P	VAL	0007P	VAL
58-89-9	gamma-BHC (Lindane)	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U
76-44-8	Heptachlor	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U
309-00-2	Aldrin	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U
959-98-8	Endosulfan I	0.05	U	0.05	U	0.05	U	0.05	U	0.05	UJ	0.05	U
60-57-1	Dieldrin	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U
33213-65-9	Endosulfan II	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
50-29-3	4,4'-DDT	0.1	U	0.1	U	0.1	U	0.1	U	0.1	UJ	0.1	U
72-43-5	Methoxychlor	0.3	U	0.3	U	0.3	U	0.03	U	0.3	U	0.3	U
319-84-6	alpha-BHC	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U
319-85-7	beta-BHC	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U
319-86-8	delta-BHC	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U
1024-57-3	Heptachlor epoxide	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U
72-55-9	4,4'-DDE	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
72-20-8	Endrin	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
72-54-8	4,4'-DDD	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
7421-93-4	Endrin aldehyde	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U
1031-07-8	Endosulfan sulfate	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
11096-82-5	Aroclor-1260	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
12674-11-2	Aroclor-1016	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
11104-28-2	Aroclor-1221	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
11141-16-5	Aroclor-1232	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
53469-21-9	Aroclor-1242	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
12672-29-6	Aroclor-1248	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
11097-69-1	Aroclor-1254	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
8001-35-2	Toxaphene	1.	U	1.	U	1.	U	1.	U	1.	U	1.	U
57-74-9	Chlordane	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U
53494-70-5	Endrin ketone	NR		NR		NR		NR		NR		NR	
5103-71-9	alpha-Chlordane	NR		NR		NR		NR		NR		NR	
5103-74-2	gamma-Chlordane	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-PEST	SAMPLE ID ------->	044-W-0021-01	044-W-0022-01	044-C-B007-01	044-H-W004-01	044-G-W006-01	047-S-B001-01
	ORIGINAL ID ----->	044W002101	044W002201	044CB00701	044HW00401	044GW00601	047SB00101
	LAB SAMPLE ID --->	701965	704862	690183	731365	709176	697953
	ID FROM REPORT -->	044W002101	044W002201	044CB00701	044HW00401	044GW00601	047SB00101
	SAMPLE DATE ----->	04/11/95	04/19/95	03/14/95	06/13/95	04/25/95	04/03/95
	DATE EXTRACTED -->	04/18/95	04/25/95	03/18/95	06/17/95	05/01/95	04/12/95
	DATE ANALYZED --->	05/14/95	05/08/95	03/31/95	06/27/95	05/17/95	04/26/95
	MATRIX ---------->	Water	Water	Soil	Water	Water	Soil
	UNITS ----------->	UG/L	UG/L	UG/KG	UG/L	UG/L	UG/KG

CAS #	Parameter	0007P	VAL	0007P	VAL	0001P	VAL	0018P	VAL	0016P	VAL	0004P	VAL
58-89-9	gamma-BHC (Lindane)	0.03	U	0.03	U	1.1	U	0.03	U	0.03	U	1.2	U
76-44-8	Heptachlor	0.03	U	0.03	U	3.9	J	0.03	U	0.03	U	1.2	U
309-00-2	Aldrin	0.03	U	0.03	U	1.4	J	0.03	U	0.03	U	1.2	U
959-98-8	Endosulfan I	0.05	U	0.05	U	1.7	U	0.05	U	0.05	U	1.9	U
60-57-1	Dieldrin	0.03	U	0.03	U	1.7	U	0.03	U	0.03	U	1.8	U
33213-65-9	Endosulfan II	0.1	U	0.1	U	4.	U	0.1	U	0.1	U	3.6	J
50-29-3	4,4'-DDT	0.1	U	0.1	U	4.	U	0.1	U	0.1	U	4.1	U
72-43-5	Methoxychlor	0.3	U	0.3	U	4.	U	0.3	U	0.3	U	0.37	J
319-84-6	alpha-BHC	0.03	U	0.03	U	1.1	U	0.03	U	0.03	U	1.2	U
319-85-7	beta-BHC	0.03	U	0.03	U	1.1	U	0.03	U	0.03	U	1.2	U
319-86-8	delta-BHC	0.03	U	0.03	U	1.1	U	0.03	U	0.03	U	1.2	J
1024-57-3	Heptachlor epoxide	0.03	U	0.03	U	1.2		0.03	U	0.03	U	1.2	U
72-55-9	4,4'-DDE	0.1	U	0.1	U	4.	U	0.1	U	0.1	U	4.1	U
72-20-8	Endrin	0.05	U	0.05	U	2.8	U	0.05	U	0.05	U	3.1	U
72-54-8	4,4'-DDD	0.1	U	0.1	U	4.	U	0.1	U	0.1	U	4.1	U
7421-93-4	Endrin aldehyde	0.03	U	0.03	U	15.	J	0.03	U	0.03	U	8.8	J
1031-07-8	Endosulfan sulfate	0.05	U	0.05	U	0.43	J	0.05	U	0.05	U	7.5	J
11096-82-5	Aroclor-1260	0.5	U	0.5	U	23.	U	0.5	U	0.5	U	24.	U
12674-11-2	Aroclor-1016	0.5	U	0.5	U	23.	U	0.5	U	0.5	U	24.	U
11104-28-2	Aroclor-1221	0.5	U	0.5	U	23.	U	0.5	U	0.5	U	24.	U
11141-16-5	Aroclor-1232	0.5	U	0.5	U	23.	U	0.5	U	0.5	U	24.	U
53469-21-9	Aroclor-1242	0.5	U	0.5	U	23.	U	0.5	U	0.5	U	24.	U
12672-29-6	Aroclor-1248	0.5	U	0.5	U	23.	U	0.5	U	0.5	U	24.	U
11097-69-1	Aroclor-1254	0.5	U	0.5	U	23.	U	0.5	U	0.5	U	24.	U
8001-35-2	Toxaphene	1.	U	1.	U	23.	U	1.	U	1.	U	24.	U
57-74-9	Chlordane	0.12	U	0.12	U	2.4	J	0.12	U	0.12	U	4.7	U
53494-70-5	Endrin ketone	NR		NR		NR		NR		NR		NR	
5103-71-9	alpha-Chlordane	NR		NR		NR		NR		NR		NR	
5103-74-2	gamma-Chlordane	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-PEST						
SAMPLE ID ------->	047-S-B001-02	047-S-B002-01	047-S-B003-01	047-S-B003-02	047-S-B004-01	047-C-B004-01
ORIGINAL ID ----->	047SB00102	047SB00201	047SB00301	047SB00302	047SB00401	047CB00401
LAB SAMPLE ID --->	697977	697983	703304	703306	703298	703310
ID FROM REPORT -->	047SB00102	047SB00201	047SB00301	047SB00302	047SB00401	047CB00401
SAMPLE DATE ----->	04/03/95	04/03/95	04/13/95	04/13/95	04/13/95	04/13/95
DATE EXTRACTED -->	04/12/95	04/12/95	04/20/95	04/20/95	04/20/95	04/25/95
DATE ANALYZED --->	04/26/95	04/26/95	05/07/95	05/07/95	05/06/95	05/13/95
MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0004P	VAL	0004P	VAL	0010P	VAL	0010P	VAL	0010P	VAL	0010P	VAL
58-89-9	gamma-BHC (Lindane)	1.3	U	1.1	U	1.3	U	1.3	U	1.1	U	1.1	U
76-44-8	Heptachlor	1.3	U	1.1	U	1.3	U	1.3	U	1.1	U	1.1	U
309-00-2	Aldrin	1.3	U	1.1	U	1.3	U	1.3	U	1.1	U	1.1	U
959-98-8	Endosulfan I	1.9	U	1.7	U	1.9	U	2.	U	1.7	U	1.7	U
60-57-1	Dieldrin	1.9	U	1.7	U	1.9	U	1.9	U	1.7	U	1.7	U
33213-65-9	Endosulfan II	4.5	U	4.3	U	0.28	J	0.1	J	4.	U	3.9	U
50-29-3	4,4'-DDT	4.5	U	4.3	U	4.5	U	4.5	U	4.	U	3.9	U
72-43-5	Methoxychlor	4.5	U	4.3	U	4.5	U	4.5	U	4.	U	3.9	U
319-84-6	alpha-BHC	1.3	U	1.1	U	1.3	U	1.3	U	1.1	U	1.1	U
319-85-7	beta-BHC	1.3	U	1.1	U	1.3	U	1.3	U	1.1	U	1.1	U
319-86-8	delta-BHC	1.3	U	1.5	J	1.3	U	1.3	U	1.1	U	1.1	U
1024-57-3	Heptachlor epoxide	1.3	U	1.9	J	1.3	U	1.3	U	1.1	U	1.1	U
72-55-9	4,4'-DDE	4.5	U	8.	J	4.4	U	4.4	U	4.	U	3.9	U
72-20-8	Endrin	3.2	U	2.8	U	3.1	U	3.3	U	2.9	U	2.8	U
72-54-8	4,4'-DDD	4.5	U	8.2	J	4.4	U	4.4	U	4.	U	3.9	U
7421-93-4	Endrin aldehyde	1.3	U	1.1	U	1.1	J	1.1	U	1.1	U	1.1	U
1031-07-8	Endosulfan sulfate	2.5	U	2.3	U	2.5	U	2.5	U	2.3	U	2.2	U
11096-82-5	Aroclor-1260	26.	U	22.	U	25.	U	26.	U	23.	U	22.	U
12674-11-2	Aroclor-1016	26.	U	22.	U	25.	U	26.	U	23.	U	22.	U
11104-28-2	Aroclor-1221	26.	U	22.	U	25.	U	26.	U	23.	U	22.	U
11141-16-5	Aroclor-1232	26.	U	22.	U	25.	U	26.	U	23.	U	22.	U
53469-21-9	Aroclor-1242	26.	U	22.	U	25.	U	26.	U	23.	U	22.	U
12672-29-6	Aroclor-1248	26.	U	22.	U	25.	U	26.	U	23.	U	22.	U
11097-69-1	Aroclor-1254	26.	U	22.	U	25.	U	26.	U	23.	U	22.	U
8001-35-2	Toxaphene	26.	U	22.	U	25.	U	26.	U	23.	U	22.	U
57-74-9	Chlordane	5.2	U	4.4	U	5.	U	5.2	U	4.6	U	4.4	U
53494-70-5	Endrin ketone	NR		NR		NR		NR		NR		NR	
5103-71-9	alpha-Chlordane	NR		NR		NR		NR		NR		NR	
5103-74-2	gamma-Chlordane	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-PEST													
	SAMPLE ID ------>	047-S-B004-02		047-S-B005-01		047-S-B005-02		047-S-B006-01		047-S-B007-01		047-S-B007-02	
	ORIGINAL ID ----->	047SB00402		047SB00501		047SB00502		047SB00601		047SB00701		047SB00702	
	LAB SAMPLE ID --->	703299		697010		697016		697022		703492		703498	
	ID FROM REPORT -->	047SB00402		047SB00501		047SB00502		047SB00601		047SB00701		047SB00702	
	SAMPLE DATE ----->	04/13/95		03/31/95		03/31/95		03/31/95		04/13/95		04/14/95	
	DATE EXTRACTED -->	04/25/95		04/10/95		04/10/95		04/10/95		04/25/95		04/25/95	
	DATE ANALYZED --->	05/12/95		04/20/95		04/20/95		04/20/95		05/13/95		05/13/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0010P	VAL	0003P	VAL	0003P	VAL	0003P	VAL	0012P	VAL	0012P	VAL
58-89-9	gamma-BHC (Lindane)	1.2	U	1.1	U	1.2	U	1.	U	0.13	J	1.4	UR
76-44-8	Heptachlor	1.2	U	1.	J	1.2	U	1.	U	0.27	J	9.3	J
309-00-2	Aldrin	1.2	U	1.1	U	1.2	U	1.	U	0.31	J	1.4	R
959-98-8	Endosulfan I	1.8	U	1.7	U	1.8	U	1.6	U	0.84	J	1.5	J
60-57-1	Dieldrin	1.8	U	1.6	J	1.8	U	1.7	U	1.6	U	1.9	UR
33213-65-9	Endosulfan II	4.2	U	3.7	U	4.3	U	3.8	U	1.6	U	4.8	UR
50-29-3	4,4'-DDT	4.2	U	46.	J	4.3	U	3.8	U	1.6	J	0.56	J
72-43-5	Methoxychlor	4.2	U	3.9	U	4.3	U	9.2		4.6	U	30.	J
319-84-6	alpha-BHC	1.2	U	1.1	U	1.2	U	1.	U	0.13	J	1.4	UR
319-85-7	beta-BHC	1.2	U	64.	J	1.2	U	1.	U	8.5		40.	J
319-86-8	delta-BHC	1.2	U	1.1	U	1.2	U	1.	U	0.46	J	1.4	UR
1024-57-3	Heptachlor epoxide	1.2	U	5.5	J	1.2	U	1.	U	0.17	J	1.1	J
72-55-9	4,4'-DDE	4.2	U	67.	J	4.3	U	3.8	U	4.		4.6	UR
72-20-8	Endrin	3.	U	2.8	U	3.	U	2.8	U	2.8	U	0.52	J
72-54-8	4,4'-DDD	4.2	U	7.7	J	4.3	U	3.8	U	4.	U	0.58	J
7421-93-4	Endrin aldehyde	1.2	U	1.9	J	4.5	J	1.	U	0.34	J	1.4	J
1031-07-8	Endosulfan sulfate	2.4	U	2.3	U	2.4	U	2.1	U	3.1	U	2.8	UR
11096-82-5	Aroclor-1260	24.	U	21.	U	24.	U	21.	U	23.	U	27.	UR
12674-11-2	Aroclor-1016	24.	U	21.	U	24.	U	21.	U	23.	U	27.	UR
11104-28-2	Aroclor-1221	24.	U	21.	U	24.	U	21.	U	23.	U	27.	UR
11141-16-5	Aroclor-1232	24.	U	21.	U	24.	U	21.	U	23.	U	27.	UR
53469-21-9	Aroclor-1242	24.	U	21.	U	24.	U	21.	U	23.	U	27.	UR
12672-29-6	Aroclor-1248	24.	U	21.	U	24.	U	21.	U	23.	U	27.	UR
11097-69-1	Aroclor-1254	24.	U	21.	U	24.	U	21.	U	23.	U	27.	UR
8001-35-2	Toxaphene	24.	U	21.	U	24.	U	21.	U	23.	U	27.	UR
57-74-9	Chlordane	4.8	U	4.3	U	4.9	U	4.2	U	4.5	U	5.5	UR
53494-70-5	Endrin ketone	NR		NR		NR		NR		NR		NR	
5103-71-9	alpha-Chlordane	NR		NR		NR		NR		NR		NR	
5103-74-2	gamma-Chlordane	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-PEST													
	SAMPLE ID ------->	047-S-B008-01		047-S-B008-02		047-S-B009-01		047-C-B009-01		047-S-B009-02		047-S-B010-01	
	ORIGINAL ID ----->	047SB00801		047SB00802		047SB00901		047CB00901		047SB00902		047SB01001	
	LAB SAMPLE ID --->	703307		703311 D50		703445 D50		703521		703467		703486	
	ID FROM REPORT -->	047SB00801		047SB00802		047SB00901		047CB00901		047SB00902		047SB01001	
	SAMPLE DATE ----->	04/13/95		04/13/95		04/14/95		04/14/95		04/14/95		04/14/95	
	DATE EXTRACTED -->	04/20/95		04/25/95		04/25/95		04/25/95		04/25/95		04/25/95	
	DATE ANALYZED --->	05/07/95		05/12/95		05/12/95		05/13/95		05/13/95		05/13/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0010P	VAL	0010P	VAL	0012P	VAL	0012P	VAL	0012P	VAL	0012P	VAL
58-89-9	gamma-BHC (Lindane)	1.1	U	8.	U	5.7	U	1.1	UR	1.5	U	1.3	U
76-44-8	Heptachlor	1.1	U	8.	U	5.7	U	1.1	UR	1.5	U	1.3	U
309-00-2	Aldrin	1.1	U	8.	U	5.7	U	1.1	UR	0.26	J	0.14	J
959-98-8	Endosulfan I	1.7	U	12.	U	8.5	U	1.6	J	2.2	U	1.9	U
60-57-1	Dieldrin	1.7	U	12.	U	8.5	U	1.6	UR	2.2	U	1.9	U
33213-65-9	Endosulfan II	4.	U	28.	U	20.	U	1.6	UR	5.1	U	4.4	U
50-29-3	4,4'-DDT	11.		28.	U	20.	U	3.7	J	0.43	J	4.4	U
72-43-5	Methoxychlor	4.	U	28.	U	17.	J	6.1	J	5.1	U	4.4	U
319-84-6	alpha-BHC	1.1	U	8.	U	5.7	U	1.1	UR	1.5	U	0.51	J
319-85-7	beta-BHC	1.1	U	8.	U	5.7	U	9.6	J	18.		0.37	J
319-86-8	delta-BHC	1.1	U	8.	U	5.7	U	1.1	UR	0.32	J	1.3	U
1024-57-3	Heptachlor epoxide	1.1	U	8.	U	1.6	J	0.13	J	0.34	J	0.19	J
72-55-9	4,4'-DDE	27.		28.	U	40.		28.	J	1.3	J	4.4	U
72-20-8	Endrin	2.8	U	20.	U	14.	U	0.64	J	0.34	J	3.2	U
72-54-8	4,4'-DDD	4.	U	28.	U	20.	U	3.8	UR	0.63	J	4.4	U
7421-93-4	Endrin aldehyde	1.1	U	8.	U	5.7	U	1.1	UR	1.5	U	1.3	U
1031-07-8	Endosulfan sulfate	2.3	U	16.	U	11.	U	2.5	J	2.9	U	1.9	U
11096-82-5	Aroclor-1260	22.	U	160.	U	110.	U	22.	UR	29.	U	25.	U
12674-11-2	Aroclor-1016	22.	U	160.	U	110.	U	22.	UR	29.	U	25.	U
11104-28-2	Aroclor-1221	22.	U	160.	U	110.	U	22.	UR	29.	U	25.	U
11141-16-5	Aroclor-1232	22.	U	160.	U	110.	U	22.	UR	29.	U	25.	U
53469-21-9	Aroclor-1242	22.	U	160.	U	110.	U	22.	UR	29.	U	25.	U
12672-29-6	Aroclor-1248	22.	U	160.	U	110.	U	22.	UR	29.	U	25.	U
11097-69-1	Aroclor-1254	22.	U	160.	U	110.	U	22.	UR	29.	U	25.	U
8001-35-2	Toxaphene	22.	U	160.	U	110.	U	22.	UR	29.	U	25.	U
57-74-9	Chlordane	4.4	U	32.	U	23.	U	4.4	UR	5.9	U	5.1	U
53494-70-5	Endrin ketone	NR		NR		NR		NR		NR		NR	
5103-71-9	alpha-Chlordane	NR		NR		NR		NR		NR		NR	
5103-74-2	gamma-Chlordane	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-PEST						
SAMPLE ID ------->	047-S-B011-01	047-S-B011-02	047-S-B012-01	047-S-B012-02	047-S-B013-01	047-S-B013-02
ORIGINAL ID ----->	047SB01101	047SB01102	047SB01201	047SB01202	047SB01301	047SB01302
LAB SAMPLE ID --->	703301	703300	703302	703303	703308	703309
ID FROM REPORT -->	047SB01101	047SB01102	047SB01201	047SB01202	047SB01301	047SB01302
SAMPLE DATE ----->	04/13/95	04/13/95	04/13/95	04/13/95	04/13/95	04/13/95
DATE EXTRACTED -->	04/20/95	04/20/95	04/20/95	04/20/95	04/20/95	04/25/95
DATE ANALYZED --->	05/06/95	05/06/95	05/07/95	05/07/95	05/07/95	05/12/95
MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
UNITS ----------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0010P	VAL	0010P	VAL	0010P	VAL	0010P	VAL	0010P	VAL	0010P	VAL
58-89-9	gamma-BHC (Lindane)	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.2	U
76-44-8	Heptachlor	1.1	U	1.1	U	1.9		1.1	U	1.1	U	1.2	U
309-00-2	Aldrin	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.2	U
959-98-8	Endosulfan I	4.1	J	1.7	U	1.7	U	1.6	U	1.6	U	1.7	U
60-57-1	Dieldrin	1.7	U	1.6	U	1.6	U	1.6	U	1.6	U	1.7	U
33213-65-9	Endosulfan II	3.7	U	3.7	U	3.7	U	3.7	U	3.7	U	4.1	U
50-29-3	4,4'-DDT	3.7	U	3.7	U	3.7	U	3.7	U	3.7	U	4.1	U
72-43-5	Methoxychlor	44.	J	3.7	U	37.		3.7	U	3.7	U	4.1	U
319-84-6	alpha-BHC	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.2	U
319-85-7	beta-BHC	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.2	U
319-86-8	delta-BHC	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.2	U
1024-57-3	Heptachlor epoxide	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.2	U
72-55-9	4,4'-DDE	3.7	U	3.7	U	3.7	U	3.7	U	3.7	U	4.1	U
72-20-8	Endrin	2.8	U	2.7	U	2.7	U	2.7	U	2.7	U	2.9	U
72-54-8	4,4'-DDD	0.4	J	3.7	U	3.7	U	3.7	U	3.7	U	4.1	U
7421-93-4	Endrin aldehyde	3.7	U	1.1	U	1.1	U	1.1	U	1.1	U	1.2	U
1031-07-8	Endosulfan sulfate	2.1	U	2.1	U	2.1	U	2.1	U	2.1	U	2.2	U
11096-82-5	Aroclor-1260	21.	U	21.	U	21.	U	22.	U	21.	U	23.	U
12674-11-2	Aroclor-1016	21.	U	21.	U	21.	U	22.	U	21.	U	23.	U
11104-28-2	Aroclor-1221	21.	U	21.	U	21.	U	22.	U	21.	U	23.	U
11141-16-5	Aroclor-1232	21.	U	21.	U	21.	U	22.	U	21.	U	23.	U
53469-21-9	Aroclor-1242	21.	U	21.	U	21.	U	22.	U	21.	U	23.	U
12672-29-6	Aroclor-1248	21.	U	21.	U	21.	U	22.	U	21.	U	23.	U
11097-69-1	Aroclor-1254	21.	U	21.	U	21.	U	22.	U	21.	U	23.	U
8001-35-2	Toxaphene	21.	U	21.	U	21.	U	22.	U	21.	U	23.	U
57-74-9	Chlordane	4.2	U	4.2	U	4.2	U	4.3	U	4.3	U	4.7	U
53494-70-5	Endrin ketone	NR		NR		NR		NR		NR		NR	
5103-71-9	alpha-Chlordane	NR		NR		NR		NR		NR		NR	
5103-74-2	gamma-Chlordane	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-PEST													
	SAMPLE ID ------->	047-S-B015-01		047-S-B015-02		047-G-W001-01		047-G-W002-01		047-G-W003-01		047-G-W004-01	
	ORIGINAL ID ----->	047SB01501		047SB01502		047GW00101		047GW00201		047GW00301		047GW00401	
	LAB SAMPLE ID --->	703296		703297		731749		731764		731724		733199	
	ID FROM REPORT -->	047SB01501		047SB01502		047GW00101		047GW00201		047GW00301		047GW00401	
	SAMPLE DATE ----->	04/13/95		04/13/95		06/13/95		06/13/95		06/13/95		06/15/95	
	DATE EXTRACTED -->	04/20/95		04/20/95		06/20/95		06/20/95		06/20/95		06/22/95	
	DATE ANALYZED --->	05/06/95		05/06/95		06/27/95		06/27/95		06/27/95		06/27/95	
	MATRIX ---------->	Soil		Soil		Water		Water		Water		Water	
	UNITS ----------->	UG/KG		UG/KG		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	0010P	VAL	0010P	VAL	0017P	VAL	0017P	VAL	0017P	VAL	0018P	VAL
58-89-9	gamma-BHC (Lindane)	1.	U	1.3	U	0.03	U	0.03	UJ	0.03	U	0.03	U
76-44-8	Heptachlor	1.	U	1.3	U	0.03	U	0.03	UJ	0.03	UR	0.03	U
309-00-2	Aldrin	1.	U	1.3	U	0.03	U	0.03	UJ	0.03	UR	0.03	U
959-98-8	Endosulfan I	1.6	U	1.9	U	0.05	U	0.05	UJ	0.05	U	0.05	U
60-57-1	Dieldrin	1.6	U	1.9	U	0.03	U	0.03	UJ	0.03	U	0.03	U
33213-65-9	Endosulfan II	3.7	U	4.5	U	0.1	U	0.1	UJ	0.1	U	0.1	U
50-29-3	4,4'-DDT	3.7	U	4.5	U	0.1	U	0.1	UJ	0.1	UR	0.1	U
72-43-5	Methoxychlor	3.7	U	4.5	U	0.3	U	0.3	UJ	0.3	U	0.3	U
319-84-6	alpha-BHC	1.	U	1.3	U	0.03	U	0.03	UJ	0.03	U	0.03	U
319-85-7	beta-BHC	1.	U	1.3	U	0.03	U	0.03	UJ	0.03	U	0.03	U
319-86-8	delta-BHC	1.	U	1.3	U	0.03	U	0.03	UJ	0.03	U	0.03	U
1024-57-3	Heptachlor epoxide	1.	U	1.3	U	0.03	U	0.03	UJ	0.03	U	0.03	U
72-55-9	4,4'-DDE	3.7	U	4.5	U	0.1	U	0.1	UJ	0.1	U	0.1	U
72-20-8	Endrin	2.6	U	3.2	U	0.05	U	0.05	UJ	0.05	U	0.05	U
72-54-8	4,4'-DDD	3.7	U	4.5	U	0.1	U	0.1	UJ	0.1	U	0.1	U
7421-93-4	Endrin aldehyde	1.	U	1.3	U	0.03	U	0.03	UJ	0.03	U	0.03	U
1031-07-8	Endosulfan sulfate	2.	U	2.4	U	0.05	U	0.05	UJ	0.05	U	0.05	U
11096-82-5	Aroclor-1260	21.	U	26.	U	0.5	U	0.5	UJ	0.5	U	0.5	U
12674-11-2	Aroclor-1016	21.	U	26.	U	0.5	U	0.5	UJ	0.5	U	0.5	U
11104-28-2	Aroclor-1221	21.	U	26.	U	0.5	U	0.5	UJ	0.5	U	0.5	U
11141-16-5	Aroclor-1232	21.	U	26.	U	0.5	U	0.5	UJ	0.5	U	0.5	U
53469-21-9	Aroclor-1242	21.	U	26.	U	0.5	U	0.5	UJ	0.5	U	0.5	U
12672-29-6	Aroclor-1248	21.	U	26.	U	0.5	U	0.5	UJ	0.5	U	0.5	U
11097-69-1	Aroclor-1254	21.	U	26.	U	0.5	U	0.5	UJ	0.5	U	0.5	U
8001-35-2	Toxaphene	21.	U	26.	U	1.	U	1.	UJ	1.	U	1.	U
57-74-9	Chlordane	4.2	U	5.1	U	0.12	U	0.12	UJ	0.12	U	0.12	U
53494-70-5	Endrin ketone	NR		NR		NR		NR		NR		NR	
5103-71-9	alpha-Chlordane	NR		NR		NR		NR		NR		NR	
5103-74-2	gamma-Chlordane	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-PEST							
SAMPLE ID ------->	047-G-W005-01	047-H-W005-01	047-G-W006-01	047-G-W007-01	047-G-W008-01	047-G-W009-01
ORIGINAL ID ----->	047GW00501	047HW00501	047GW00601	047GW00701	047GW00801	047GW00901
LAB SAMPLE ID --->	731836	731862	732739	731695	732677	732690
ID FROM REPORT -->	047GW00501	047HW00501	047GW00601	047GW00701	047GW00801	047GW00901
SAMPLE DATE ----->	06/13/95	06/14/95	06/15/95	06/13/95	06/13/95	06/13/95
DATE EXTRACTED -->	06/20/95	06/17/95	06/21/95	06/20/95	06/20/95	06/20/95
DATE ANALYZED --->	06/27/95	06/27/95	06/27/95	06/27/95	06/27/95	06/27/95
MATRIX ---------->	Water	Water	Water	Water	Water	Water
UNITS ----------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	0017P	VAL	0018P	VAL	0018P	VAL	0017P	VAL	0017P	VAL	0017P	VAL
58-89-9	gamma-BHC (Lindane)	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U
76-44-8	Heptachlor	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U
309-00-2	Aldrin	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U
959-98-8	Endosulfan I	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
60-57-1	Dieldrin	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U
33213-65-9	Endosulfan II	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
50-29-3	4,4'-DDT	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
72-43-5	Methoxychlor	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
319-84-6	alpha-BHC	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U
319-85-7	beta-BHC	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U
319-86-8	delta-BHC	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U
1024-57-3	Heptachlor epoxide	0.03	U	0.03	U	0.035		0.03	U	0.03	U	0.03	U
72-55-9	4,4'-DDE	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
72-20-8	Endrin	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
72-54-8	4,4'-DDD	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
7421-93-4	Endrin aldehyde	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U
1031-07-8	Endosulfan sulfate	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
11096-82-5	Aroclor-1260	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
12674-11-2	Aroclor-1016	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
11104-28-2	Aroclor-1221	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
11141-16-5	Aroclor-1232	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
53469-21-9	Aroclor-1242	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
12672-29-6	Aroclor-1248	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
11097-69-1	Aroclor-1254	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
8001-35-2	Toxaphene	1.	U	1.	U	1.	U	1.	U	1.	U	1.	U
57-74-9	Chlordane	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U
53494-70-5	Endrin ketone	NR		NR		NR		NR		NR		NR	
5103-71-9	alpha-Chlordane	NR		NR		NR		NR		NR		NR	
5103-74-2	gamma-Chlordane	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-PEST						
SAMPLE ID ------->	047-G-W010-01	047-G-W011-01	047-G-W012-01	047-G-W013-01	047-G-W015-01	508-S-B001-01
ORIGINAL ID ----->	047GW01001	047GW01101	047GW01201	047GW01301	047GW01501	508SB00101
LAB SAMPLE ID --->	731680	732710	732665	731742	732657	692018 D50
ID FROM REPORT -->	047GW01001	047GW01101	047GW01201	047GW01301	047GW01501	508SB00101
SAMPLE DATE ----->	06/13/95	06/15/95	06/13/95	06/13/95	06/13/95	03/21/95
DATE EXTRACTED -->	06/20/95	06/21/95	06/20/95	06/20/95	06/20/95	03/24/95
DATE ANALYZED --->	06/27/95	06/27/95	06/27/95	06/27/95	06/27/95	03/31/95
MATRIX ---------->	Water	Water	Water	Water	Water	Soil
UNITS ----------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/KG

CAS #	Parameter	0017P	VAL	0018P	VAL	0017P	VAL	0017P	VAL	0017P	VAL	0002P	VAL
58-89-9	gamma-BHC (Lindane)	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	5.4	U
76-44-8	Heptachlor	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	5.4	U
309-00-2	Aldrin	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	5.4	U
959-98-8	Endosulfan I	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	8.2	U
60-57-1	Dieldrin	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	8.2	U
33213-65-9	Endosulfan II	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	19.	U
50-29-3	4,4'-DDT	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	57.	J
72-43-5	Methoxychlor	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	19.	U
319-84-6	alpha-BHC	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	5.4	U
319-85-7	beta-BHC	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	5.4	U
319-86-8	delta-BHC	0.03	U	0.03	U	0.03	U	0.05	U	0.03	U	5.4	U
1024-57-3	Heptachlor epoxide	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	8.	J
72-55-9	4,4'-DDE	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	19.	U
72-20-8	Endrin	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	18.	U
72-54-8	4,4'-DDD	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	23.	
7421-93-4	Endrin aldehyde	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	5.4	U
1031-07-8	Endosulfan sulfate	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	11.2	U
11096-82-5	Aroclor-1260	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	110.	U
12674-11-2	Aroclor-1016	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	110.	U
11104-28-2	Aroclor-1221	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	110.	U
11141-16-5	Aroclor-1232	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	110.	U
53469-21-9	Aroclor-1242	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	110.	U
12672-29-6	Aroclor-1248	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	110.	U
11097-69-1	Aroclor-1254	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	110.	U
8001-35-2	Toxaphene	1.	U	1.	U	1.	U	1.	U	1.	U	110.	U
57-74-9	Chlordane	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	450.	
53494-70-5	Endrin ketone	NR		NR		NR		NR		NR		NR	
5103-71-9	alpha-Chlordane	NR		NR		NR		NR		NR		NR	
5103-74-2	gamma-Chlordane	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-PEST													
	SAMPLE ID ------>	508-S-B002-01		508-S-B003-01		508-S-B004-01		508-S-B004-02		508-S-B005-01		508-S-B006-01	
	ORIGINAL ID ----->	508SB00201		508SB00301		508SB00401		508SB00402		508SB00501		508SB00601	
	LAB SAMPLE ID --->	692031		692025 D11		692062		692048		692012		692038	
	ID FROM REPORT -->	508SB00201		508SB00301		508SB00401		508SB00402		508SB00501		508SB00601	
	SAMPLE DATE ----->	03/21/95		03/21/95		03/21/95		03/21/95		03/21/95		03/21/95	
	DATE EXTRACTED -->	03/24/95		03/24/95		03/24/95		03/24/95		03/24/95		03/24/95	
	DATE ANALYZED --->	03/31/95		03/31/95		03/31/95		03/31/95		03/31/95		03/31/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0002P	VAL	0002P	VAL	0002P	VAL	0002P	VAL	0002P	VAL	0002P	VAL
58-89-9	gamma-BHC (Lindane)	1.1	U	12.	U	1.1	U	1.	U	1.1	U	1.2	U
76-44-8	Heptachlor	1.1	U	12.	U	1.1	U	1.	U	1.1	U	1.7	J
309-00-2	Aldrin	1.	J	12.	U	1.1	U	1.	U	1.1	U	3.3	J
959-98-8	Endosulfan I	1.6	U	17.	U	3.6	J	1.6	U	3.8	J	6.7	J
60-57-1	Dieldrin	6.6	J	29.	J	1.5	J	1.6	U	4.1	J	5.1	J
33213-65-9	Endosulfan II	11.		40.	U	4.4	J	3.7	U	6.4	J	7.2	J
50-29-3	4,4'-DDT	130.		2700.		56.		3.7	U	220.		370.	
72-43-5	Methoxychlor	6.8	J	94.	J	8.4	J	3.7	U	3.7	U	79.	J
319-84-6	alpha-BHC	1.1	U	12.	U	1.1	U	1.	U	1.1	U	1.2	U
319-85-7	beta-BHC	6.	J	12.	U	2.1	J	1.	U	1.1	U	1.8	J
319-86-8	delta-BHC	1.1	U	12.	U	7.9	J	1.	U	9.4		34.	J
1024-57-3	Heptachlor epoxide	45.	J	12.	U	16.	J	1.	U	1.3	J	41.	J
72-55-9	4,4'-DDE	250.		1200.		73.		3.7	U	230.		360.	
72-20-8	Endrin	22.		55.	J	11.	J	2.6	U	2.7	U	18.	J
72-54-8	4,4'-DDD	55.	J	350.	J	3.7	U	3.7	U	6.9	J	35.	J
7421-93-4	Endrin aldehyde	1.5	J	12.	U	1.7	J	1.	U	3.4	J	1.2	U
1031-07-8	Endosulfan sulfate	2.1	U	24.	U	2.1	U	2.1	U	2.1	U	3.1	J
11096-82-5	Aroclor-1260	22.	U	230.	U	21.	U	21.	U	21.	U	24.	U
12674-11-2	Aroclor-1016	22.	U	230.	U	21.	U	21.	U	21.	U	24.	U
11104-28-2	Aroclor-1221	22.	U	230.	U	21.	U	21.	U	21.	U	24.	U
11141-16-5	Aroclor-1232	22.	U	230.	U	21.	U	21.	U	21.	U	24.	U
53469-21-9	Aroclor-1242	22.	U	230.	U	21.	U	21.	U	21.	U	24.	U
12672-29-6	Aroclor-1248	22.	U	230.	U	21.	U	21.	U	21.	U	24.	U
11097-69-1	Aroclor-1254	22.	U	230.	U	21.	U	21.	U	21.	U	24.	U
8001-35-2	Toxaphene	22.	U	230.	U	21.	U	21.	U	21.	U	24.	U
57-74-9	Chlordane	42.		140.		4.3	U	4.2	U	4.2	U	4.8	U
53494-70-5	Endrin ketone	NR		NR		NR		NR		NR		NR	
5103-71-9	alpha-Chlordane	NR		NR		NR		NR		NR		NR	
5103-74-2	gamma-Chlordane	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-PEST	SAMPLE ID ------->	508-C-B006-01	508-S-B007-01	508-S-B008-01	508-S-B009-01	510-S-B001-01	510-S-B001-02
	ORIGINAL ID ----->	508CB00601	508SB00701	508SB00801	508SB00901	510SB00101	510SB00102
	LAB SAMPLE ID --->	692241 D50	736393 R1D50	736398 R1D50	736401 R1	690158	690163
	ID FROM REPORT -->	508CB00601	508SB00701	508SB00801	508SB00901	510SB00101	510SB00102
	SAMPLE DATE ----->	03/21/95	06/27/95	06/27/95	06/27/95	03/14/95	03/14/95
	DATE EXTRACTED -->	03/26/95	06/30/95	06/30/95	06/30/95	03/18/95	03/18/95
	DATE ANALYZED --->	03/28/95	08/03/95	08/03/95	08/03/95	03/31/95	03/31/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0003P	VAL	0021P	VAL	0021P	VAL	0021P	VAL	0001P	VAL	0001P	VAL
58-89-9	gamma-BHC (Lindane)	6.1	U	2.6	UJ	2.7	U	0.53	U	1.1	U	1.1	U
76-44-8	Heptachlor	6.1	U	2.6	U	2.7	U	0.53	U	1.1	U	1.1	U
309-00-2	Aldrin	6.1	U	2.6	U	2.7	U	0.53	U	1.1	U	1.1	U
959-98-8	Endosulfan I	9.2	U	0.98	J	4.	U	0.8	U	1.6	U	1.6	U
60-57-1	Dieldrin	9.2	U	0.72	J	18.		1.2		1.6	U	1.6	U
33213-65-9	Endosulfan II	2.3	J	9.	U	8.1	J	1.9	U	3.7	U	3.7	U
50-29-3	4,4'-DDT	380.	J	17.		960.		95.		3.7	U	3.7	U
72-43-5	Methoxychlor	2.1	U	9.	U	2.8	J	1.1	J	3.7	U	3.7	U
319-84-6	alpha-BHC	6.1	U	2.6	U	2.7	U	0.53	U	1.1	U	1.1	U
319-85-7	beta-BHC	6.1	U	2.6	U	2.7	U	0.53	U	4.1	J	1.1	U
319-86-8	delta-BHC	6.1	U	3.2		2.7	U	0.53	U	1.1	U	1.1	U
1024-57-3	Heptachlor epoxide	6.1	U	0.73	J	2.6	J	0.24	J	2.1	J	1.1	U
72-55-9	4,4'-DDE	330.	J	24.		680.		140.		110.		4.	
72-20-8	Endrin	15.	U	9.9		10.		0.24	J	2.7	U	2.7	U
72-54-8	4,4'-DDD	51.	J	1.8	J	68.		8.6		3.7	U	3.7	U
7421-93-4	Endrin aldehyde	6.1	U	2.6	U	0.54	J	0.53	U	2.1	J	1.1	U
1031-07-8	Endosulfan sulfate	10.	J	4.7	J	2.6	J	0.53	U	3.6	J	2.1	U
11096-82-5	Aroclor-1260	120.	U	51.	U	54.	U	11.	U	21.	U	21.	U
12674-11-2	Aroclor-1016	120.	U	51.	U	54.	U	11.	U	21.	U	21.	U
11104-28-2	Aroclor-1221	120.	U	51.	U	54.	U	11.	U	21.	U	21.	U
11141-16-5	Aroclor-1232	120.	U	51.	U	54.	U	11.	U	21.	U	21.	U
53469-21-9	Aroclor-1242	120.	U	51.	U	54.	U	11.	U	21.	U	21.	U
12672-29-6	Aroclor-1248	120.	U	51.	U	54.	U	11.	U	21.	U	21.	U
11097-69-1	Aroclor-1254	120.	U	51.	U	54.	U	11.	U	21.	U	21.	U
8001-35-2	Toxaphene	120.	U	51.	U	54.	U	11.	U	21.	U	21.	U
57-74-9	Chlordane	24.	U	110.		520.		78.		2.	J	4.2	U
53494-70-5	Endrin ketone	NR		NR		NR		NR		NR		NR	
5103-71-9	alpha-Chlordane	NR		NR		NR		NR		NR		NR	
5103-74-2	gamma-Chlordane	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-PEST																					
	SAMPLE ID ------>	510-S-B002-01				510-S-B002-02				510-S-B003-01				510-S-B003-02				510-S-B004-01				510-S-B005-01			
	ORIGINAL ID ----->	510SB00201				510SB00202				510SB00301				510SB00302				510SB00401				510SB00501			
	LAB SAMPLE ID --->	690192				690153				704422				704445				704400				690142			
	ID FROM REPORT -->	510SB00201				510SB00202				510SB00301				510SB00302				510SB00401				510SB00501			
	SAMPLE DATE ----->	03/14/95				03/14/95				04/18/95				04/18/95				04/18/95				03/14/95			
	DATE EXTRACTED -->	03/18/95				03/18/95				04/25/95				04/25/95				04/25/95				03/18/95			
	DATE ANALYZED --->	03/31/95				03/21/95				05/23/95				05/13/95				05/13/95				03/31/95			
	MATRIX ---------->	Soil				Soil				Soil				Soil				Soil				Soil			
	UNITS ---------->	UG/KG				UG/KG				UG/KG				UG/KG				UG/KG				UG/KG			
CAS #	Parameter	0001P		VAL		0001P		VAL		0015P		VAL		0015P		VAL		0015P		VAL		0001P		VAL	
58-89-9	gamma-BHC (Lindane)	1.1		U		1.1		U		1.1		U		1.		U		1.1		U		1.1		U	
76-44-8	Heptachlor	1.1		U		1.1		U		1.1		U		1.		U		1.1		U		1.1		U	
309-00-2	Aldrin	1.1		U		1.1		U		1.1		U		1.		U		1.1		U		2.5		J	
959-98-8	Endosulfan I	1.6		U		1.6		U		1.6		U		1.6		U		1.6		U		1.6		U	
60-57-1	Dieldrin	1.6		U		1.6		U		5.5		J		1.6		U		1.6		U		1.6		U	
33213-65-9	Endosulfan II	3.7		U		3.7		U		3.7		U		3.6		U		3.8		U		3.8		U	
50-29-3	4,4'-DDT	3.7		U		3.7		U		65.				3.6		U		3.8		U		3.8		J	
72-43-5	Methoxychlor	3.7		U		3.7		U		7.5		J		3.6		U		3.8		U		34.		J	
319-84-6	alpha-BHC	1.1		U		1.1		U		1.1		U		1.		U		1.1		U		1.1		U	
319-85-7	beta-BHC	1.9		J		1.1		U		2.2		J		1.		U		1.1		U		24.		J	
319-86-8	delta-BHC	1.1		U		1.1		U		1.1		U		1.		U		1.1		U		1.1		U	
1024-57-3	Heptachlor epoxide	1.1		U		1.1		U		1.1		U		1.		U		1.1		U		1.1		U	
72-55-9	4,4'-DDE	3.7		U		3.7		U		33.		J		3.6		U		3.8		U		24.		J	
72-20-8	Endrin	2.7		U		2.6		U		2.6		U		2.6		U		2.7		U		2.7		U	
72-54-8	4,4'-DDD	3.7		U		3.7		U		7.7		J		3.6		U		3.8		U		5.1		J	
7421-93-4	Endrin aldehyde	1.2		J		1.1		U		1.1		U		1.		U		1.1		U		2.6		J	
1031-07-8	Endosulfan sulfate	2.1		U		2.1		U		2.1		U		2.1		U		2.1		U		2.1		U	
11096-82-5	Aroclor-1260	22.		U		21.		U		22.		U		21.		U		21.		U		22.		U	
12674-11-2	Aroclor-1016	22.		U		21.		U		22.		U		21.		U		21.		U		22.		U	
11104-28-2	Aroclor-1221	22.		U		21.		U		22.		U		21.		U		21.		U		22.		U	
11141-16-5	Aroclor-1232	22.		U		21.		U		22.		U		21.		U		21.		U		22.		U	
53469-21-9	Aroclor-1242	22.		U		21.		U		22.		U		21.		U		21.		U		22.		U	
12672-29-6	Aroclor-1248	22.		U		21.		U		22.		U		21.		U		21.		U		22.		U	
11097-69-1	Aroclor-1254	22.		U		21.		U		22.		U		21.		U		21.		U		22.		U	
8001-35-2	Toxaphene	22.		U		21.		U		22.		U		21.		U		21.		U		22.		U	
57-74-9	Chlordane	4.3		U		4.2		U		4.3		U		4.2		U		4.3		U		4.2		J	
53494-70-5	Endrin ketone	NR				NR				NR				NR				NR				NR			
5103-71-9	alpha-Chlordane	NR				NR				NR				NR				NR				NR			
5103-74-2	gamma-Chlordane	NR				NR				NR				NR				NR				NR			

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-PEST																							
	SAMPLE ID ------>	510-S-B005-02			510-C-B005-02			510-G-W001-01			510-G-W002-01			511-S-B001-01			511-S-B001-02		
	ORIGINAL ID ----->	510SB00502			510CB00502			510GW00101			510GW00201			511SB00101			511SB00102		
	LAB SAMPLE ID --->	690148			690168			730817			730815			692139			692161		
	ID FROM REPORT -->	510SB00502			510CB00502			510GW00101			510GW00201			511SB00101			511SB00102		
	SAMPLE DATE ----->	03/14/95			03/14/95			06/12/95			06/12/95			03/21/95			03/21/95		
	DATE EXTRACTED -->	03/18/95			03/18/95			06/16/95			06/16/95			03/26/95			03/26/95		
	DATE ANALYZED --->	03/21/95			03/21/95			06/26/95			06/26/95			03/31/95			03/31/95		
	MATRIX ---------->	Soil			Soil			Water			Water			Soil			Soil		
	UNITS ---------->	UG/KG			UG/KG			UG/L			UG/L			UG/KG			UG/KG		
CAS #	Parameter	0001P		VAL	0001P		VAL	0017P		VAL	0017P		VAL	0002P		VAL	0002P		VAL
58-89-9	gamma-BHC (Lindane)	1.1		U	1.1		U	0.03		U	0.03		U	1.1		U	1.1		U
76-44-8	Heptachlor	1.1		U	1.1		U	0.03		U	0.03		U	1.1		U	1.1		U
309-00-2	Aldrin	1.1		U	1.1		U	0.03		U	0.03		U	1.1		U	1.1		U
959-98-8	Endosulfan I	1.6		U	1.6		U	0.05		U	0.05		U	1.6		U	1.6		U
60-57-1	Dieldrin	1.6		U	1.6		U	0.03		U	0.03		U	21.		J	1.6		U
33213-65-9	Endosulfan II	3.7		U	3.7		U	0.1		U	0.1		U	3.8		U	3.7		U
50-29-3	4,4'-DDT	3.7		U	3.7		U	0.1		U	0.1		U	240.			5.6		
72-43-5	Methoxychlor	3.7		U	3.7		U	0.3		U	0.3		U	19.		J	3.7		U
319-84-6	alpha-BHC	1.1		U	1.1		U	0.03		U	0.03		U	1.1		U	1.1		U
319-85-7	beta-BHC	1.1		U	1.1		U	0.03		U	0.03		U	1.1		U	1.1		U
319-86-8	delta-BHC	1.1		U	1.1		U	0.03		U	0.03		U	1.1		U	1.1		U
1024-57-3	Heptachlor epoxide	1.1		U	1.1		U	0.03		U	0.03		U	1.8		J	1.1		U
72-55-9	4,4'-DDE	3.7		U	3.7		U	0.1		U	0.1		U	170.			5.		
72-20-8	Endrin	2.6		U	2.6		U	0.05		U	0.05		U	2.6		U	2.6		U
72-54-8	4,4'-DDD	3.7		U	3.7		U	0.1		U	0.1		U	3.7		U	3.7		U
7421-93-4	Endrin aldehyde	1.1		U	1.1		U	0.03		U	0.03		U	1.4		J	1.1		U
1031-07-8	Endosulfan sulfate	2.1		U	2.1		U	0.05		U	0.05		U	2.2		U	2.1		U
11096-82-5	Aroclor-1260	21.		U	21.		U	0.5		U	0.5		U	22.		U	21.		U
12674-11-2	Aroclor-1016	21.		U	21.		U	0.5		U	0.5		U	22.		U	21.		U
11104-28-2	Aroclor-1221	21.		U	21.		U	0.5		U	0.5		U	22.		U	21.		U
11141-16-5	Aroclor-1232	21.		U	21.		U	0.5		U	0.5		U	22.		U	21.		U
53469-21-9	Aroclor-1242	21.		U	21.		U	0.5		U	0.5		U	22.		U	21.		U
12672-29-6	Aroclor-1248	21.		U	21.		U	0.5		U	0.5		U	22.		U	21.		U
11097-69-1	Aroclor-1254	21.		U	21.		U	0.5		U	0.5		U	22.		U	21.		U
8001-35-2	Toxaphene	21.		U	21.		U	1.		U	1.		U	22.		U	21.		U
57-74-9	Chlordane	4.2		U	4.2		U	0.12		U	0.12		U	12.			4.3		U
53494-70-5	Endrin ketone	NR			NR			NR			NR			NR			NR		
5103-71-9	alpha-Chlordane	NR			NR			NR			NR			NR			NR		
5103-74-2	gamma-Chlordane	NR			NR			NR			NR			NR			NR		

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-PEST						
SAMPLE ID ------>	511-S-B002-01	511-S-B002-02	511-S-B003-01	511-S-B003-02	511-S-B004-01	511-S-B005-01
ORIGINAL ID ----->	511SB00201	511SB00202	511SB00301	511SB00302	511SB00401	511SB00501
LAB SAMPLE ID --->	692194	692151	692207	692176	692101	692250
ID FROM REPORT -->	511SB00201	511SB00202	511SB00301	511SB00302	511SB00401	511SB00501
SAMPLE DATE ----->	03/21/95	03/21/95	03/21/95	03/21/95	03/21/95	03/21/95
DATE EXTRACTED -->	03/26/95	03/26/95	03/26/95	03/26/95	03/26/95	03/26/95
DATE ANALYZED --->	03/31/95	03/31/95	03/28/95	03/31/95	03/31/95	03/28/95
MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
UNITS ----------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0002P	VAL	0002P	VAL	0003P	VAL	0002P	VAL	0002P	VAL	0003P	VAL
58-89-9	gamma-BHC (Lindane)	2.6		1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
76-44-8	Heptachlor	1.	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
309-00-2	Aldrin	1.	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
959-98-8	Endosulfan I	1.6	U	1.6	U	1.6	U	1.6	U	1.6	U	2.	J
60-57-1	Dieldrin	200.	J	20.	J	1.6	U	1.6	U	1.9	J	1.6	U
33213-65-9	Endosulfan II	3.6	U	3.7	U	3.7	U	3.7	U	3.8	U	3.7	U
50-29-3	4,4'-DDT	64.		7.5		3.7	U	3.7	U	18.		27.	
72-43-5	Methoxychlor	6.7	J	3.7	U	3.7	U	3.7	U	5.1	J	3.7	U
319-84-6	alpha-BHC	1.	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
319-85-7	beta-BHC	1.	U	1.1	U	1.1	U	1.1	U	1.1	U	1.7	J
319-86-8	delta-BHC	1.	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
1024-57-3	Heptachlor epoxide	12.		1.1	U	1.1	U	1.1	U	4.4	J	3.3	
72-55-9	4,4'-DDE	78.		4.8	J	3.7	U	3.7	U	21.		11.	J
72-20-8	Endrin	2.5	U	2.6	U	2.6	U	2.6	U	2.6	U	2.6	U
72-54-8	4,4'-DDD	16.		3.7	U	3.7	U	3.7	U	4.3	J	13.	J
7421-93-4	Endrin aldehyde	1.	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
1031-07-8	Endosulfan sulfate	2.1	U	2.1	U	2.1	U	2.1	U	2.1	U	2.1	U
11096-82-5	Aroclor-1260	21.	U	21.	U	21.	U	21.	U	22.	U	21.	U
12674-11-2	Aroclor-1016	21.	U	21.	U	21.	U	21.	U	22.	U	21.	U
11104-28-2	Aroclor-1221	21.	U	21.	U	21.	U	21.	U	22.	U	21.	U
11141-16-5	Aroclor-1232	21.	U	21.	U	21.	U	21.	U	22.	U	21.	U
53469-21-9	Aroclor-1242	21.	U	21.	U	21.	U	21.	U	22.	U	21.	U
12672-29-6	Aroclor-1248	21.	U	21.	U	21.	U	21.	U	22.	U	21.	U
11097-69-1	Aroclor-1254	21.	U	21.	U	21.	U	21.	U	22.	U	21.	U
8001-35-2	Toxaphene	21.	U	21.	U	21.	U	21.	U	22.	U	21.	U
57-74-9	Chlordane	11.	J	4.2	J	4.3	U	4.3	U	11.		35.	
53494-70-5	Endrin ketone	NR		NR		NR		NR		NR		NR	
5103-71-9	alpha-Chlordane	NR		NR		NR		NR		NR		NR	
5103-74-2	gamma-Chlordane	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-PEST						
SAMPLE ID ------->	511-S-B005-02	511-C-B005-02	511-S-B006-01	511-S-B006-02	512-S-B001-01	512-S-B002-01
ORIGINAL ID ----->	511SB00502	511CB00502	511SB00601	511SB00602	512SB00101	512SB00201
LAB SAMPLE ID --->	692188	692107	691994	692231	690512	690538
ID FROM REPORT -->	511SB00502	511CB00502	511SB00601	511SB00602	512SB00101	512SB00201
SAMPLE DATE ----->	03/21/95	03/21/95	03/21/95	03/21/95	03/15/95	03/15/95
DATE EXTRACTED -->	03/26/95	03/26/95	03/24/95	03/26/95	03/21/95	03/22/95
DATE ANALYZED --->	03/31/95	03/31/95	03/31/95	03/28/95	03/23/95	03/23/95
MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
UNITS ----------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0002P	VAL	0002P	VAL	0002P	VAL	0003P	VAL	0001P	VAL	0001P	VAL
58-89-9	gamma-BHC (Lindane)	1.	U	1.1	U	1.	U	1.1	U	1.2	U	1.2	U
76-44-8	Heptachlor	1.	U	1.1	U	1.	U	1.1	U	1.2	U	1.2	U
309-00-2	Aldrin	1.	U	1.1	U	1.	U	1.1	U	1.2	U	1.2	U
959-98-8	Endosulfan I	1.6	U	1.6	U	1.6	U	1.6	U	1.7	U	2.4	
60-57-1	Dieldrin	1.6	U	1.6	U	2.2	J	1.6	U	1.9	U	1.9	U
33213-65-9	Endosulfan II	3.7	U	3.7	U	3.7	U	3.7	U	4.1	U	4.1	U
50-29-3	4,4'-DDT	3.7	U	3.7	U	110.		3.7	U	21.	J	4.1	U
72-43-5	Methoxychlor	3.7	U	3.7	U	3.7	U	3.7	U	4.1	U	4.1	U
319-84-6	alpha-BHC	1.	U	1.1	U	1.	U	1.1	U	1.2	U	1.2	U
319-85-7	beta-BHC	1.	U	1.1	U	1.	U	1.1	U	8.4	J	1.2	U
319-86-8	delta-BHC	1.	U	1.1	U	1.	U	1.1	U	1.2	U	1.2	U
1024-57-3	Heptachlor epoxide	1.	U	1.1	U	1.2	J	1.1	U	1.2	U	1.2	U
72-55-9	4,4'-DDE	3.7	U	3.7	U	140.	J	4.6		4.3	J	11.	
72-20-8	Endrin	2.6	U	2.6	U	2.6	U	2.6	U	3.1	U	3.1	U
72-54-8	4,4'-DDD	3.7	U	3.7	U	25.	J	3.7	U	4.1	U	4.1	U
7421-93-4	Endrin aldehyde	1.	U	1.1	U	1.6	J	1.1	U	13.	J	1.2	U
1031-07-8	Endosulfan sulfate	2.1	U	2.1	U	2.1	U	2.1	U	2.3	U	2.4	U
11096-82-5	Aroclor-1260	21.	U	21.	U	21.	U	21.	U	23.	U	25.	U
12674-11-2	Aroclor-1016	21.	U	21.	U	21.	U	21.	U	23.	U	25.	U
11104-28-2	Aroclor-1221	21.	U	21.	U	21.	U	21.	U	23.	U	25.	U
11141-16-5	Aroclor-1232	21.	U	21.	U	21.	U	21.	U	23.	U	25.	U
53469-21-9	Aroclor-1242	21.	U	21.	U	21.	U	21.	U	23.	U	25.	U
12672-29-6	Aroclor-1248	21.	U	21.	U	21.	U	21.	U	23.	U	25.	U
11097-69-1	Aroclor-1254	21.	U	21.	U	21.	U	21.	U	23.	U	25.	U
8001-35-2	Toxaphene	21.	U	21.	U	21.	U	21.	U	23.	U	25.	U
57-74-9	Chlordane	4.2	U	4.2	U	42.	J	4.2	U	4.3	U	4.2	J
53494-70-5	Endrin ketone	NR		NR		NR		NR		NR		NR	
5103-71-9	alpha-Chlordane	NR		NR		NR		NR		NR		NR	
5103-74-2	gamma-Chlordane	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-PEST						
SAMPLE ID ------->	512-S-B002-02	512-S-B003-01	512-C-B003-01	512-S-B004-01	512-S-B005-01	512-S-B006-01
ORIGINAL ID ----->	512SB00202	512SB00301	512CB00301	512SB00401	512SB00501	512SB00601
LAB SAMPLE ID --->	690539 D11	690503	690542 D11	690508	690494	690537
ID FROM REPORT -->	512SB00202	512SB00301	512CB00301	512SB00401	512SB00501	512SB00601
SAMPLE DATE ----->	03/15/95	03/15/95	03/15/95	03/15/95	03/15/95	03/15/95
DATE EXTRACTED -->	03/22/95	03/21/95	03/22/95	03/21/95	03/21/95	03/22/95
DATE ANALYZED --->	03/23/95	03/23/95	03/23/95	03/23/95	03/23/95	03/23/95
MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
UNITS ----------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0001P	VAL	0001P	VAL	0001P	VAL	0001P	VAL	0001P	VAL	0001P	VAL
58-89-9	gamma-BHC (Lindane)	13.	U	1.1	U	11.	U	1.1	U	1.1	U	1.2	U
76-44-8	Heptachlor	13.	U	1.1	U	11.	U	1.1	U	1.1	U	1.2	U
309-00-2	Aldrin	13.	U	1.1	U	11.	U	1.1	U	1.1	U	1.1	J
959-98-8	Endosulfan I	19.	U	1.7	U	17.	U	1.7	U	1.7	U	1.8	U
60-57-1	Dieldrin	19.	U	1.7	U	17.	U	1.7	U	2.	J	1.8	U
33213-65-9	Endosulfan II	45.	U	3.9	U	39.	U	3.9	U	3.9	U	4.2	U
50-29-3	4,4'-DDT	45.	U	55.	J	67.	J	3.9	U	7.6	J	4.2	U
72-43-5	Methoxychlor	45.	U	3.9	U	39.	U	3.9	U	4.3	J	4.2	U
319-84-6	alpha-BHC	13.	U	1.1	U	11.	U	1.1	U	1.1	U	1.2	U
319-85-7	beta-BHC	13.	U	1.6	J	11.	U	6.7	J	1.1	U	1.2	U
319-86-8	delta-BHC	13.	U	1.1	U	11.	U	1.1	U	1.1	U	1.2	U
1024-57-3	Heptachlor epoxide	13.	U	1.1	U	11.	U	1.1	U	1.1	U	1.2	U
72-55-9	4,4'-DDE	180.		140.	J	190.		3.9	U	8.2		8.9	
72-20-8	Endrin	16.	U	2.6	U	28.	U	2.6	U	2.6	U	3.	U
72-54-8	4,4'-DDD	57.	J	37.	J	39.	U	3.9	U	4.1	J	4.2	U
7421-93-4	Endrin aldehyde	13.	U	2.9	J	11.	U	1.6	J	3.	J	1.2	U
1031-07-8	Endosulfan sulfate	26.	U	2.2	U	22.	U	2.2	U	2.2	U	2.3	U
11096-82-5	Aroclor-1260	220.	J	22.	U	220.	U	22.	U	22.	U	24.	U
12674-11-2	Aroclor-1016	260.	U	22.	U	220.	U	22.	U	22.	U	24.	U
11104-28-2	Aroclor-1221	260.	U	22.	U	220.	U	22.	U	22.	U	24.	U
11141-16-5	Aroclor-1232	260.	U	22.	U	220.	U	22.	U	22.	U	24.	U
53469-21-9	Aroclor-1242	260.	U	22.	U	220.	U	22.	U	22.	U	24.	U
12672-29-6	Aroclor-1248	260.	U	22.	U	220.	U	22.	U	22.	U	24.	U
11097-69-1	Aroclor-1254	260.	U	22.	U	220.	U	22.	U	22.	U	60.	
8001-35-2	Toxaphene	260.	U	22.	U	220.	U	22.	U	22.	U	24.	U
57-74-9	Chlordane	51.	U	4.4	U	44.	U	4.3	U	4.3	U	3.1	J
53494-70-5	Endrin ketone	NR		NR		NR		NR		NR		NR	
5103-71-9	alpha-Chlordane	NR		NR		NR		NR		NR		NR	
5103-74-2	gamma-Chlordane	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-PEST

	SAMPLE ID ------->	513-S-B001-01	513-S-B001-02	513-S-B002-01	513-S-B002-02	513-C-B002-02	513-S-B003-01
	ORIGINAL ID ----->	513SB00101	513SB00102	513SB00201	513SB00202	513CB00202	513SB00301
	LAB SAMPLE ID --->	702269	702278	702294	702306	702405	702316
	ID FROM REPORT -->	513SB00101	513SB00102	513SB00201	513SB00202	513CB00202	513SB00301
	SAMPLE DATE ----->	04/12/95	04/12/95	04/12/95	04/12/95	04/12/95	04/12/95
	DATE EXTRACTED -->	04/20/95	04/20/95	04/20/95	04/20/95	04/15/95	04/20/95
	DATE ANALYZED --->	04/29/95	04/29/95	04/29/95	04/29/95	05/07/95	04/29/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ----------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0006P	VAL	0006P	VAL	0006P	VAL	0006P	VAL	0010P	VAL	0006P	VAL
58-89-9	gamma-BHC (Lindane)	1.1	U	1.	U	1.1	U	1.1	U	1.1	U	1.1	U
76-44-8	Heptachlor	1.1	U	1.	U	1.1	U	1.1	U	1.1	U	1.1	U
309-00-2	Aldrin	1.1	U	1.	U	1.1	U	1.1	U	1.1	U	1.1	U
959-98-8	Endosulfan I	1.6	U	1.6	U	3.7	J	1.6	U	1.6	U	1.8	J
60-57-1	Dieldrin	5.2	J	1.6	U	1.6	U	1.6	U	1.6	U	1.6	U
33213-65-9	Endosulfan II	3.7	U	3.7	U	3.7	U	3.7	U	3.7	U	3.7	U
50-29-3	4,4'-DDT	20.		3.7	U	3.7	U	3.7	U	3.7	U	8.3	
72-43-5	Methoxychlor	3.7	U	3.7	U	3.7	U	3.7	U	3.7	U	3.7	U
319-84-6	alpha-BHC	1.1	U	1.	U	1.1	U	1.1	U	1.1	U	1.1	U
319-85-7	beta-BHC	1.1	U	1.	U	1.1	U	1.1	U	1.1	U	1.1	U
319-86-8	delta-BHC	1.1	U	1.	U	1.6	J	1.1	U	1.1	U	1.1	U
1024-57-3	Heptachlor epoxide	1.1	U	1.	U	16.	J	1.1	U	1.1	U	1.1	U
72-55-9	4,4'-DDE	37.		3.7	U	3.7	U	3.7	U	3.7	U	4.2	J
72-20-8	Endrin	2.6	U	2.6	U	11.	J	2.6	U	2.6	U	4.	J
72-54-8	4,4'-DDD	3.7	U	3.7	U	3.7	U	3.7	U	3.7	U	3.7	U
7421-93-4	Endrin aldehyde	1.1	U	1.	U	2.2	J	1.1	U	1.1	U	1.3	J
1031-07-8	Endosulfan sulfate	2.4	J	2.1	U	2.1	U	2.1	U	2.1	U	3.5	J
11096-82-5	Aroclor-1260	22.	U	21.	U	22.	U	23.	U	21.	U	21.	U
12674-11-2	Aroclor-1016	22.	U	21.	U	22.	U	23.	U	21.	U	21.	U
11104-28-2	Aroclor-1221	22.	U	21.	U	22.	U	23.	U	21.	U	21.	U
11141-16-5	Aroclor-1232	22.	U	21.	U	22.	U	23.	U	21.	U	21.	U
53469-21-9	Aroclor-1242	22.	U	21.	U	22.	U	23.	U	21.	U	21.	U
12672-29-6	Aroclor-1248	22.	U	21.	U	22.	U	23.	U	21.	U	21.	U
11097-69-1	Aroclor-1254	22.	U	21.	U	22.	U	23.	U	21.	U	21.	U
8001-35-2	Toxaphene	22.	U	21.	U	22.	U	23.	U	21.	U	21.	U
57-74-9	Chlordane	55.		4.2	U	4.4	U	4.5	U	4.2	U	4.3	U
53494-70-5	Endrin ketone	NR		NR		NR		NR		NR		NR	
5103-71-9	alpha-Chlordane	NR		NR		NR		NR		NR		NR	
5103-74-2	gamma-Chlordane	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-PEST						
SAMPLE ID ------->	513-S-B003-02	513-S-B004-01	513-S-B004-02	513-S-B005-01	513-S-B005-02	513-S-B006-01
ORIGINAL ID ----->	513SB00302	513SB00401	513SB00402	513SB00501	513SB00502	513SB00601
LAB SAMPLE ID --->	702330	702335	702340	702349	702359	702369
ID FROM REPORT -->	513SB00302	513SB00401	513SB00402	513SB00501	513SB00502	513SB00601
SAMPLE DATE ----->	04/12/95	04/12/95	04/12/95	04/12/95	04/12/95	04/12/95
DATE EXTRACTED -->	04/20/95	04/20/95	04/20/95	04/20/95	04/20/95	04/20/95
DATE ANALYZED --->	04/29/95	04/29/95	04/29/95	04/30/95	04/30/95	04/30/95
MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
UNITS ----------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0006P	VAL	0006P	VAL	0006P	VAL	0006P	VAL	0006P	VAL	0006P	VAL
58-89-9	gamma-BHC (Lindane)	1.1	U	1.1	U	1.	U	1.1	U	1.	U	1.1	U
76-44-8	Heptachlor	1.1	U	1.1	U	1.	U	1.1	U	1.	U	1.1	U
309-00-2	Aldrin	1.1	U	1.1	U	1.	U	1.1	U	1.	U	1.1	U
959-98-8	Endosulfan I	1.6	U	1.6	U	1.6	U	1.6	U	1.6	U	1.6	U
60-57-1	Dieldrin	1.6	U	2.	J	1.6	U	4.3	J	1.6	U	1.6	U
33213-65-9	Endosulfan II	3.7	U	3.7	U	3.7	U	3.7	U	3.7	U	3.7	U
50-29-3	4,4'-DDT	3.7	U	14.	J	3.7	U	5.4	J	3.7	U	5.4	J
72-43-5	Methoxychlor	3.7	U	3.7	U	3.7	U	3.7	U	3.7	U	3.7	U
319-84-6	alpha-BHC	1.1	U	1.1	U	1.	U	1.1	U	1.	U	1.1	U
319-85-7	beta-BHC	1.1	U	1.1	U	1.	U	1.1	U	1.	U	1.1	U
319-86-8	delta-BHC	1.1	U	3.2	J	1.	U	1.1	U	1.	U	1.7	J
1024-57-3	Heptachlor epoxide	1.1	U	3.4	J	1.	U	1.1	U	1.	U	1.1	U
72-55-9	4,4'-DDE	3.7	U	6.7	J	3.7	U	8.8		3.7	U	5.5	J
72-20-8	Endrin	2.6	U	17.	J	2.6	U	9.3	J	2.6	U	8.1	J
72-54-8	4,4'-DDD	3.7	U	4.4		3.7	U	3.7	U	3.7	U	3.7	U
7421-93-4	Endrin aldehyde	1.1	U	1.5	J	1.	U	1.1	U	1.	U	2.3	J
1031-07-8	Endosulfan sulfate	2.1	U	2.4	J	2.1	U	2.1	U	2.1	U	2.1	U
11096-82-5	Aroclor-1260	21.	U	21.	U	21.	U	22.	U	21.	U	22.	U
12674-11-2	Aroclor-1016	21.	U	21.	U	21.	U	22.	U	21.	U	22.	U
11104-28-2	Aroclor-1221	21.	U	21.	U	21.	U	22.	U	21.	U	22.	U
11141-16-5	Aroclor-1232	21.	U	21.	U	21.	U	22.	U	21.	U	22.	U
53469-21-9	Aroclor-1242	21.	U	21.	U	21.	U	22.	U	21.	U	22.	U
12672-29-6	Aroclor-1248	21.	U	21.	U	21.	U	22.	U	21.	U	22.	U
11097-69-1	Aroclor-1254	21.	U	21.	U	21.	U	22.	U	21.	U	22.	U
8001-35-2	Toxaphene	21.	U	21.	U	21.	U	22.	U	21.	U	22.	U
57-74-9	Chlordane	4.2	U	4.2	U	4.2	U	4.3	U	4.2	U	4.4	U
53494-70-5	Endrin ketone	NR		NR		NR		NR		NR		NR	
5103-71-9	alpha-Chlordane	NR		NR		NR		NR		NR		NR	
5103-74-2	gamma-Chlordane	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-PEST													
	SAMPLE ID ------->	513-S-B006-02		515-S-B001-01		515-S-B001-02		515-S-B002-01		515-S-B002-02		515-S-B003-01	
	ORIGINAL ID ----->	513SB00602		515SB00101		515SB00102		515SB00201		515SB00202		515SB00301	
	LAB SAMPLE ID --->	702387		704231		704243		704254		704282		704290	
	ID FROM REPORT -->	513SB00602		515SB00101		515SB00102		515SB00201		515SB00202		515SB00301	
	SAMPLE DATE ----->	04/12/95		04/18/95		04/18/95		04/18/95		04/18/95		04/18/95	
	DATE EXTRACTED -->	04/15/95		04/26/95		04/26/95		04/25/95		04/26/95		04/26/95	
	DATE ANALYZED --->	05/07/95		05/09/95		05/09/95		05/23/95		05/09/95		05/09/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0010P	VAL	0012P	VAL	0012P	VAL	0015P	VAL	0012P	VAL	0012P	VAL
58-89-9	gamma-BHC (Lindane)	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	0.089	J
76-44-8	Heptachlor	1.1	U	3.	J	0.079	J	1.1	U	1.1	U	1.1	
309-00-2	Aldrin	1.1	U	0.31	J	0.037	J	1.1	U	1.1	U	1.1	U
959-98-8	Endosulfan I	1.6	U	1.2		1.6	U	1.6	U	1.3	J	0.81	J
60-57-1	Dieldrin	1.6	U	1.6	U	1.6	U	1.6	U	1.6	U	0.77	J
33213-65-9	Endosulfan II	3.7	U	3.8	U	3.8	U	3.7	U	3.8	U	3.8	U
50-29-3	4,4'-DDT	3.7	U	150.	J	0.42	J	42.	J	0.52	J	11.	
72-43-5	Methoxychlor	3.7	U	3.7	U	3.8	U	6.9		3.8	U	5.3	U
319-84-6	alpha-BHC	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	0.093	J
319-85-7	beta-BHC	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.9	
319-86-8	delta-BHC	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
1024-57-3	Heptachlor epoxide	1.1	U	0.25	J	1.1	U	1.1	U	1.1	U	0.18	J
72-55-9	4,4'-DDE	3.7	U	190.	J	2.3	J	60.		1.5	J	16.	
72-20-8	Endrin	2.6	U	1.6	J	0.29	J	2.6		0.7	J	0.24	J
72-54-8	4,4'-DDD	3.7	U	11.	J	0.3	J	5.1	J	0.26	J	2.8	J
7421-93-4	Endrin aldehyde	1.1	U	3.2	J	1.1	U	1.1	U	1.1	U	1.5	
1031-07-8	Endosulfan sulfate	2.1	U	2.1	U	2.1	U	2.1	U	2.1	U	2.1	U
11096-82-5	Aroclor-1260	21.	U	22.	U	21.	U	22.	U	21.	U	22.	U
12674-11-2	Aroclor-1016	21.	U	22.	U	21.	U	22.	U	21.	U	22.	U
11104-28-2	Aroclor-1221	21.	U	22.	U	21.	U	22.	U	21.	U	22.	U
11141-16-5	Aroclor-1232	21.	U	22.	U	21.	U	22.	U	21.	U	22.	U
53469-21-9	Aroclor-1242	21.	U	22.	U	21.	U	22.	U	21.	U	22.	U
12672-29-6	Aroclor-1248	21.	U	22.	U	21.	U	22.	U	21.	U	22.	U
11097-69-1	Aroclor-1254	21.	U	22.	U	21.	U	22.	U	21.	U	22.	U
8001-35-2	Toxaphene	21.	U	22.	U	21.	U	22.	U	21.	U	22.	U
57-74-9	Chlordane	4.2	U	4.3	U	4.2	U	4.3	U	4.2	U	4.4	U
53494-70-5	Endrin ketone	NR		NR		NR		NR		NR		NR	
5103-71-9	alpha-Chlordane	NR		NR		NR		NR		NR		NR	
5103-74-2	gamma-Chlordane	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-PEST						
SAMPLE ID ------>	515-S-B003-02	515-S-B004-01	515-S-B004-02	515-S-B004-02	515-S-B005-01	515-S-B005-02
ORIGINAL ID ----->	515SB00302	515SB00401	515SB00402	515SB00402	515SB00501	515SB00502
LAB SAMPLE ID --->	704316	704346	704414	704363	704380	704386
ID FROM REPORT -->	515SB00302	515SB00401	515SB00402	515SB00402	515SB00501	515SB00502
SAMPLE DATE ----->	04/18/95	04/18/95	04/18/95	04/18/95	04/18/95	04/18/95
DATE EXTRACTED -->	04/26/95	04/26/95	04/25/95	04/26/95	04/25/95	04/25/95
DATE ANALYZED --->	05/09/95	05/09/95	05/13/95	05/09/95	05/13/95	05/23/95
MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0012P	VAL	0012P	VAL	0015P	VAL	0012P	VAL	0012P	VAL	0012P	VAL
58-89-9	gamma-BHC (Lindane)	1.1	U	1.1	U	1.1	U	1.3	U	1.1	U	1.1	U
76-44-8	Heptachlor	1.1	U	1.8		1.1	U	1.3	U	0.8	J	1.1	U
309-00-2	Aldrin	0.14	J	0.17	J	1.1	U	1.3	U	0.11	J	1.1	U
959-98-8	Endosulfan I	0.097	J	0.59	J	1.6	U	0.62	J	0.14	J	1.6	U
60-57-1	Dieldrin	1.6	U	1.6	U	1.6	U	1.9	U	1.6	U	1.6	U
33213-65-9	Endosulfan II	3.8	U	3.8	U	3.7	U	4.4	U	3.8	U	3.7	U
50-29-3	4,4'-DDT	0.76	J	17.		3.7	U	4.4	U	12.		0.92	J
72-43-5	Methoxychlor	3.8	U	3.8	U	0.9	J	4.4	U	3.8	U	3.7	U
319-84-6	alpha-BHC	1.1	U	1.1	U	1.1	U	1.3	U	1.1	U	1.1	U
319-85-7	beta-BHC	1.1	U	1.1	U	1.1	U	1.3	U	0.65	J	0.32	J
319-86-8	delta-BHC	1.1	U	1.1	U	1.1	U	1.3	U	0.17	J	1.1	U
1024-57-3	Heptachlor epoxide	1.1	U	2.		1.1	U	1.3	U	0.37	J	0.34	J
72-55-9	4,4'-DDE	3.8	U	38.		3.7	U	1.1	J	20.		1.4	
72-20-8	Endrin	0.64	J	0.25	J	2.7	U	0.34	J	0.16	J	2.6	U
72-54-8	4,4'-DDD	0.4	J	2.4	J	3.7	U	0.24	J	0.69	J	3.7	U
7421-93-4	Endrin aldehyde	0.3	J	0.14	J	1.1	U	1.3	U	1.1	U	1.1	U
1031-07-8	Endosulfan sulfate	2.1	U	2.1	U	0.48	J	2.2	U	2.2	U	2.2	U
11096-82-5	Aroclor-1260	21.	U	22.	U	21.	U	25.	U	22.	U	21.	U
12674-11-2	Aroclor-1016	21.	U	22.	U	21.	U	25.	U	22.	U	21.	U
11104-28-2	Aroclor-1221	21.	U	22.	U	21.	U	25.	U	22.	U	21.	U
11141-16-5	Aroclor-1232	21.	U	22.	U	21.	U	25.	U	22.	U	21.	U
53469-21-9	Aroclor-1242	21.	U	22.	U	21.	U	25.	U	22.	U	21.	U
12672-29-6	Aroclor-1248	21.	U	22.	U	21.	U	25.	U	22.	U	21.	U
11097-69-1	Aroclor-1254	21.	U	22.	U	21.	U	25.	U	22.	U	21.	U
8001-35-2	Toxaphene	21.	U	22.	U	21.	U	25.	U	22.	U	21.	U
57-74-9	Chlordane	4.2	U	4.3	U	4.2	U	5.1	U	4.4	U	4.2	U
53494-70-5	Endrin ketone	NR		NR		NR		NR		NR		NR	
5103-71-9	alpha-Chlordane	NR		NR		NR		NR		NR		NR	
5103-74-2	gamma-Chlordane	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-PEST						
SAMPLE ID ------->	515-S-B006-01	515-S-B006-02	515-C-B006-02	516-S-B001-01	516-S-B001-02	516-S-B002-01
ORIGINAL ID ----->	515SB00601	515SB00602	515CB00602	516SB00101	516SB00102	516SB00201
LAB SAMPLE ID --->	704198	704204	704215	699049	699062	699068
ID FROM REPORT -->	515SB00601	515SB00602	515CB00602	516SB00101	516SB00102	516SB00201
SAMPLE DATE ----->	04/18/95	04/18/95	04/18/95	04/05/95	04/05/95	04/05/95
DATE EXTRACTED -->	04/26/95	04/26/95	04/26/95	04/19/95	04/19/95	04/19/95
DATE ANALYZED --->	05/09/95	05/09/95	05/09/95	05/14/95	05/14/95	05/14/95
MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
UNITS ----------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0012P	VAL	0012P	VAL	0012P	VAL	0005P	VAL	0005P	VAL	0005P	VAL
58-89-9	gamma-BHC (Lindane)	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
76-44-8	Heptachlor	2.	J	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
309-00-2	Aldrin	0.5	J	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
959-98-8	Endosulfan I	0.93	J	1.6	U	1.6	U	1.7	U	1.7	U	1.6	U
60-57-1	Dieldrin	3.4	J	0.84	J	1.6	U	1.7	U	1.7	U	1.6	U
33213-65-9	Endosulfan II	3.8	U	3.8	U	3.8	U	4.	U	4.	U	3.8	U
50-29-3	4,4'-DDT	33.	J	3.8	U	3.7	U	4.	U	4.	U	3.8	U
72-43-5	Methoxychlor	3.8	U	3.8	U	3.8	U	4.	U	4.	U	3.8	U
319-84-6	alpha-BHC	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
319-85-7	beta-BHC	1.1	J	1.1	U	1.1	U	5.3	J	1.1	U	1.1	U
319-86-8	delta-BHC	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
1024-57-3	Heptachlor epoxide	0.65	J	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
72-55-9	4,4'-DDE	38.	J	1.1	J	3.7	U	4.	U	4.	U	3.8	U
72-20-8	Endrin	2.7	U	0.61	J	0.3	J	2.7	U	2.7	U	2.7	U
72-54-8	4,4'-DDD	6.9	J	0.24	J	0.25	J	3.9	U	4.	U	3.8	U
7421-93-4	Endrin aldehyde	3.3	J	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
1031-07-8	Endosulfan sulfate	1.6	J	2.2	U	2.2	U	2.1	U	2.1	U	2.2	U
11096-82-5	Aroclor-1260	22.	U	21.	U	21.	U	22.	U	23.	U	22.	U
12674-11-2	Aroclor-1016	22.	U	21.	U	21.	U	22.	U	23.	U	22.	U
11104-28-2	Aroclor-1221	22.	U	21.	U	21.	U	22.	U	23.	U	22.	U
11141-16-5	Aroclor-1232	22.	U	21.	U	21.	U	22.	U	23.	U	22.	U
53469-21-9	Aroclor-1242	22.	U	21.	U	21.	U	22.	U	23.	U	22.	U
12672-29-6	Aroclor-1248	22.	U	21.	U	21.	U	22.	U	23.	U	22.	U
11097-69-1	Aroclor-1254	22.	U	21.	U	21.	U	22.	U	23.	U	22.	U
8001-35-2	Toxaphene	22.	U	21.	U	21.	U	22.	U	23.	U	22.	U
57-74-9	Chlordane	4.4	U	4.3	U	4.3	U	4.5	U	4.6	U	4.3	U
53494-70-5	Endrin ketone	NR		NR		NR		NR		NR		NR	
5103-71-9	alpha-Chlordane	NR		NR		NR		NR		NR		NR	
5103-74-2	gamma-Chlordane	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-PEST													
	SAMPLE ID ------->	516-S-B002-02		517-S-B001-01		517-S-B001-02		517-S-B002-01		517-S-B002-02		517-C-B002-02	
	ORIGINAL ID ----->	516SB00202		517SB00101		517SB00102		517SB00201		517SB00202		517CB00202	
	LAB SAMPLE ID --->	699074		698365		698370		698347		698352		698357	
	ID FROM REPORT -->	516SB00202		517SB00101		517SB00102		517SB00201		517SB00202		517CB00202	
	SAMPLE DATE ----->	04/05/95		04/04/95		04/04/95		04/04/95		04/04/95		04/04/95	
	DATE EXTRACTED -->	04/15/95		04/15/95		04/15/95		04/15/95		04/15/95		04/15/95	
	DATE ANALYZED --->	05/03/95		05/02/95		05/02/95		05/02/95		05/02/95		05/02/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0005P	VAL	0004P	VAL	0004P	VAL	0004P	VAL	0004P	VAL	0004P	VAL
58-89-9	gamma-BHC (Lindane)	1.1	U	1.1	U	1.1	U	1.	UR	1.1	U	1.1	U
76-44-8	Heptachlor	1.1	U	1.1	U	1.1	U	1.	UR	1.1	U	1.1	U
309-00-2	Aldrin	1.1	U	1.1	U	1.1	U	1.	UR	1.1	U	1.1	U
959-98-8	Endosulfan I	1.7	U	1.6	U	1.6	U	1.6	U	1.6	U	1.6	U
60-57-1	Dieldrin	1.7	U	1.6	U	1.6	U	1.6	U	1.6	U	1.6	U
33213-65-9	Endosulfan II	4.	U	3.8	U	3.8	U	3.6	UR	3.7	U	3.7	U
50-29-3	4,4'-DDT	4.	U	3.8	U	3.8	U	3.6	UR	3.7	U	3.7	U
72-43-5	Methoxychlor	4.	U	3.8	U	3.8	U	3.6	U	3.7	U	3.7	U
319-84-6	alpha-BHC	1.1	U	1.1	U	1.1	U	1.	UR	1.1	U	1.1	U
319-85-7	beta-BHC	1.1	U	1.1	U	1.1	U	1.	U	1.1	U	1.1	U
319-86-8	delta-BHC	1.1	U	1.1	U	1.1	U	1.	UR	1.1	U	1.1	U
1024-57-3	Heptachlor epoxide	1.1	U	1.1	U	1.1	U	1.	UR	1.1	U	1.1	U
72-55-9	4,4'-DDE	4.	U	9.8		3.8	U	7.6	J	3.7	U	3.7	U
72-20-8	Endrin	2.7	U	2.7	U	2.7	U	2.6	U	2.7	U	2.7	U
72-54-8	4,4'-DDD	4.	U	3.8	U	3.8	U	3.6	U	3.7	U	3.7	U
7421-93-4	Endrin aldehyde	1.1	U	1.2		1.1	U	1.6	J	1.1	U	1.1	U
1031-07-8	Endosulfan sulfate	2.3	U	2.6	J	2.2	U	3.	J	2.1	U	2.1	U
11096-82-5	Aroclor-1260	23.	U	21.	U	22.	U	79.		21.	U	21.	U
12674-11-2	Aroclor-1016	23.	U	21.	U	22.	U	21.	UR	21.	U	21.	U
11104-28-2	Aroclor-1221	23.	U	21.	U	22.	U	21.	UR	21.	U	21.	U
11141-16-5	Aroclor-1232	23.	U	21.	U	22.	U	21.	UR	21.	U	21.	U
53469-21-9	Aroclor-1242	23.	U	21.	U	22.	U	21.	UR	21.	U	21.	U
12672-29-6	Aroclor-1248	23.	U	21.	U	22.	U	21.	UR	21.	U	21.	U
11097-69-1	Aroclor-1254	23.	U	21.	U	22.	U	21.	UR	21.	U	21.	U
8001-35-2	Toxaphene	23.	U	21.	U	22.	U	21.	UR	21.	U	21.	U
57-74-9	Chlordane	4.6	U	4.2	U	4.3	U	4.1	UR	4.3	U	4.3	U
53494-70-5	Endrin ketone	NR		NR		NR		NR		NR		NR	
5103-71-9	alpha-Chlordane	NR		NR		NR		NR		NR		NR	
5103-74-2	gamma-Chlordane	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-PEST													
	SAMPLE ID ------->	517-S-B003-01		517-S-B003-02		517-S-B004-01		517-S-B004-02		517-S-B005-01		517-S-B005-02	
	ORIGINAL ID ----->	517SB00301		517SB00302		517SB00401		517SB00402		517SB00501		517SB00502	
	LAB SAMPLE ID --->	698337		698342		698311		698318		698323		698332	
	ID FROM REPORT -->	517SB00301		517SB00302		517SB00401		517SB00402		517SB00501		517SB00502	
	SAMPLE DATE ----->	04/04/95		04/04/95		04/04/95		04/04/95		04/04/95		04/04/95	
	DATE EXTRACTED -->	04/15/95		04/15/95		04/15/95		04/15/95		04/15/95		04/15/95	
	DATE ANALYZED --->	05/02/95		05/02/95		05/01/95		05/01/95		05/01/95		05/02/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0004P	VAL	0004P	VAL	0004P	VAL	0004P	VAL	0004P	VAL	0004P	VAL
58-89-9	gamma-BHC (Lindane)	1.	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
76-44-8	Heptachlor	1.	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
309-00-2	Aldrin	1.	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
959-98-8	Endosulfan I	1.6	U	1.6	U	2.2	J	1.6	U	1.6	U	1.6	U
60-57-1	Dieldrin	1.6	U	1.6	U	1.6	U	1.6	U	1.6	U	1.6	U
33213-65-9	Endosulfan II	3.6	U	3.7	U	3.7	U	3.7	U	3.7	U	3.8	U
50-29-3	4,4'-DDT	3.6	U	3.7	U	3.7	U	3.7	U	3.7	U	3.8	U
72-43-5	Methoxychlor	3.6	U	3.7	U	3.7	U	3.7	U	3.7	U	3.8	U
319-84-6	alpha-BHC	1.	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
319-85-7	beta-BHC	1.	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
319-86-8	delta-BHC	1.	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
1024-57-3	Heptachlor epoxide	1.	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
72-55-9	4,4'-DDE	5.2	J	3.7	U	3.7	U	3.7	U	3.7	U	3.8	U
72-20-8	Endrin	2.6	U	2.7	U	2.7	U	2.7	U	2.7	U	2.7	U
72-54-8	4,4'-DDD	3.7	U	3.7	U	3.7	U	3.7	U	3.7	U	3.8	U
7421-93-4	Endrin aldehyde	1.	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
1031-07-8	Endosulfan sulfate	3.2	J	2.1	U	2.1	U	2.1	U	2.1	U	2.2	U
11096-82-5	Aroclor-1260	21.	U	21.	U	21.	U	21.	U	21.	U	22.	U
12674-11-2	Aroclor-1016	21.	U	21.	U	21.	U	21.	U	21.	U	22.	U
11104-28-2	Aroclor-1221	21.	U	21.	U	21.	U	21.	U	21.	U	22.	U
11141-16-5	Aroclor-1232	21.	U	21.	U	21.	U	21.	U	21.	U	22.	U
53469-21-9	Aroclor-1242	21.	U	21.	U	21.	U	21.	U	21.	U	22.	U
12672-29-6	Aroclor-1248	21.	U	21.	U	21.	U	21.	U	21.	U	22.	U
11097-69-1	Aroclor-1254	21.	U	21.	U	21.	U	21.	U	21.	U	22.	U
8001-35-2	Toxaphene	21.	U	21.	U	21.	U	21.	U	21.	U	22.	U
57-74-9	Chlordane	4.2	U	4.3	U	4.3	U	4.3	U	4.2	U	4.3	U
53494-70-5	Endrin ketone	NR		NR		NR		NR		NR		NR	
5103-71-9	alpha-Chlordane	NR		NR		NR		NR		NR		NR	
5103-74-2	gamma-Chlordane	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-PEST													
	SAMPLE ID ------->	518-S-B001-01		518-S-B001-02		518-S-B002-01		518-S-B002-02		518-S-B003-01		518-S-B003-02	
	ORIGINAL ID ----->	518SB00101		518SB00102		518SB00201		518SB00202		518SB00301		518SB00302	
	LAB SAMPLE ID --->	699021 D11		699026 D50		698962		698977		699006		699014	
	ID FROM REPORT -->	518SB00101		518SB00102		518SB00201		518SB00202		518SB00301		518SB00302	
	SAMPLE DATE ----->	04/05/95		04/05/95		04/05/95		04/05/95		04/05/95		04/05/95	
	DATE EXTRACTED -->	04/19/95		04/19/95		04/19/95		04/19/95		04/19/95		04/19/95	
	DATE ANALYZED --->	05/14/95		05/14/95		05/14/95		05/14/95		05/14/95		05/14/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0005P	VAL	0005P	VAL	0005P	VAL	0005P	VAL	0005P	VAL	0005P	VAL
58-89-9	gamma-BHC (Lindane)	12.	U	5.2	U	1.1	U	1.1	U	1.	U	1.1	U
76-44-8	Heptachlor	69.	J	5.2	U	1.1	U	1.1	U	1.	U	1.1	U
309-00-2	Aldrin	12.	U	5.2	U	1.1	U	1.1	U	1.	U	1.1	U
959-98-8	Endosulfan I	16.	U	8.	U	1.6	U	1.6	U	1.5	U	1.6	U
60-57-1	Dieldrin	16.	U	8.	U	1.6	U	1.6	U	1.5	U	1.6	U
33213-65-9	Endosulfan II	41.	U	18.	U	3.7	U	3.7	U	3.7	U	3.7	U
50-29-3	4,4'-DDT	41.	U	18.	U	52.		3.7	U	130.		3.7	U
72-43-5	Methoxychlor	41.	U	18.	U	3.7	U	3.7	U	3.7	U	3.7	U
319-84-6	alpha-BHC	12.	U	5.2	U	1.1	U	1.1	U	1.	U	1.1	U
319-85-7	beta-BHC	12.	U	5.2	U	1.1	U	1.1	U	1.	U	1.1	U
319-86-8	delta-BHC	12.	U	5.2	U	1.1	U	1.1	U	1.	U	1.1	U
1024-57-3	Heptachlor epoxide	12.	U	5.2	U	1.1	U	1.1	U	1.	U	1.1	U
72-55-9	4,4'-DDE	41.	U	18.	U	50.		3.7	U	180.	J	6.7	J
72-20-8	Endrin	27.	U	14.	U	2.7	U	2.7	U	2.6	U	2.7	U
72-54-8	4,4'-DDD	58.	J	18.	U	3.8	J	3.7	U	14.	J	3.7	U
7421-93-4	Endrin aldehyde	12.	U	5.2	U	1.1	U	1.1	U	1.5	J	1.1	U
1031-07-8	Endosulfan sulfate	24.	U	6.	U	2.2	U	2.2	U	2.9	J	2.1	U
11096-82-5	Aroclor-1260	240.	U	100.	U	21.	U	21.	U	21.	U	21.	U
12674-11-2	Aroclor-1016	240.	U	100.	U	21.	U	21.	U	21.	U	21.	U
11104-28-2	Aroclor-1221	240.	U	100.	U	21.	U	21.	U	21.	U	21.	U
11141-16-5	Aroclor-1232	240.	U	100.	U	21.	U	21.	U	21.	U	21.	U
53469-21-9	Aroclor-1242	240.	U	100.	U	21.	U	21.	U	21.	U	21.	U
12672-29-6	Aroclor-1248	240.	U	100.	U	21.	U	21.	U	21.	U	21.	U
11097-69-1	Aroclor-1254	240.	U	100.	U	21.	U	21.	U	21.	U	21.	U
8001-35-2	Toxaphene	240.	U	100.	U	21.	U	21.	U	21.	U	21.	U
57-74-9	Chlordane	7400.		1800.		4.2	U	4.3	U	4.2	U	4.3	U
53494-70-5	Endrin ketone	NR		NR		NR		NR		NR		NR	
5103-71-9	alpha-Chlordane	NR		NR		NR		NR		NR		NR	
5103-74-2	gamma-Chlordane	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-PEST																							
	SAMPLE ID ------>	518-S-B004-01			518-C-B004-01			518-S-B004-02			518-S-B005-01			518-S-B005-02			518-S-B006-01					
	ORIGINAL ID ----->	518SB00401			518CB00401			518SB00402			518SB00501			518SB00502			518SB00601					
	LAB SAMPLE ID --->	698993			699031			698999			698982			698987			736794 R1					
	ID FROM REPORT -->	518SB00401			518CB00401			518SB00402			518SB00501			518SB00502			518SB00601					
	SAMPLE DATE ----->	04/05/95			04/05/95			04/05/95			04/05/95			04/05/95			06/28/95					
	DATE EXTRACTED -->	04/12/95			04/19/95			04/19/95			04/19/95			04/19/95			06/30/95					
	DATE ANALYZED --->	05/03/95			05/14/95			05/14/95			05/14/95			05/14/95			08/03/95					
	MATRIX ---------->	Soil			Soil			Soil			Soil			Soil			Soil					
	UNITS ----------->	UG/KG			UG/KG			UG/KG			UG/KG			UG/KG			UG/KG					
CAS #	Parameter	0004P		VAL	0005P		VAL	0005P		VAL	0005P		VAL	0005P		VAL	0021P		VAL			
58-89-9	gamma-BHC (Lindane)	3.9		J	1.		U	1.1		U	1.1		U	1.		U	0.55		U			
76-44-8	Heptachlor	8.			1.		U	1.1		U	1.1		U	1.		U	0.49		J			
309-00-2	Aldrin	1.		U	1.		U	1.1		U	1.1		U	1.		U	0.55		U			
959-98-8	Endosulfan I	1.6		U	1.6		U	1.6		U	1.6		U	1.6		U	0.82		U			
60-57-1	Dieldrin	1.6		U	1.6		U	1.6		U	1.6		U	1.6		U	3.5		J			
33213-65-9	Endosulfan II	3.6		U	3.6		U	3.7		U	3.7		U	3.7		U	1.9		U			
50-29-3	4,4'-DDT	3.6		U	12.		J	3.7		U	3.7		U	3.7		U	11.		J			
72-43-5	Methoxychlor	3.6		U	3.6		U	3.7		U	3.7		U	3.7		U	5.4		U			
319-84-6	alpha-BHC	1.		U	1.		U	1.1		U	1.1		U	1.		U	0.55		U			
319-85-7	beta-BHC	1.5		J	1.		U	1.1		U	1.1		U	1.1		U	2.5					
319-86-8	delta-BHC	1.		U	1.		U	1.1		U	1.1		U	1.		U	0.77					
1024-57-3	Heptachlor epoxide	1.		U	1.		U	1.1		U	1.1		U	1.		U	0.97					
72-55-9	4,4'-DDE	3.6		U	3.6		U	1.1		U	3.9		J	3.7		U	6.7		J			
72-20-8	Endrin	2.6		U	2.6		U	2.6		U	2.6		U	2.6		U	3.1		J			
72-54-8	4,4'-DDD	3.6		U	3.6		U	3.7		U	3.7		U	3.7		U	1.9		U			
7421-93-4	Endrin aldehyde	1.6		J	1.		U	1.1		U	1.1		U	1.		U	2.4					
1031-07-8	Endosulfan sulfate	2.1		U	2.		U	2.1		U	2.1		U	2.1		U	8.3					
11096-82-5	Aroclor-1260	21.		U	21.		U	21.		U	21.		U	21.		U	11.		U			
12674-11-2	Aroclor-1016	21.		U	21.		U	21.		U	21.		U	21.		U	11.		U			
11104-28-2	Aroclor-1221	21.		U	21.		U	21.		U	21.		U	21.		U	11.		U			
11141-16-5	Aroclor-1232	21.		U	21.		U	21.		U	21.		U	21.		U	11.		U			
53469-21-9	Aroclor-1242	21.		U	21.		U	21.		U	21.		U	21.		U	11.		U			
12672-29-6	Aroclor-1248	21.		U	21.		U	21.		U	21.		U	21.		U	11.		U			
11097-69-1	Aroclor-1254	21.		U	21.		U	21.		U	21.		U	21.		U	11.		U			
8001-35-2	Toxaphene	21.		U	21.		U	21.		U	21.		U	21.		U	11.		U			
57-74-9	Chlordane	48.			4.2		U	4.2		U	4.3		U	4.2		U	70.					
53494-70-5	Endrin ketone	NR			NR			NR			NR			NR			NR					
5103-71-9	alpha-Chlordane	NR			NR			NR			NR			NR			NR					
5103-74-2	gamma-Chlordane	NR			NR			NR			NR			NR			NR					

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-PEST	SAMPLE ID ------->	518-C-B006-01	518-S-B007-01	519-S-B001-01	519-C-B001-01	519-S-B001-02	519-S-B002-01
	ORIGINAL ID ----->	518CB00601	518SB00701	519SB00101	519CB00101	519SB00102	519SB00201
	LAB SAMPLE ID --->	736704 R1D50	736720 R1D50	706639	706645	706663	706674
	ID FROM REPORT -->	518CB00601	518SB00701	519SB00101	519CB00101	519SB00102	519SB00201
	SAMPLE DATE ----->	06/28/95	06/28/95	04/22/95	04/22/95	04/22/95	04/22/95
	DATE EXTRACTED -->	06/30/95	06/30/95	04/28/95	04/28/95	04/28/95	04/28/95
	DATE ANALYZED --->	08/03/95	08/03/95	05/16/95	05/17/95	05/17/95	05/17/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0021P	VAL	0021P	VAL	0015P	VAL	0015P	VAL	0015P	VAL	0015P	VAL
58-89-9	gamma-BHC (Lindane)	2.7	U	2.7	U	1.1	U	1.1	U	1.1	U	1.1	U
76-44-8	Heptachlor	2.7	J	2.7	U	1.1	U	1.1	U	1.1	U	1.1	U
309-00-2	Aldrin	2.7	U	2.7	U	1.1	U	1.1	U	1.1	U	1.1	U
959-98-8	Endosulfan I	4.1	U	4.1	U	1.6	U	1.6	U	1.6	U	1.6	U
60-57-1	Dieldrin	4.1	U	4.1	U	1.6	U	1.6	U	1.6	U	1.6	U
33213-65-9	Endosulfan II	3.4	J	9.6	U	3.8	U	3.8	U	3.7	U	3.7	U
50-29-3	4,4'-DDT	8.6	J	9.6	U	3.7	U	3.8	U	3.7	U	73.	J
72-43-5	Methoxychlor	32.	J	9.6	U	3.8	U	3.8	U	3.7	U	3.7	U
319-84-6	alpha-BHC	2.7	U	2.7	U	1.1	U	1.1	U	1.1	U	1.1	U
319-85-7	beta-BHC	2.7	U	3.9		1.1	U	1.1	U	1.1	U	1.1	U
319-86-8	delta-BHC	2.7	U	7.4		1.1	U	1.1	U	1.1	U	1.1	U
1024-57-3	Heptachlor epoxide	2.7	U	2.7	U	1.1	U	1.1	U	1.1	U	1.1	U
72-55-9	4,4'-DDE	9.6	U	9.6	U	3.8	U	3.8	U	3.7	U	210.	
72-20-8	Endrin	17.	J	8.1	U	2.6	U	2.6	U	2.6	U	2.6	U
72-54-8	4,4'-DDD	9.6	U	9.6	U	3.8	U	3.8	U	3.7	U	3.7	U
7421-93-4	Endrin aldehyde	1.8	J	2.7	U	1.1	U	1.1	U	1.1	U	1.1	U
1031-07-8	Endosulfan sulfate	5.1	J	1.9	J	2.2	U	2.2	U	2.1	U	2.1	U
11096-82-5	Aroclor-1260	55.	U	55.	U	22.	U	22.	U	21.	U	21.	U
12674-11-2	Aroclor-1016	55.	U	55.	U	22.	U	22.	U	21.	U	21.	U
11104-28-2	Aroclor-1221	55.	U	55.	U	22.	U	22.	U	21.	U	21.	U
11141-16-5	Aroclor-1232	55.	U	55.	U	22.	U	22.	U	21.	U	21.	U
53469-21-9	Aroclor-1242	55.	U	55.	U	22.	U	22.	U	21.	U	21.	U
12672-29-6	Aroclor-1248	55.	U	55.	U	22.	U	22.	U	21.	U	21.	U
11097-69-1	Aroclor-1254	55.	U	55.	U	22.	U	22.	U	21.	U	21.	U
8001-35-2	Toxaphene	55.	U	55.	U	22.	U	22.	U	21.	U	21.	U
57-74-9	Chlordane	55.		11.	U	4.3	U	4.3	U	4.2	U	4.2	U
53494-70-5	Endrin ketone	NR		NR		NR		NR		NR		NR	
5103-71-9	alpha-Chlordane	NR		NR		NR		NR		NR		NR	
5103-74-2	gamma-Chlordane	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-PEST													
	SAMPLE ID ------->	519-S-B002-02		519-S-B003-01		519-S-B003-02		519-S-B004-01		519-S-B004-02		519-S-B005-01	
	ORIGINAL ID ----->	519SB00202		519SB00301		519SB00302		519SB00401		519SB00402		519SB00501	
	LAB SAMPLE ID --->	706680		706686		706696		706702		706708		706715	
	ID FROM REPORT -->	519SB00202		519SB00301		519SB00302		519SB00401		519SB00402		519SB00501	
	SAMPLE DATE ----->	04/22/95		04/22/95		04/22/95		04/22/95		04/22/95		04/22/95	
	DATE EXTRACTED -->	04/28/95		04/28/95		04/28/95		04/28/95		04/28/95		04/28/95	
	DATE ANALYZED --->	05/17/95		05/17/95		05/17/95		05/17/95		05/17/95		05/17/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0015P	VAL	0015P	VAL	0015P	VAL	0015P	VAL	0015P	VAL	0015P	VAL
58-89-9	gamma-BHC (Lindane)	1.	U	1.1	U	1.	U	1.1	U	1.1	U	1.1	U
76-44-8	Heptachlor	1.	U	1.1	U	1.	U	1.1	U	1.1	U	1.1	U
309-00-2	Aldrin	1.	U	1.1	U	1.	U	1.1	U	1.1	U	1.1	U
959-98-8	Endosulfan I	1.5	U	1.6	U	1.5	U	1.6	U	1.6	U	1.6	U
60-57-1	Dieldrin	1.5	U	1.6	U	1.5	U	1.6	U	1.6	U	1.6	U
33213-65-9	Endosulfan II	3.6	U	3.8	U	3.6	U	3.8	U	3.7	U	3.7	U
50-29-3	4,4'-DDT	3.6	U	4.9	J	3.6	U	3.8	U	3.7	U	3.7	U
72-43-5	Methoxychlor	3.6	U	3.8	U	3.6	U	3.8	U	3.7	U	3.7	U
319-84-6	alpha-BHC	1.	U	1.1	U	1.	U	1.1	U	1.1	U	1.1	U
319-85-7	beta-BHC	1.	U	1.1	U	1.	U	1.1	U	1.1	U	1.1	U
319-86-8	delta-BHC	1.	U	1.1	U	1.	U	1.1	U	1.1	U	1.1	U
1024-57-3	Heptachlor epoxide	1.	U	1.1	U	1.	U	1.1	U	1.1	U	1.1	U
72-55-9	4,4'-DDE	3.6	U	17.		3.6	U	3.8	U	3.7	U	3.7	U
72-20-8	Endrin	2.6	U	2.7	U	2.6	U	2.7	U	2.6	U	2.7	U
72-54-8	4,4'-DDD	3.6	U	3.8	U	3.6	U	3.8	U	3.7	U	3.7	U
7421-93-4	Endrin aldehyde	1.	U	1.1	U	1.	U	1.1	U	1.1	U	1.1	U
1031-07-8	Endosulfan sulfate	2.1	U	2.1	U	2.1	U	2.2	U	2.1	U	2.1	U
11096-82-5	Aroclor-1260	21.	U	22.	U	21.	U	22.	U	21.	U	21.	U
12674-11-2	Aroclor-1016	21.	U	22.	U	21.	U	22.	U	21.	U	21.	U
11104-28-2	Aroclor-1221	21.	U	22.	U	21.	U	22.	U	21.	U	21.	U
11141-16-5	Aroclor-1232	21.	U	22.	U	21.	U	22.	U	21.	U	21.	U
53469-21-9	Aroclor-1242	21.	U	22.	U	21.	U	22.	U	21.	U	21.	U
12672-29-6	Aroclor-1248	21.	U	22.	U	21.	U	22.	U	21.	U	21.	U
11097-69-1	Aroclor-1254	21.	U	22.	U	21.	U	22.	U	21.	U	21.	U
8001-35-2	Toxaphene	21.	U	22.	U	21.	U	22.	U	21.	U	21.	U
57-74-9	Chlordane	4.1	U	4.3	U	4.1	U	4.3	U	4.2	U	4.3	U
53494-70-5	Endrin ketone	NR		NR		NR		NR		NR		NR	
5103-71-9	alpha-Chlordane	NR		NR		NR		NR		NR		NR	
5103-74-2	gamma-Chlordane	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-PEST						
SAMPLE ID ------>	519-S-B005-02	519-S-B006-01	519-S-B006-02	520-S-B001-01	520-S-B001-02	520-S-B002-01
ORIGINAL ID ----->	519SB00502	519SB00601	519SB00602	520SB00101	520SB00102	520SB00201
LAB SAMPLE ID --->	706722	706731	706737	700530 D11	700538	700545
ID FROM REPORT -->	519SB00502	519SB00601	519SB00602	520SB00101	520SB00102	520SB00201
SAMPLE DATE ----->	04/22/95	04/22/95	04/22/95	04/07/95	04/07/95	04/07/95
DATE EXTRACTED -->	04/28/95	04/28/95	04/28/95	04/13/95	04/13/95	04/13/95
DATE ANALYZED --->	05/17/95	05/17/95	05/17/95	05/03/95	05/03/95	05/03/95
MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0015P	VAL	0015P	VAL	0015P	VAL	0005P	VAL	0005P	VAL	0005P	VAL
58-89-9	gamma-BHC (Lindane)	1.1	U	1.1	U	1.1	U	10.	U	1.	U	1.1	U
76-44-8	Heptachlor	1.1	U	1.1	U	1.1	U	10.	U	1.	U	1.1	U
309-00-2	Aldrin	1.1	U	1.1	U	1.1	U	10.	U	1.	U	1.1	U
959-98-8	Endosulfan I	1.6	U	1.6	U	1.6	U	15.	U	1.5	U	1.6	U
60-57-1	Dieldrin	1.6	U	1.6	U	1.6	U	15.	U	1.5	U	1.6	U
33213-65-9	Endosulfan II	3.7	U	3.7	U	3.7	U	3.5	U	3.6	U	3.7	U
50-29-3	4,4'-DDT	3.7	U	3.7	U	3.7	U	3.5	U	3.6	U	50.	J
72-43-5	Methoxychlor	3.7	U	3.7	U	3.7	U	3.5	U	3.6	U	3.7	U
319-84-6	alpha-BHC	1.1	U	1.1	U	1.1	U	10.	U	1.	U	1.1	U
319-85-7	beta-BHC	1.1	U	1.1	U	1.1	U	10.	U	1.	U	1.1	U
319-86-8	delta-BHC	1.1	U	1.1	U	1.1	U	10.	U	1.	U	1.1	U
1024-57-3	Heptachlor epoxide	1.1	U	1.1	U	1.1	U	10.	U	1.	U	2.4	J
72-55-9	4,4'-DDE	3.7	U	3.7	U	3.7	U	34.	J	3.6	U	89.	J
72-20-8	Endrin	2.7	U	2.7	U	2.7	U	25.	U	2.7	U	2.7	U
72-54-8	4,4'-DDD	3.7	U	3.7	U	3.7	U	35.	U	3.6	U	5.4	J
7421-93-4	Endrin aldehyde	1.1	U	1.1	U	1.1	U	10.	U	1.	U	1.9	J
1031-07-8	Endosulfan sulfate	2.1	U	2.1	U	2.1	U	20.	U	2.1	U	2.1	U
11096-82-5	Aroclor-1260	21.	U	21.	U	21.	U	210.	U	20.	U	21.	U
12674-11-2	Aroclor-1016	21.	U	21.	U	21.	U	210.	U	20.	U	21.	U
11104-28-2	Aroclor-1221	21.	U	21.	U	21.	U	210.	U	20.	U	21.	U
11141-16-5	Aroclor-1232	21.	U	21.	U	21.	U	210.	U	20.	U	21.	U
53469-21-9	Aroclor-1242	21.	U	21.	U	21.	U	210.	U	20.	U	21.	U
12672-29-6	Aroclor-1248	21.	U	21.	U	21.	U	210.	U	20.	U	21.	U
11097-69-1	Aroclor-1254	21.	U	21.	U	21.	U	210.	U	20.	U	21.	U
8001-35-2	Toxaphene	21.	U	21.	U	21.	U	210.	U	20.	U	21.	U
57-74-9	Chlordane	4.3	U	4.3	U	4.3	U	520.	J	23.	J	540.	J
53494-70-5	Endrin ketone	NR		NR		NR		NR		NR		NR	
5103-71-9	alpha-Chlordane	NR		NR		NR		NR		NR		NR	
5103-74-2	gamma-Chlordane	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-PEST													
	SAMPLE ID ------->	520-S-B002-02		520-S-B003-01		520-S-B003-02		520-C-B003-02		520-S-B004-01		520-S-B004-02	
	ORIGINAL ID ----->	520SB00202		520SB00301		520SB00302		520CB00302		520SB00401		520SB00402	
	LAB SAMPLE ID --->	700550		700555		700560		701020 R1		700571 R1		700586 R1	
	ID FROM REPORT -->	520SB00202		520SB00301		520SB00302		520CB00302		520SB00401		520SB00402	
	SAMPLE DATE ----->	04/07/95		04/07/95		04/07/95		04/07/95		04/07/95		04/07/95	
	DATE EXTRACTED -->	04/13/95		04/13/95		04/13/95		05/04/95		05/04/95		05/04/95	
	DATE ANALYZED --->	05/03/95		05/03/95		05/03/95		05/12/95		05/12/95		05/12/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0005P	VAL	0005P	VAL	0005P	VAL	0006P	VAL	0006P	VAL	0006P	VAL
58-89-9	gamma-BHC (Lindane)	5.1	U	1.1	U	1.	U	1.	UJ	1.	UJ	1.	UJ
76-44-8	Heptachlor	5.1	U	1.1	U	1.	U	1.	UJ	1.	UJ	1.	UJ
309-00-2	Aldrin	5.1	U	1.1	U	1.	U	1.	UJ	1.	UJ	1.	UJ
959-98-8	Endosulfan I	7.7	U	1.6	U	1.5	U	1.5	UJ	1.6	UJ	1.5	UJ
60-57-1	Dieldrin	7.7	U	1.6	U	1.5	U	1.5	UJ	1.6	UJ	1.5	UJ
33213-65-9	Endosulfan II	18.	U	3.7	U	3.6	U	3.6	UJ	3.8	J	4.	
50-29-3	4,4'-DDT	18.	U	3.7	U	3.6	U	3.6	U	3.6	U	3.6	UJ
72-43-5	Methoxychlor	18.	U	3.7	U	3.6	J	3.6	U	3.6	U	3.6	UJ
319-84-6	alpha-BHC	5.1	U	1.1	U	1.	U	1.	UJ	1.	UJ	1.	UJ
319-85-7	beta-BHC	5.1	U	1.1	U	1.	U	1.	UJ	1.	UJ	1.	UJ
319-86-8	delta-BHC	5.1	U	1.1	U	1.	U	1.	UJ	1.	UJ	1.	UJ
1024-57-3	Heptachlor epoxide	5.1	U	1.1	U	1.	U	1.	UJ	1.	UJ	1.	UJ
72-55-9	4,4'-DDE	19.	J	3.7	U	3.6	U	3.6	UJ	3.6	UJ	3.6	UJ
72-20-8	Endrin	14.	U	2.7	U	2.	U	2.6	UJ	2.6	UJ	2.6	UJ
72-54-8	4,4'-DDD	18.	U	3.7	U	3.6	U	12.	J	3.6	UJ	3.6	UJ
7421-93-4	Endrin aldehyde	5.1	U	1.1	U	1.	U	1.	UJ	1.	U	1.	UJ
1031-07-8	Endosulfan sulfate	10.	U	2.1	U	2.1	U	2.1	J	2.1	U	4.8	J
11096-82-5	Aroclor-1260	100.	U	22.	U	20.	U	20.	UJ	21.	UJ	20.	UJ
12674-11-2	Aroclor-1016	100.	U	22.	U	20.	U	20.	UJ	21.	UJ	20.	UJ
11104-28-2	Aroclor-1221	100.	U	22.	U	20.	U	20.	UJ	21.	UJ	20.	UJ
11141-16-5	Aroclor-1232	100.	U	22.	U	20.	U	20.	UJ	21.	UJ	20.	UJ
53469-21-9	Aroclor-1242	100.	U	22.	U	20.	U	20.	UJ	21.	UJ	20.	UJ
12672-29-6	Aroclor-1248	100.	U	22.	U	20.	U	20.	UJ	21.	UJ	20.	UJ
11097-69-1	Aroclor-1254	100.	U	22.	U	20.	U	20.	UJ	21.	UJ	20.	UJ
8001-35-2	Toxaphene	100.	U	22.	U	20.	U	20.	UJ	21.	UJ	20.	UJ
57-74-9	Chlordane	98.	J	4.4	U	4.1	U	4.1	UJ	4.1	UJ	4.1	UJ
53494-70-5	Endrin ketone	NR		NR		NR		NR		NR		NR	
5103-71-9	alpha-Chlordane	NR		NR		NR		NR		NR		NR	
5103-74-2	gamma-Chlordane	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-PEST	SAMPLE ID ------>	520-S-B005-01	520-S-B005-02	520-S-B006-01	520-S-B006-02	520-S-B007-01	520-S-B008-01
	ORIGINAL ID ----->	520SB00501	520SB00502	520SB00601	520SB00602	520SB00701	520SB00801
	LAB SAMPLE ID --->	700591 R1	700596 R1D50	700601 R1	700606 R1	736728 R1	736731 R1
	ID FROM REPORT -->	520SB00501	520SB00502	520SB00601	520SB00602	520SB00701	520SB00801
	SAMPLE DATE ----->	04/07/95	04/07/95	04/07/95	04/07/95	06/28/95	06/28/95
	DATE EXTRACTED -->	05/04/95	05/04/95	05/04/95	05/04/95	06/30/95	06/30/95
	DATE ANALYZED --->	05/12/95	05/12/95	05/12/95	05/12/95	08/03/95	08/03/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ----------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0006P	VAL	0006P	VAL	0006P	VAL	0006P	VAL	0021P	VAL	0021P	VAL
58-89-9	gamma-BHC (Lindane)	1.	UJ	5.1	UJ	1.1	UJ	1.	UJ	0.54	U	0.52	U
76-44-8	Heptachlor	8.5	J	5.1	U	1.4	J	2.2	J	0.54	U	0.52	J
309-00-2	Aldrin	1.	U	5.1	U	1.1	U	1.	UJ	0.54	U	0.52	U
959-98-8	Endosulfan I	1.5	U	7.7	UJ	4.2	J	1.5	UJ	0.82	U	0.77	U
60-57-1	Dieldrin	1.5	U	7.7	UJ	8.4	J	1.5	UJ	2.5		0.83	U
33213-65-9	Endosulfan II	3.6	U	18.	U	4.3	J	3.7	J	8.8		1.9	U
50-29-3	4,4'-DDT	3.6	U	18.	UJ	3.9	J	3.6	U	67.		69.	
72-43-5	Methoxychlor	3.6	U	18.	UJ	3.7	UJ	3.6	U	5.4	U	5.2	U
319-84-6	alpha-BHC	1.	U	5.1	UJ	1.1	UJ	1.	UJ	0.54	U	0.52	U
319-85-7	beta-BHC	1.	U	5.1	UJ	1.1	UJ	1.	UJ	0.47	J	0.56	
319-86-8	delta-BHC	1.3	J	5.1	U	1.1	UJ	1.	UJ	0.54	U	0.52	U
1024-57-3	Heptachlor epoxide	1.	U	5.1	U	1.1	UJ	1.	UJ	0.54	U	0.93	
72-55-9	4,4'-DDE	3.6	U	18.	UJ	3.6	UJ	3.6	UJ	78.		110.	
72-20-8	Endrin	2.6	U	13.	UJ	2.6	UJ	2.6	UJ	0.57	J	0.3	J
72-54-8	4,4'-DDD	3.6	U	18.	UJ	3.6	UJ	3.6	UJ	4.6		3.6	
7421-93-4	Endrin aldehyde	1.	U	5.1	UJ	1.1	UJ	1.	UJ	0.64		0.63	
1031-07-8	Endosulfan sulfate	2.1	UJ	10.	UJ	2.6	J	2.1	U	4.6		2.4	
11096-82-5	Aroclor-1260	21.	UJ	100.	UJ	21.	UJ	20.	UJ	11.	U	10.	U
12674-11-2	Aroclor-1016	21.	UJ	100.	UJ	21.	UJ	20.	UJ	11.	U	10.	U
11104-28-2	Aroclor-1221	21.	UJ	100.	UJ	21.	UJ	20.	UJ	11.	U	10.	U
11141-16-5	Aroclor-1232	21.	UJ	100.	UJ	21.	UJ	20.	UJ	11.	U	10.	U
53469-21-9	Aroclor-1242	21.	UJ	100.	UJ	21.	UJ	20.	UJ	11.	U	10.	U
12672-29-6	Aroclor-1248	21.	UJ	100.	UJ	21.	UJ	20.	UJ	11.	U	10.	U
11097-69-1	Aroclor-1254	21.	UJ	100.	UJ	21.	UJ	20.	UJ	11.	U	10.	U
8001-35-2	Toxaphene	21.	UJ	100.	UJ	21.	UJ	20.	UJ	11.	U	10.	U
57-74-9	Chlordane	1400.	J	290.	J	880.	J	170.	J	100.		23.	
53494-70-5	Endrin ketone	NR		NR		NR		NR		NR		NR	
5103-71-9	alpha-Chlordane	NR		NR		NR		NR		NR		NR	
5103-74-2	gamma-Chlordane	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-PEST						
SAMPLE ID ------->	523-S-B001-01	523-S-B001-02	523-S-B002-01	523-S-B002-02	523-C-B002-02	523-G-W001-01
ORIGINAL ID ----->	523SB00101	523SB00102	523SB00201	523SB00202	523CB00202	523GW00101
LAB SAMPLE ID --->	697995	698007	698001	697989	698013	732764
ID FROM REPORT -->	523SB00101	523SB00102	523SB00201	523SB00202	523CB00202	523GW00101
SAMPLE DATE ----->	04/03/95	04/03/95	04/03/95	04/03/95	04/03/95	06/15/95
DATE EXTRACTED -->	04/12/95	04/12/95	04/12/95	04/12/95	04/12/95	06/21/95
DATE ANALYZED --->	04/26/95	04/26/95	04/26/95	04/26/95	04/26/95	06/27/95
MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Water
UNITS ----------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/L

CAS #	Parameter	0004P	VAL	0004P	VAL	0004P	VAL	0004P	VAL	0004P	VAL	0018P	VAL
58-89-9	gamma-BHC (Lindane)	1.1	U	1.2	U	1.1	U	1.1	U	1.1	U	0.03	U
76-44-8	Heptachlor	1.3		1.2	U	1.1	U	1.1	U	0.058	J	0.03	U
309-00-2	Aldrin	1.1	U	1.2	U	1.1	U	1.1	U	1.1	U	0.03	U
959-98-8	Endosulfan I	1.6	U	1.8	U	1.6	U	1.6	U	0.24	J	0.05	U
60-57-1	Dieldrin	1.6	U	1.8	U	1.6	U	1.6	U	0.1	J	0.03	U
33213-65-9	Endosulfan II	3.7	U	4.2	U	4.	U	4.	U	0.15	J	0.1	U
50-29-3	4,4'-DDT	3.7	U	4.2	U	22.		0.32	U	0.5	J	0.1	U
72-43-5	Methoxychlor	3.7	U	4.2	U	14.	J	0.64	J	0.49	J	0.3	U
319-84-6	alpha-BHC	1.1	U	1.2	U	1.1	U	1.1	U	0.0058	J	0.03	U
319-85-7	beta-BHC	1.1	U	1.2	U	1.1	U	1.1	U	1.1	U	0.03	U
319-86-8	delta-BHC	1.1	U	1.2	U	1.1	U	1.1	U	0.07	J	0.03	U
1024-57-3	Heptachlor epoxide	1.1	U	1.2	U	1.1	U	1.1	U	1.1	U	0.03	U
72-55-9	4,4'-DDE	3.7	U	4.2	U	14.		4.	U	4.	U	0.1	U
72-20-8	Endrin	2.7	U	2.8	U	2.7	J	0.83	J	0.32	J	0.05	U
72-54-8	4,4'-DDD	3.7	U	4.2	U	4.	J	0.15	J	0.15	J	0.1	U
7421-93-4	Endrin aldehyde	1.4	J	1.2	U	5.4	J	1.1	U	0.1	J	0.03	U
1031-07-8	Endosulfan sulfate	2.1	U	2.2	U	2.1	U	0.12	J	0.069	J	0.05	U
11096-82-5	Aroclor-1260	22.	U	24.	U	22.	U	23.	U	23.	U	0.5	U
12674-11-2	Aroclor-1016	22.	U	24.	U	22.	U	23.	U	23.	U	0.5	U
11104-28-2	Aroclor-1221	22.	U	24.	U	22.	U	23.	U	23.	U	0.5	U
11141-16-5	Aroclor-1232	22.	U	24.	U	22.	U	23.	U	23.	U	0.5	U
53469-21-9	Aroclor-1242	22.	U	24.	U	22.	U	23.	U	23.	U	0.5	U
12672-29-6	Aroclor-1248	22.	U	24.	U	22.	U	23.	U	23.	U	0.5	U
11097-69-1	Aroclor-1254	22.	U	24.	U	22.	U	23.	U	23.	U	0.5	U
8001-35-2	Toxaphene	22.	U	24.	U	22.	U	23.	U	23.	U	1.	U
57-74-9	Chlordane	4.4	U	4.8	U	4.3	U	4.5	U	4.5	U	0.12	U
53494-70-5	Endrin ketone	NR		NR		NR		NR		NR		NR	
5103-71-9	alpha-Chlordane	NR		NR		NR		NR		NR		NR	
5103-74-2	gamma-Chlordane	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-PEST													
	SAMPLE ID ------->	523-H-W001-01		523-G-W002-01		GDC-S-B001-01		GDC-S-B001-02		GDC-S-B002-01		GDC-S-B003-01	
	ORIGINAL ID ----->	523HW00101		523GW00201		GRDSB00101		GRDSB00102		GRDSB00201		GRDSB00301	
	LAB SAMPLE ID --->	732774		730816		690540 D21		690541		689920		691119	
	ID FROM REPORT -->	523HW00101		523GW00201		GRDSB00101		GRDSB00102		GRDSB00201		GRDSB00301	
	SAMPLE DATE ----->	06/15/95		06/12/95		03/15/95		03/15/95		03/13/95		03/17/95	
	DATE EXTRACTED -->	06/21/95		06/16/95		03/22/95		03/22/95		03/18/95		03/22/95	
	DATE ANALYZED --->	06/25/95		06/26/95		03/23/95		03/23/95		03/31/95		03/30/95	
	MATRIX ---------->	Water		Water		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/L		UG/L		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0018P	VAL	0017P	VAL	0001P	VAL	0001P	VAL	0001P	VAL	0002P	VAL
58-89-9	gamma-BHC (Lindane)	0.03	U	0.03	U	22.	U	1.	U	1.1	U	1.1	U
76-44-8	Heptachlor	0.03	U	0.03	U	22.	U	1.	U	1.1	U	1.1	U
309-00-2	Aldrin	0.03	U	0.03	U	22.	U	1.	U	1.1	U	1.1	U
959-98-8	Endosulfan I	0.05	U	0.05	U	33.	U	1.6	U	1.6	U	1.7	U
60-57-1	Dieldrin	0.03	U	0.03	U	33.	U	1.6	U	1.6	U	1.7	U
33213-65-9	Endosulfan II	0.1	U	0.1	U	77.	U	3.7	U	3.9	U	3.9	U
50-29-3	4,4'-DDT	0.1	U	0.1	U	3900.		21.	J	3.9	U	9.8	
72-43-5	Methoxychlor	0.3	U	0.3	U	77.	U	3.7	U	3.9	U	4.	U
319-84-6	alpha-BHC	0.03	U	0.03	U	22.	U	1.	U	1.1	U	1.1	U
319-85-7	beta-BHC	0.03	U	0.03	U	22.	U	1.	U	1.1	U	1.1	U
319-86-8	delta-BHC	0.03	U	0.03	U	22.	U	1.	U	1.1	U	1.1	U
1024-57-3	Heptachlor epoxide	0.03	U	0.03	U	22.	U	1.	U	1.1	U	1.1	U
72-55-9	4,4'-DDE	0.1	U	0.1	U	4000.		28.		3.9	U	9.6	
72-20-8	Endrin	0.05	U	0.05	U	56.	U	2.6	U	2.7	U	2.7	U
72-54-8	4,4'-DDD	0.1	U	0.1	U	1000.	J	8.7	J	3.9	U	3.9	U
7421-93-4	Endrin aldehyde	0.03	U	0.03	U	22.	J	1.	U	1.1	U	1.1	U
1031-07-8	Endosulfan sulfate	0.05	U	0.05	U	44.	U	2.1	U	2.1	U	2.3	U
11096-82-5	Aroclor-1260	0.5	U	0.5	U	450.		21.	U	22.	U	23.	U
12674-11-2	Aroclor-1016	0.5	U	0.5	U	440.	U	21.	U	22.	U	23.	U
11104-28-2	Aroclor-1221	0.5	U	0.5	U	440.	U	21.	U	22.	U	23.	U
11141-16-5	Aroclor-1232	0.5	U	0.5	U	440.	U	21.	U	22.	U	23.	U
53469-21-9	Aroclor-1242	0.5	U	0.5	U	440.	U	21.	U	22.	U	23.	U
12672-29-6	Aroclor-1248	0.5	U	0.5	U	440.	U	21.	U	22.	U	23.	U
11097-69-1	Aroclor-1254	0.5	U	0.5	U	440.	U	21.	U	22.	U	23.	U
8001-35-2	Toxaphene	1.	U	1.	U	440.	U	21.	U	22.	U	23.	U
57-74-9	Chlordane	0.12	U	0.12	U	90.	U	4.2	U	4.4	U	14.	
53494-70-5	Endrin ketone	NR		NR		NR		NR		NR		NR	
5103-71-9	alpha-Chlordane	NR		NR		NR		NR		NR		NR	
5103-74-2	gamma-Chlordane	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-PEST													
	SAMPLE ID ------>	GDC-S-B004-01		GDC-S-B004-02		GDC-S-B005-01		GDC-S-B006-01		GDC-S-B007-01		GDC-S-B008-01	
	ORIGINAL ID ----->	GRDSB00401		GRDSB00402		GRDSB00501		GRDSB00601		GRDSB00701		GRDSB00801	
	LAB SAMPLE ID --->	703504		703510 D50		691095		691082		703439		691125	
	ID FROM REPORT -->	GRDSB00401		GRDSB00402		GRDSB00501		GRDSB00601		GRDSB00701		GRDSB00801	
	SAMPLE DATE ----->	04/14/95		04/14/95		03/17/95		03/17/95		04/14/95		03/17/95	
	DATE EXTRACTED -->	04/25/95		04/25/95		03/22/95		03/22/95		04/25/95		03/22/95	
	DATE ANALYZED --->	05/13/95		05/23/95		03/30/95		03/25/95		05/12/95		03/30/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0012P	VAL	0012P	VAL	0002P	VAL	0001P	VAL	0010P	VAL	0002P	VAL
58-89-9	gamma-BHC (Lindane)	1.1	U	9.3	U	1.2	U	1.2	U	1.1	U	1.1	U
76-44-8	Heptachlor	1.1	U	9.3	U	1.2	U	1.2	U	1.1	U	1.1	U
309-00-2	Aldrin	1.1	U	9.3	U	1.2	U	1.2	U	1.1	U	1.1	U
959-98-8	Endosulfan I	2.8	J	14.	U	1.7	U	1.7	U	2.2	J	1.7	U
60-57-1	Dieldrin	1.6	U	14.	U	1.7	U	1.7	U	5.2	J	1.7	U
33213-65-9	Endosulfan II	4.	U	33.	U	3.9	U	3.9	U	3.7	U	3.9	U
50-29-3	4,4'-DDT	5.5	J	33.	U	3.9	U	3.9	U	26.		3.9	U
72-43-5	Methoxychlor	4.	U	6.4	J	3.9	U	3.9	U	3.7	U	3.9	U
319-84-6	alpha-BHC	0.12	J	2.4	J	1.2	U	1.2	U	1.1	U	1.1	U
319-85-7	beta-BHC	0.53	J	2.4	J	1.2	U	1.2	U	1.1	U	1.1	U
319-86-8	delta-BHC	0.26	J	9.3	U	1.2	U	1.2	U	1.1	U	1.1	U
1024-57-3	Heptachlor epoxide	0.21	J	9.3	U	1.2	U	1.2	U	2.2	J	1.1	U
72-55-9	4,4'-DDE	43.	J	33.	U	31.		8.8	J	3.7	U	3.9	U
72-20-8	Endrin	5.8	J	23.	U	2.7	U	2.7	U	2.6	U	2.8	U
72-54-8	4,4'-DDD	39.	J	33.	U	4.5	J	7.3	J	3.8	J	3.9	U
7421-93-4	Endrin aldehyde	1.1	U	9.3	U	1.2	U	1.7	J	13.	J	1.1	U
1031-07-8	Endosulfan sulfate	2.2	U	7.9	J	2.3	U	2.3	U	2.3	U	2.1	U
11096-82-5	Aroclor-1260	23.	U	190.	U	23.	U	96.	J	22.	U	14.	J
12674-11-2	Aroclor-1016	23.	U	190.	U	23.	U	23.	U	22.	U	22.	U
11104-28-2	Aroclor-1221	23.	U	190.	U	23.	U	23.	U	22.	U	22.	U
11141-16-5	Aroclor-1232	23.	U	190.	U	23.	U	23.	U	22.	U	22.	U
53469-21-9	Aroclor-1242	23.	U	190.	U	23.	U	23.	U	22.	U	22.	U
12672-29-6	Aroclor-1248	23.	U	190.	U	23.	U	23.	U	22.	U	22.	U
11097-69-1	Aroclor-1254	23.	U	190.	U	23.	U	23.	U	22.	U	22.	U
8001-35-2	Toxaphene	23.	U	190.	U	23.	U	23.	U	22.	U	22.	U
57-74-9	Chlordane	4.5	U	37.	U	4.6	U	4.7	U	4.3	U	4.4	U
53494-70-5	Endrin ketone	NR		NR		NR		NR		NR		NR	
5103-71-9	alpha-Chlordane	NR		NR		NR		NR		NR		NR	
5103-74-2	gamma-Chlordane	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-PEST													
	SAMPLE ID ------>	GDC-S-B008-02		GDC-S-B009-01		GDC-S-B009-02		GDC-C-B013-01		GDC-C-B017-01		GDC-C-B023-02	
	ORIGINAL ID ----->	GRDSB00802		GRDSB00901		GRDSB00902		GRDCB01301		GRDCB01701		GRDCB02302	
	LAB SAMPLE ID --->	691131 D11		696972		697005		702011		702577		701993	
	ID FROM REPORT -->	GRDSB00802		GRDSB00901		GRDSB00902		GRDCB01301		GRDCB01701		GRDCB02302	
	SAMPLE DATE ----->	03/17/95		03/31/95		03/31/95		04/10/95		04/10/95		04/10/95	
	DATE EXTRACTED -->	03/22/95		04/10/95		04/10/95		04/24/95		04/15/95		04/24/95	
	DATE ANALYZED --->	03/30/95		04/20/95		04/20/95		05/01/95		05/07/95		05/01/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0002P	VAL	0003P	VAL	0003P	VAL	0006P	VAL	0010P	VAL	0006P	VAL
58-89-9	gamma-BHC (Lindane)	12.	U	1.1	U	1.3	J	1.	UJ	1.1	U	1.	U
76-44-8	Heptachlor	12.	U	1.1	U	1.1	U	1.9	J	1.3	J	1.	U
309-00-2	Aldrin	12.	U	1.5	J	1.1	U	1.3	J	1.1	J	1.	U
959-98-8	Endosulfan I	18.	U	1.7	U	1.7	U	1.6	U	3.1	J	1.6	U
60-57-1	Dieldrin	18.	U	51.		4.	J	18.	J	1.7	U	1.6	U
33213-65-9	Endosulfan II	42.	U	14.	J	3.9	U	3.6	U	3.7	U	3.6	U
50-29-3	4,4'-DDT	49.	J	3.9	U	25.		65.	J	24.	J	8.6	J
72-43-5	Methoxychlor	42.	U	1.1		3.9	U	3.5		31.	J	3.6	U
319-84-6	alpha-BHC	12.	U	1.1	U	1.1	U	1.	U	1.1	U	1.	U
319-85-7	beta-BHC	12.	U	1.1	U	1.1	U	31.	J	1.1	U	1.	U
319-86-8	delta-BHC	12.	U	1.1	U	1.1	U	1.	U	1.9	J	1.	U
1024-57-3	Heptachlor epoxide	12.	U	1.1	U	1.2	J	1.5	J	2.9	J	1.	U
72-55-9	4,4'-DDE	42.	U	19.		110.		26.	J	4.4	J	11.	J
72-20-8	Endrin	30.	U	4.3	J	3.9	U	2.7	U	2.7	U	2.6	U
72-54-8	4,4'-DDD	42.	U	3.9	U	59.		5.8	J	3.7	U	3.6	U
7421-93-4	Endrin aldehyde	12.	U	1.1	U	1.1	U	1.	U	2.9	J	1.	U
1031-07-8	Endosulfan sulfate	24.	U	2.3	U	2.1	U	3.	J	2.2	U	2.1	U
11096-82-5	Aroclor-1260	1800.	J	190.		69.		21.	U	22.	U	21.	U
12674-11-2	Aroclor-1016	240.	U	23.	U	23.	U	21.	U	22.	U	21.	U
11104-28-2	Aroclor-1221	240.	U	23.	U	23.	U	21.	U	22.	U	21.	U
11141-16-5	Aroclor-1232	240.	U	23.	U	23.	U	21.	U	22.	U	21.	U
53469-21-9	Aroclor-1242	240.	U	23.	U	23.	U	21.	U	22.	U	21.	U
12672-29-6	Aroclor-1248	240.	U	23.	U	23.	U	21.	U	22.	U	21.	U
11097-69-1	Aroclor-1254	240.	U	23.	U	23.	U	21.	U	22.	U	21.	U
8001-35-2	Toxaphene	240.	U	23.	U	23.	U	21.	U	22.	U	21.	U
57-74-9	Chlordane	48.	U	200.	J	400.	J	290.	J	4.5	U	4.1	U
53494-70-5	Endrin ketone	NR		NR		NR		NR		NR		NR	
5103-71-9	alpha-Chlordane	NR		NR		NR		NR		NR		NR	
5103-74-2	gamma-Chlordane	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-PEST																							
	SAMPLE ID ------->	GDC-C-B035-02			GDC-S-B038-01			GDC-S-B038-02			GDC-S-B039-01			GDC-S-B039-02			GDC-S-B040-01		
	ORIGINAL ID ----->	GRDCB03502			GDCSB03801			GDCSB03802			GDCSB03901			GDCSB03902			GDCSB04001		
	LAB SAMPLE ID --->	702426			737124			737173			737221 D50			737241 D11			737247		
	ID FROM REPORT -->	GRDCB03502			GDCSB03801			GDCSB03802			GDCSB03901			GDCSB03902			GDCSB04001		
	SAMPLE DATE ----->	04/12/95			06/29/95			06/29/95			06/29/95			06/29/95			06/29/95		
	DATE EXTRACTED -->	04/15/95			07/06/95			07/06/95			07/06/95			07/06/95			07/06/95		
	DATE ANALYZED --->	05/07/95			07/14/95			08/09/95			07/14/95			07/14/95			07/14/95		
	MATRIX ---------->	Soil			Soil			Soil			Soil			Soil			Soil		
	UNITS ---------->	UG/KG			UG/KG			UG/KG			UG/KG			UG/KG			UG/KG		
CAS #	Parameter	0010P		VAL	0021P		VAL	0021P		VAL	0022P		VAL	0022P		VAL	0022P		VAL
58-89-9	gamma-BHC (Lindane)	1.3		U	0.55		UJ	0.52		U	2.1		J	5.4		U	1.7		J
76-44-8	Heptachlor	1.3		U	5.6		J	0.059		J	2.7		U	5.4		U	0.56		U
309-00-2	Aldrin	1.3		U	0.55		UJ	0.52		U	1.4		J	1.6		J	1.7		J
959-98-8	Endosulfan I	1.9		U	0.83		U	0.83		U	4.		U	8.		U	0.83		U
60-57-1	Dieldrin	1.9		U	2.2		J	0.83		U	8.2			4.6		J	0.53		J
33213-65-9	Endosulfan II	4.4		U	7.2			0.21		J	40.			14.		J	3.1		J
50-29-3	4,4'-DDT	4.4		U	48.		J	1.3		J	97.			12.		J	25.		J
72-43-5	Methoxychlor	4.4		U	5.5		U	5.2		U	4.3		J	3.4		J	16.		J
319-84-6	alpha-BHC	1.3		U	0.55		U	0.52		U	2.7		U	5.4		J	0.56		U
319-85-7	beta-BHC	1.3		U	0.55		U	1.3			2.7		U	5.4		U	0.56		U
319-86-8	delta-BHC	1.3		U	0.87		U	0.52		U	6.8			9.8			1.		J
1024-57-3	Heptachlor epoxide	1.3		U	1.2			0.52		U	10.			21.			1.8		J
72-55-9	4,4'-DDE	4.4		U	9.7			1.8		U	19.			21.			3.		J
72-20-8	Endrin	3.2		U	1.9		UJ	1.8		U	24.			14.			11.		J
72-54-8	4,4'-DDD	4.4		U	4.			1.8		U	4.9		J	1.8		J	1.7		U
7421-93-4	Endrin aldehyde	1.3		U	0.55		U	0.52		U	14.			3.5		J	0.43		J
1031-07-8	Endosulfan sulfate	2.5		U	1.		J	1.		U	2.		J	5.4		U	1.7		J
11096-82-5	Aroclor-1260	25.		U	11.		U	10.		U	54.		U	110.		U	11.		U
12674-11-2	Aroclor-1016	25.		U	11.		U	10.		U	54.		U	110.		U	11.		U
11104-28-2	Aroclor-1221	25.		U	11.		U	10.		U	54.		U	110.		U	11.		U
11141-16-5	Aroclor-1232	25.		U	11.		U	10.		U	54.		U	110.		U	11.		U
53469-21-9	Aroclor-1242	25.		U	11.		U	10.		U	54.		U	110.		U	11.		U
12672-29-6	Aroclor-1248	25.		U	11.		U	10.		U	54.		U	110.		U	11.		U
11097-69-1	Aroclor-1254	25.		U	11.		UR	10.		U	54.		U	110.		U	11.		U
8001-35-2	Toxaphene	25.		U	11.		U	10.		U	54.		U	110.		U	11.		U
57-74-9	Chlordane	5.1		U	200.			2.1		U	680.			2800.			100.		J
53494-70-5	Endrin ketone	NR			NR			NR			NR			NR			NR		
5103-71-9	alpha-Chlordane	NR			NR			NR			NR			NR			NR		
5103-74-2	gamma-Chlordane	NR			NR			NR			NR			NR			NR		

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-PEST						
SAMPLE ID ------->	GDC-S-B045-01	GDC-C-B045-01	GDC-S-B046-01	GDC-S-B047-01	GDC-S-B048-01	GDC-G-W001-01
ORIGINAL ID ----->	GDCSB04501	GDCCB04501	GDCSB04601	GDCSB04701	GDCSB04801	GDCGW00101
LAB SAMPLE ID --->	736403 R1D50	736411 R1	736431 R1	736432	736433 R1	730808
ID FROM REPORT -->	GDCSB04501	GDCCB04501	GDCSB04601	GDCSB04701	GDCSB04801	GDCGW00101
SAMPLE DATE ----->	06/27/95	06/27/95	06/27/95	06/27/95	06/27/95	06/12/95
DATE EXTRACTED -->	06/30/95	06/30/95	06/30/95	06/30/95	06/30/95	06/16/95
DATE ANALYZED --->	08/03/95	08/03/95	08/03/95	07/14/95	08/03/95	06/26/95
MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Water
UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/L

CAS #	Parameter	0021P	VAL	0021P	VAL	0021P	VAL	0021P	VAL	0021P	VAL	0017P	VAL
58-89-9	gamma-BHC (Lindane)	2.6	U	0.52	U	0.54	U	0.56	U	0.53	U	0.03	U
76-44-8	Heptachlor	2.6	U	0.52	U	0.54	J	0.56	U	0.37	J	0.03	U
309-00-2	Aldrin	2.6	U	0.52	U	0.5	J	0.56	U	0.53	U	0.03	U
959-98-8	Endosulfan I	3.9	U	0.78	U	0.81	U	0.85	U	0.79	U	0.05	U
60-57-1	Dieldrin	2.3	J	0.78	U	1.9	U	1.2		1.8	U	0.03	U
33213-65-9	Endosulfan II	8.4	J	2.3		1.9	U	1.8	U	1.8	U	0.1	U
50-29-3	4,4'-DDT	69.		48.		6.4		1.8	U	28.		0.1	U
72-43-5	Methoxychlor	1.4	J	1.7	U	1.9	J	1.5	J	1.8	U	0.3	U
319-84-6	alpha-BHC	2.6	U	0.52	U	0.54	U	0.56	U	0.53	U	0.03	U
319-85-7	beta-BHC	2.6	U	0.52	U	0.54	J	0.56	U	0.53	U	0.03	U
319-86-8	delta-BHC	1.6	J	0.52	U	1.	U	0.56	U	0.53	U	0.03	U
1024-57-3	Heptachlor epoxide	2.6	U	2.3	J	2.6		0.56	U	2.3		0.03	U
72-55-9	4,4'-DDE	8.8	J	76.	J	17.		1.8	U	51.		0.1	U
72-20-8	Endrin	9.9		2.2		1.3	J	1.4	U	1.3	U	0.05	U
72-54-8	4,4'-DDD	9.1	U	1.4	J	1.4	J	1.8	U	1.8	U	0.1	U
7421-93-4	Endrin aldehyde	2.7		0.52	U	0.64		0.56	U	0.53	U	0.03	U
1031-07-8	Endosulfan sulfate	2.6	U	0.52	U	1.1	U	1.1	J	0.53	U	0.05	U
11096-82-5	Aroclor-1260	52.	U	10.	U	11.	U	11.	U	11.	U	0.5	U
12674-11-2	Aroclor-1016	52.	U	10.	U	11.	U	11.	U	11.	U	0.5	U
11104-28-2	Aroclor-1221	52.	U	10.	U	11.	U	11.	U	11.	U	0.5	U
11141-16-5	Aroclor-1232	52.	U	10.	U	11.	U	11.	U	11.	U	0.5	U
53469-21-9	Aroclor-1242	52.	U	10.	U	11.	U	11.	U	11.	U	0.5	U
12672-29-6	Aroclor-1248	52.	U	10.	U	11.	U	11.	U	11.	U	0.5	U
11097-69-1	Aroclor-1254	52.	U	10.	U	11.	U	11.	U	11.	U	0.5	U
8001-35-2	Toxaphene	52.	U	10.	U	11.	U	11.	U	11.	U	1.	U
57-74-9	Chlordane	120.		62.		20.		2.2	U	19.		0.12	U
53494-70-5	Endrin ketone	NR		NR		NR		NR		NR		NR	
5103-71-9	alpha-Chlordane	NR		NR		NR		NR		NR		NR	
5103-74-2	gamma-Chlordane	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-PEST								
	SAMPLE ID ------->	GDC-G-W002-01		GDC-G-W01D-01		GDC-G-W02D-01		
	ORIGINAL ID ----->	GRDGW00201		GDCGW01D01		GDCGW02D01		
	LAB SAMPLE ID --->	709205		730814		731349		
	ID FROM REPORT -->	GRDGW00201		GDCGW01D01		GDCGW02D01		
	SAMPLE DATE ----->	04/25/95		06/12/95		06/13/95		
	DATE EXTRACTED -->	05/01/95		06/16/95		06/20/95		
	DATE ANALYZED --->	05/17/95		06/26/95		06/26/95		
	MATRIX ---------->	Water		Water		Water		
	UNITS ----------->	UG/L		UG/L		UG/L		
CAS #	Parameter	0016P	VAL	0017P	VAL	0017P	VAL	
58-89-9	gamma-BHC (Lindane)	0.03	U	0.03	U	0.03	U	
76-44-8	Heptachlor	0.03	U	0.03	U	0.03	U	
309-00-2	Aldrin	0.03	U	0.03	U	0.03	U	
959-98-8	Endosulfan I	0.05	U	0.05	U	0.05	U	
60-57-1	Dieldrin	0.03	U	0.03	U	0.03	U	
33213-65-9	Endosulfan II	0.1	U	0.1	U	0.1	U	
50-29-3	4,4'-DDT	0.1	U	0.1	U	0.1	U	
72-43-5	Methoxychlor	0.3	U	0.3	U	0.3	U	
319-84-6	alpha-BHC	0.03	U	0.03	U	0.03	U	
319-85-7	beta-BHC	0.03	U	0.03	U	0.03	U	
319-86-8	delta-BHC	0.03	U	0.03	U	0.03	U	
1024-57-3	Heptachlor epoxide	0.03	U	0.03	U	0.03	U	
72-55-9	4,4'-DDE	0.1	U	0.1	U	0.1	U	
72-20-8	Endrin	0.05	U	0.05	U	0.05	U	
72-54-8	4,4'-DDD	0.1	U	0.1	U	0.1	U	
7421-93-4	Endrin aldehyde	0.03	U	0.03	U	0.03	U	
1031-07-8	Endosulfan sulfate	0.05	U	0.05	U	0.05	U	
11096-82-5	Aroclor-1260	0.5	U	0.5	U	0.5	U	
12674-11-2	Aroclor-1016	0.5	U	0.5	U	0.5	U	
11104-28-2	Aroclor-1221	0.5	U	0.5	U	0.5	U	
11141-16-5	Aroclor-1232	0.5	U	0.5	U	0.5	U	
53469-21-9	Aroclor-1242	0.5	U	0.5	U	0.5	U	
12672-29-6	Aroclor-1248	0.5	U	0.5	U	0.5	U	
11097-69-1	Aroclor-1254	0.5	U	0.5	U	0.5	U	
8001-35-2	Toxaphene	1.	U	1.	U	1.	U	
57-74-9	Chlordane	0.12	U	0.12	U	0.12	U	
53494-70-5	Endrin ketone	NR		NR		NR		
5103-71-9	alpha-Chlordane	NR		NR		NR		
5103-74-2	gamma-Chlordane	NR		NR		NR		

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	044-W-0014-01	044-W-0016-01	044-W-0018-01	044-W-0019-01	044-R-0019-01	044-W-0020-01
	ORIGINAL ID ----->	044W001401	044W001601	044W001801	044W001901	044R001901	044W002001
	LAB SAMPLE ID --->	704847	704852	701877	701907	701928	701946
	ID FROM REPORT -->	044W001401	044W001601	044W001801	044W001901	044R001901	044W002001
	SAMPLE DATE ----->	04/19/95	04/19/95	04/11/95	04/11/95	04/11/95	04/11/95
	DATE EXTRACTED -->	04/25/95	04/25/95	04/21/95	04/18/95	04/18/95	04/21/95
	DATE ANALYZED --->	04/27/95	04/27/95	04/22/95	04/19/95	04/19/95	04/22/95
	MATRIX ---------->	Water	Water	Water	Water	Water	Water
	UNITS ----------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	0007S	VAL	0007S	VAL	0007S	VAL	0007S	VAL	0007S	VAL	0007S	VAL
62-75-9	N-Nitrosodimethylamine	15.	U	15.	U	15.	U	15.	UJ	15.	UJ	15.	U
110-86-1	Pyridine	20.	U	20.	U	20.	U	20.	U	20.	UJ	20.	U
123-63-7	Paraldehyde	10.	U	10.	U	10.	U	10.	UJ	10.	UJ	10.	U
97-63-2	Ethyl methacrylate	15.	U	15.	U	15.	U	15.	U	15.	UJ	15.	U
109-06-8	2-Picoline	45.	U	45.	U	45.	U	45.	U	45.	UJ	45.	U
10595-95-6	N-Nitrosomethylethylamine	20.	U	20.	U	20.	U	20.	U	20.	UJ	20.	U
66-27-3	Methyl methanesulfonate	20.	U	20.	U	20.	U	20.	U	20.	UJ	20.	U
55-18-5	N-Nitrosodiethylamine	15.	U	15.	U	15.	U	15.	U	15.	UJ	15.	U
62-50-0	Ethyl methanesulfonate	20.	U	20.	U	20.	U	20.	U	20.	UJ	20.	U
108-95-2	Phenol	15.	U	15.	U	15.	U	15.	U	15.	U	15.	U
62-53-3	Aniline	15.	U	15.	U	15.	U	15.	U	15.	UJ	15.	U
111-44-4	bis(2-Chloroethyl)ether	20.	U	20.	U	20.	U	20.	U	20.	UJ	20.	U
76-01-7	Pentachloroethane	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
95-57-8	2-Chlorophenol	15.	U	15.	U	15.	U	15.	U	15.	U	15.	U
541-73-1	1,3-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
100-44-7	Benzyl chloride	5.	U	5.	U	5.	U	5.	U	5.	UJ	5.	U
106-46-7	1,4-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
100-51-6	Benzyl alcohol	20.	U	20.	U	20.	U	20.	U	20.	U	20.	U
95-50-1	1,2-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
95-48-7	2-Methylphenol (o-Cresol)	20.	U	20.	U	20.	U	20.	U	20.	U	20.	U
39638-32-9	Bis(2-Chloroisopropyl)Ether	15.	U	15.	U	15.	U	15.	U	15.	UJ	15.	U
108-39-4	3-Methylphenol (m-Cresol)	35.	U	35.	U	35.	U	35.	U	35.	U	35.	U
106-44-5	4-Methylphenol (p-Cresol)	35.	U	35.	U	35.	U	35.	U	35.	U	35.	U
930-55-2	N-Nitrosopyrrolidine	15.	U	15.	U	15.	U	15.	U	15.	UJ	15.	U
621-64-7	N-Nitroso-di-n-propylamine	20.	U	20.	U	20.	U	20.	UJ	20.	UJ	20.	U
98-86-2	Acetophenone	20.	U	20.	U	20.	U	20.	U	20.	UJ	20.	U
59-89-2	N-Nitrosomorpholine	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
636-21-5	o-Toluidine hydrochloride	25.	U	25.	U	25.	U	25.	U	25.	UJ	25.	U
67-72-1	Hexachloroethane	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
98-95-3	Nitrobenzene	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
100-75-4	N-Nitrosopiperidine	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
78-59-1	Isophorone	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
88-75-5	2-Nitrophenol	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
105-67-9	2,4-Dimethylphenol	35.	U	35.	U	35.	U	35.	U	35.	U	35.	U
108-70-3	1,3,5-Trichlorobenzene	5.	U	5.	U	5.	U	5.	U	5.	UJ	5.	U
98-87-3	Benzal chloride	15.	U	15.	U	15.	U	15.	U	15.	UJ	15.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA												
	SAMPLE ID ------->	044-W-0014-01		044-W-0016-01		044-W-0018-01		044-W-0019-01		044-R-0019-01		044-W-0020-01	
	ORIGINAL ID ----->	044W001401		044W001601		044W001801		044W001901		044R001901		044W002001	
	LAB SAMPLE ID --->	704847		704852		701877		701907		701928		701946	
	ID FROM REPORT -->	044W001401		044W001601		044W001801		044W001901		044R001901		044W002001	
	SAMPLE DATE ----->	04/19/95		04/19/95		04/11/95		04/11/95		04/11/95		04/11/95	
	DATE EXTRACTED -->	04/25/95		04/25/95		04/21/95		04/18/95		04/18/95		04/21/95	
	DATE ANALYZED --->	04/27/95		04/27/95		04/22/95		04/19/95		04/19/95		04/22/95	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	0007S	VAL	0007S	VAL	0007S	VAL	0007S	VAL	0007S	VAL	0007S	VAL
126-68-1	O,O,O-Triethylphosphorothioate	110.	U	110.	U	110.	U	110.	U	110.	UJ	110.	U
65-85-0	Benzoic acid	95.	UJ	95.	UJ	95.	U	95.	U	95.	U	95.	U
111-91-1	bis(2-Chloroethoxy)methane	15.	U	15.	U	15.	U	15.	U	15.	UJ	15.	U
120-83-2	2,4-Dichlorophenol	15.	U	15.	U	15.	U	15.	U	15.	U	15.	U
120-82-1	1,2,4-Trichlorobenzene	5.	U	5.	U	5.	U	5.	U	5.	UJ	5.	U
91-20-3	Naphthalene	5.	U	5.	U	5.	U	5.	U	5.	UJ	5.	U
106-47-8	4-Chloroaniline	5.	U	5.	U	5.	U	5.	U	5.	UJ	5.	U
87-65-0	2,6-Dichlorophenol	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
1888-71-7	Hexachloropropene	20.	U	20.	U	20.	UJ	20.	U	20.	UJ	20.	UJ
87-68-3	Hexachlorobutadiene	5.	U	5.	U	5.	U	5.	U	5.	UJ	5.	U
87-61-6	1,2,3-Trichlorobenzene	5.	U	5.	U	5.	U	5.	U	5.	UJ	5.	U
98-07-7	Benzotrichloride	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
924-16-3	N-Nitroso-di-n-butylamine	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
94-59-7	Safrole	5.	U	5.	U	5.	U	5.	U	5.	UJ	5.	U
91-57-6	2-Methylnaphthalene	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
90-12-0	1-Methyl naphthalene	15.	U	15.	U	15.	U	15.	U	15.	UJ	15.	U
77-47-4	Hexachlorocyclopentadiene	25.	U	25.	U	25.	UJ	25.	UJ	25.	UJ	25.	UJ
95-94-3	1,2,4,5-Tetrachlorobenzene	15.	U	15.	U	15.	U	15.	U	15.	UJ	15.	U
634-90-2	1,2,3,5-Tetrachlorobenzene	15.	U	15.	U	15.	U	15.	U	15.	UJ	15.	U
88-06-2	2,4,6-Trichlorophenol	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
95-95-4	2,4,5-Trichlorophenol	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
120-58-1	Isosafrole	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
634-66-2	1,2,3,4-Tetrachlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
91-58-7	2-Chloronaphthalene	15.	U	15.	U	15.	U	15.	U	15.	UJ	15.	U
90-13-1	1-Chloronaphthalene	25.	U	25.	U	25.	U	25.	U	25.	UJ	25.	U
88-74-4	2-Nitroaniline	20.	U	20.	U	20.	U	20.	U	20.	UJ	20.	U
130-15-4	1,4-Naphthoquinone	35.	U	35.	U	35.	U	35.	U	35.	UJ	35.	U
131-11-3	Dimethyl phthalate	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
99-65-0	1,3-Dinitrobenzene	15.	U	15.	U	15.	U	15.	U	15.	UJ	15.	U
606-20-2	2,6-Dinitrotoluene	15.	U	15.	U	15.	U	15.	U	15.	UJ	15.	U
208-96-8	Acenaphthylene	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
99-09-2	3-Nitroaniline	30.	U	30.	U	30.	U	30.	U	30.	UJ	30.	U
83-32-9	Acenaphthene	10.	U	10.	U	10.	U	10.	UJ	10.	UJ	10.	U
51-28-5	2,4-Dinitrophenol	75.	U	75.	U	75.	U	75.	U	75.	U	75.	U
100-02-7	4-Nitrophenol	45.	U	45.	U	45.	U	45.	U	45.	U	45.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	044-W-0014-01	044-W-0016-01	044-W-0018-01	044-W-0019-01	044-R-0019-01	044-W-0020-01
	ORIGINAL ID ----->	044W001401	044W001601	044W001801	044W001901	044R001901	044W002001
	LAB SAMPLE ID --->	704847	704852	701877	701907	701928	701946
	ID FROM REPORT -->	044W001401	044W001601	044W001801	044W001901	044R001901	044W002001
	SAMPLE DATE ----->	04/19/95	04/19/95	04/11/95	04/11/95	04/11/95	04/11/95
	DATE EXTRACTED -->	04/25/95	04/25/95	04/21/95	04/18/95	04/18/95	04/21/95
	DATE ANALYZED --->	04/27/95	04/27/95	04/22/95	04/19/95	04/19/95	04/22/95
	MATRIX ---------->	Water	Water	Water	Water	Water	Water
	UNITS ----------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	0007S	VAL	0007S	VAL	0007S	VAL	0007S	VAL	0007S	VAL	0007S	VAL
608-93-5	Pentachlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
132-64-9	Dibenzofuran	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
91-59-8	2-Naphthylamine	20.	UJ	20.	UJ	20.	U	20.	U	20.	UJ	20.	U
58-90-2	2,3,4,6-Tetrachlorophenol	35.	U	35.	U	35.	U	35.	U	35.	U	35.	U
134-32-7	1-Naphthylamine	35.	U	35.	U	35.	U	35.	U	35.	UJ	35.	U
84-66-2	Diethylphthalate	15.	U	15.	U	15.	U	15.	U	15.	UJ	15.	U
297-97-2	Thionazin	15.	U	15.	U	15.	U	15.	U	15.	UJ	15.	U
7005-72-3	4-Chlorophenylphenylether	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
99-55-8	5-Nitro-o-toluidine	30.	U	30.	U	30.	U	30.	U	30.	UJ	30.	U
86-73-7	Fluorene	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
100-01-6	4-Nitroaniline	35.	U	35.	U	35.	U	35.	U	35.	UJ	35.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	45.	U	45.	U	45.	U	45.	U	45.	U	45.	U
86-30-6	N-Nitrosodiphenylamine	30.	U	30.	U	30.	U	30.	U	30.	UJ	30.	U
122-39-4	Diphenylamine	30.	U	30.	U	30.	U	30.	U	30.	UJ	30.	U
122-66-7	Hydrazine, 1,2-diphenyl	15.	U	15.	U	15.	U	15.	U	15.	U	15.	U
99-35-4	1,3,5-Trinitrobenzene	45.	U	45.	U	45.	U	45.	U	45.	UJ	45.	U
2303-16-4	Diallate	20.	U	20.	U	20.	U	20.	U	20.	UJ	20.	U
62-44-2	Phenacetin	20.	UJ	20.	UJ	20.	U	20.	U	20.	UJ	20.	U
101-55-3	4-Bromophenyl-phenylether	15.	U	15.	U	15.	U	15.	U	15.	UJ	15.	U
118-74-1	Hexachlorobenzene	15.	U	15.	U	15.	U	15.	U	15.	UJ	15.	U
60-51-5	Dimethoate	15.	UJ	15.	UJ	15.	U	15.	U	15.	UJ	15.	U
92-67-1	4-Aminobiphenyl	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
87-86-5	Pentachlorophenol	55.	U	55.	U	55.	U	55.	U	55.	U	55.	U
23950-58-5	Pronamide	15.	UJ	15.	UJ	15.	U	15.	U	15.	UJ	15.	U
82-68-8	Pentachloronitrobenzene	15.	U	15.	U	15.	U	15.	U	15.	UJ	15.	U
85-01-8	Phenanthrene	15.	U	15.	U	15.	U	15.	U	15.	UJ	15.	U
120-12-7	Anthracene	15.	U	15.	U	15.	U	15.	U	15.	UJ	15.	U
84-74-2	Di-n-butylphthalate	1.	J	15.	U	15.	U	2.	J	2.	J	15.	U
56-57-5	4-Nitroquinoline 1-oxide	75.	UR	75.	UR	75.	U	75.	UR	75.	UR	75.	U
91-80-5	Methapyrilene	30.	U	30.	U	30.	U	30.	UJ	30.	UJ	30.	U
6055-19-2	Cyclophosphamide Hydrate	20.	UR	20.	UR	20.	UR	20.	UJ	20.	UJ	20.	UR
465-73-6	Isodrin	15.	U	15.	U	15.	U	15.	U	15.	UJ	15.	U
206-44-0	Fluoranthene	20.	U	20.	U	20.	U	20.	U	20.	UJ	20.	U
92-87-5	Benzidine	25.	U	25.	U	25.	U	25.	U	25.	UJ	25.	U
129-00-0	Pyrene	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA													
	SAMPLE ID ------>	044-W-0014-01		044-W-0016-01		044-W-0018-01		044-W-0019-01		044-R-0019-01		044-W-0020-01	
	ORIGINAL ID ----->	044W001401		044W001601		044W001801		044W001901		044R001901		044W002001	
	LAB SAMPLE ID --->	704847		704852		701877		701907		701928		701946	
	ID FROM REPORT -->	044W001401		044W001601		044W001801		044W001901		044R001901		044W002001	
	SAMPLE DATE ----->	04/19/95		04/19/95		04/11/95		04/11/95		04/11/95		04/11/95	
	DATE EXTRACTED -->	04/25/95		04/25/95		04/21/95		04/18/95		04/18/95		04/21/95	
	DATE ANALYZED --->	04/27/95		04/27/95		04/22/95		04/19/95		04/19/95		04/22/95	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	0007S	VAL	0007S	VAL	0007S	VAL	0007S	VAL	0007S	VAL	0007S	VAL
140-57-8	Aramite	20.	U	20.	U	20.	U	20.	U	20.	UJ	20.	U
60-11-7	p-(Dimethylamino)azobenzene	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
510-15-6	Chlorobenzilate	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
52-85-7	Famphur	65.	UJ	65.	UJ	65.	UR	65.	UR	65.	UR	65.	UR
85-68-7	Butylbenzylphthalate	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
119-93-7	3,3-Dimethylbenzidine	100.	U	100.	U	100.	U	100.	U	100.	UJ	100.	U
53-96-3	Acetamidofluorene	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
119-90-4	3,3'-Dimethoxybenzidine	20.	U	20.	U	20.	U	20.	U	20.	UJ	20.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	10.	U	10.	U	10.	U	10.	UJ	10.	UJ	10.	U
101-14-4	Benzenamine, 4,4'-methylenebis[2chloro-	15.	U	15.	U	15.	U	15.	U	15.	UJ	15.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
56-55-3	Benzo(a)anthracene	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
218-01-9	Chrysene	15.	U	15.	U	15.	U	15.	U	15.	UJ	15.	U
117-84-0	Di-n-octyl phthalate	20.	U	20.	U	20.	U	20.	U	20.	UJ	20.	U
57-97-6	7,12-Dimethylbenz(a)anthracene	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
207-08-9	Benzo(k)fluoranthene	20.	U	20.	U	20.	U	20.	U	20.	UJ	20.	U
50-32-8	Benzo(a)pyrene	5.	U	5.	U	5.	U	5.	U	5.	UJ	5.	U
56-49-5	3-Methyl cholanthrene	5.	U	5.	U	5.	U	5.	U	5.	UJ	5.	U
224-42-0	Dibenz(a,j)acridine	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	NR		NR		NR		NR		NR		NR	

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	044-W-0021-01	044-W-0022-01	044-H-W004-01	044-G-W006-01	047-S-B001-01	047-S-B001-02
	ORIGINAL ID ----->	044W002101	044W002201	044HW00401	044GW00601	047SB00101	047SB00102
	LAB SAMPLE ID --->	701964	704861	731359	709173	697943	697976
	ID FROM REPORT -->	044W002101	044W002201	044HW00401	044GW00601	047SB00101	047SB00102
	SAMPLE DATE ----->	04/11/95	04/19/95	06/13/95	04/25/95	04/03/95	04/03/95
	DATE EXTRACTED -->	04/18/95	04/25/95	06/20/95	05/01/95	04/15/95	04/15/95
	DATE ANALYZED --->	04/19/95	04/27/95	07/14/95	05/04/95	04/21/95	04/21/95
	MATRIX ---------->	Water	Water	Water	Water	Soil	Soil
	UNITS ----------->	UG/L	UG/L	UG/L	UG/L	UG/KG	UG/KG

CAS #	Parameter	0007S	VAL	0007S	VAL	0018S	VAL	0016S	VAL	0004S	VAL	0004S	VAL
62-75-9	N-Nitrosodimethylamine	15.	UJ	15.	U	15.	UJ	15.	UJ	780.	U	860.	U
110-86-1	Pyridine	20.	U	20.	U	20.	U	20.	U	650.	U	710.	U
123-63-7	Paraldehyde	10.	UJ	10.	U	10.	U	10.	U	420.	U	470.	U
97-63-2	Ethyl methacrylate	15.	U	15.	U	15.	UJ	15.	UJ	690.	U	770.	U
109-06-8	2-Picoline	45.	U	45.	U	45.	U	45.	U	1400.	U	1600.	U
10595-95-6	N-Nitrosomethylethylamine	20.	U	20.	U	20.	U	20.	U	640.	U	700.	U
66-27-3	Methyl methanesulfonate	20.	U	20.	U	20.	UJ	20.	UJ	820.	U	910.	U
55-18-5	N-Nitrosodiethylamine	15.	U	15.	U	15.	U	15.	U	710.	U	780.	U
62-50-0	Ethyl methanesulfonate	20.	U	20.	U	20.	U	20.	U	710.	U	780.	U
108-95-2	Phenol	15.	U	15.	U	15.	U	15.	U	68.	J	740.	U
62-53-3	Aniline	15.	U	15.	U	15.	U	15.	U	660.	U	730.	U
111-44-4	bis(2-Chloroethyl)ether	20.	U	20.	U	20.	U	20.	U	690.	U	770.	U
76-01-7	Pentachloroethane	10.	U	10.	U	10.	U	10.	U	980.	U	1100.	U
95-57-8	2-Chlorophenol	15.	U	15.	U	15.	U	15.	U	740.	U	820.	U
541-73-1	1,3-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	600.	U	660.	U
100-44-7	Benzyl chloride	5.	U	5.	U	5.	UJ	5.	UJ	680.	U	750.	U
106-46-7	1,4-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	610.	U	680.	U
100-51-6	Benzyl alcohol	20.	U	20.	U	20.	U	20.	U	650.	U	710.	U
95-50-1	1,2-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	690.	U	770.	U
95-48-7	2-Methylphenol (o-Cresol)	20.	U	20.	U	20.	U	20.	U	760.	U	840.	U
39638-32-9	Bis(2-Chloroisopropyl)Ether	15.	U	15.	U	15.	UJ	15.	UJ	760.	U	840.	U
108-39-4	3-Methylphenol (m-Cresol)	35.	U	35.	U	35.	U	35.	U	1500.	U	1700.	U
106-44-5	4-Methylphenol (p-Cresol)	35.	U	35.	U	35.	U	35.	U	1500.	U	1700.	U
930-55-2	N-Nitrosopyrrolidine	15.	U	15.	U	15.	UJ	15.	U	620.	U	690.	U
621-64-7	N-Nitroso-di-n-propylamine	20.	U	20.	U	20.	UJ	20.	UJ	720.	U	790.	U
98-86-2	Acetophenone	20.	U	20.	U	20.	U	1.	J	780.	U	860.	U
59-89-2	N-Nitrosomorpholine	10.	U	10.	U	10.	U	10.	U	880.	U	970.	U
636-21-5	o-Toluidine hydrochloride	25.	U	25.	U	25.	U	25.	U	2400.	U	2600.	U
67-72-1	Hexachloroethane	10.	U	10.	U	10.	U	10.	U	710.	U	780.	U
98-95-3	Nitrobenzene	10.	U	10.	U	10.	UJ	10.	UJ	800.	U	880.	U
100-75-4	N-Nitrosopiperidine	10.	U	10.	U	10.	U	10.	U	870.	U	960.	U
78-59-1	Isophorone	10.	U	10.	U	10.	UJ	10.	UJ	800.	U	880.	U
88-75-5	2-Nitrophenol	5.	U	5.	U	5.	U	5.	U	730.	U	810.	U
105-67-9	2,4-Dimethylphenol	35.	U	35.	U	35.	U	35.	U	720.	U	790.	U
108-70-3	1,3,5-Trichlorobenzene	5.	U	5.	U	5.	U	5.	U	720.	U	790.	U
98-87-3	Benzal chloride	15.	U	15.	U	15.	U	15.	UR	620.	U	690.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	044-W-0021-01	044-W-0022-01	044-H-W004-01	044-G-W006-01	047-S-B001-01	047-S-B001-02
	ORIGINAL ID ----->	044W002101	044W002201	044HW00401	044GW00601	047SB00101	047SB00102
	LAB SAMPLE ID --->	701964	704861	731359	709173	697943	697976
	ID FROM REPORT -->	044W002101	044W002201	044HW00401	044GW00601	047SB00101	047SB00102
	SAMPLE DATE ----->	04/11/95	04/19/95	06/13/95	04/25/95	04/03/95	04/03/95
	DATE EXTRACTED -->	04/18/95	04/25/95	06/20/95	05/01/95	04/15/95	04/15/95
	DATE ANALYZED --->	04/19/95	04/27/95	07/14/95	05/04/95	04/21/95	04/21/95
	MATRIX ---------->	Water	Water	Water	Water	Soil	Soil
	UNITS ----------->	UG/L	UG/L	UG/L	UG/L	UG/KG	UG/KG

CAS #	Parameter	0007S	VAL	0007S	VAL	0018S	VAL	0016S	VAL	0004S	VAL	0004S	VAL
126-68-1	O,O,O-Triethylphosphorothioate	110.	U	110.	U	110.	U	110.	U	6200.	U	6900.	U
65-85-0	Benzoic acid	95.	U	95.	UJ	2.	J	95.	U	2200.	U	2500.	U
111-91-1	bis(2-Chloroethoxy)methane	15.	U	15.	U	15.	U	15.	U	790.	U	870.	U
120-83-2	2,4-Dichlorophenol	15.	U	15.	U	15.	U	15.	U	650.	U	710.	U
120-82-1	1,2,4-Trichlorobenzene	5.	U	5.	U	5.	U	5.	U	650.	U	710.	U
91-20-3	Naphthalene	5.	U	5.	U	5.	U	5.	U	780.	U	860.	U
106-47-8	4-Chloroaniline	5.	U	5.	U	5.	U	5.	U	810.	U	900.	U
87-65-0	2,6-Dichlorophenol	25.	U	25.	U	25.	U	25.	U	1400.	U	1600.	U
1888-71-7	Hexachloropropene	20.	U	20.	U	20.	U	20.	U	670.	U	740.	U
87-68-3	Hexachlorobutadiene	5.	U	5.	U	5.	U	5.	U	660.	U	730.	U
87-61-6	1,2,3-Trichlorobenzene	5.	U	5.	U	5.	U	5.	U	710.	U	780.	U
98-07-7	Benzotrichloride	5.	U	5.	U	5.	U	5.	U	730.	U	810.	U
924-16-3	N-Nitroso-di-n-butylamine	10.	U	10.	U	10.	UJ	10.	UJ	1600.	U	1800.	U
59-50-7	4-Chloro-3-methylphenol	10.	U	10.	U	10.	U	10.	U	880.	U	970.	U
94-59-7	Safrole	5.	U	5.	U	5.	U	5.	U	680.	U	750.	U
91-57-6	2-Methylnaphthalene	10.	U	10.	U	10.	U	10.	U	990.	U	1100.	U
90-12-0	1-Methyl naphthalene	15.	U	15.	U	15.	U	15.	U	1300.	U	1400.	U
77-47-4	Hexachlorocyclopentadiene	25.	UJ	25.	U	25.	U	25.	U	780.	U	860.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	15.	U	15.	U	15.	U	15.	U	1500.	U	1700.	U
634-90-2	1,2,3,5-Tetrachlorobenzene	15.	U	15.	U	15.	U	15.	U	1500.	U	1700.	U
88-06-2	2,4,6-Trichlorophenol	25.	U	25.	U	25.	U	25.	U	1500.	U	1700.	U
95-95-4	2,4,5-Trichlorophenol	25.	U	25.	U	25.	U	25.	U	1500.	U	1700.	U
120-58-1	Isosafrole	10.	U	10.	U	10.	U	10.	U	1500.	U	1700.	U
634-66-2	1,2,3,4-Tetrachlorobenzene	10.	U	10.	U	10.	U	10.	U	750.	U	830.	U
91-58-7	2-Chloronaphthalene	15.	U	15.	U	15.	U	15.	U	1100.	U	1300.	U
90-13-1	1-Chloronaphthalene	25.	U	25.	U	25.	U	25.	U	1400.	U	1600.	U
88-74-4	2-Nitroaniline	20.	U	20.	U	20.	UJ	20.	UJ	1300.	U	1400.	U
130-15-4	1,4-Naphthoquinone	35.	U	35.	U	35.	U	35.	U	1900.	U	2100.	U
131-11-3	Dimethyl phthalate	10.	U	10.	U	10.	U	10.	U	1100.	U	1300.	U
99-65-0	1,3-Dinitrobenzene	15.	U	15.	U	15.	U	15.	U	660.	U	730.	U
606-20-2	2,6-Dinitrotoluene	15.	U	15.	U	15.	U	15.	U	880.	U	970.	U
208-96-8	Acenaphthylene	10.	U	10.	U	10.	U	10.	U	790.	U	870.	U
99-09-2	3-Nitroaniline	30.	U	30.	U	30.	U	30.	U	810.	U	900.	U
83-32-9	Acenaphthene	10.	U	10.	U	10.	U	10.	U	780.	U	860.	U
51-28-5	2,4-Dinitrophenol	75.	U	75.	U	75.	U	75.	U	2000.	U	2200.	U
100-02-7	4-Nitrophenol	45.	U	45.	U	45.	UJ	45.	U	5300.	U	5800.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	044-W-0021-01	044-W-0022-01	044-H-W004-01	044-G-W006-01	047-S-B001-01	047-S-B001-02
	ORIGINAL ID ----->	044W002101	044W002201	044HW00401	044GW00601	047SB00101	047SB00102
	LAB SAMPLE ID --->	701964	704861	731359	709173	697943	697976
	ID FROM REPORT -->	044W002101	044W002201	044HW00401	044GW00601	047SB00101	047SB00102
	SAMPLE DATE ----->	04/11/95	04/19/95	06/13/95	04/25/95	04/03/95	04/03/95
	DATE EXTRACTED -->	04/18/95	04/25/95	06/20/95	05/01/95	04/15/95	04/15/95
	DATE ANALYZED --->	04/19/95	04/27/95	07/14/95	05/04/95	04/21/95	04/21/95
	MATRIX ---------->	Water	Water	Water	Water	Soil	Soil
	UNITS ----------->	UG/L	UG/L	UG/L	UG/L	UG/KG	UG/KG

CAS #	Parameter	0007S	VAL	0007S	VAL	0018S	VAL	0016S	VAL	0004S	VAL	0004S	VAL
608-93-5	Pentachlorobenzene	10.	U	10.	U	10.	U	10.	U	780.	U	860.	U
121-14-2	2,4-Dinitrotoluene	10.	U	10.	U	10.	U	10.	U	780.	U	860.	U
132-64-9	Dibenzofuran	10.	U	10.	U	10.	U	10.	U	810.	U	900.	U
91-59-8	2-Naphthylamine	20.	U	20.	UJ	20.	U	20.	U	1000.	U	1100.	U
58-90-2	2,3,4,6-Tetrachlorophenol	35.	U	35.	U	35.	UJ	35.	U	1600.	U	1800.	U
134-32-7	1-Naphthylamine	35.	U	35.	U	35.	U	35.	U	1600.	U	1800.	U
84-66-2	Diethylphthalate	15.	U	15.	U	15.	U	15.	U	850.	U	940.	U
297-97-2	Thionazin	15.	U	15.	U	15.	U	15.	U	790.	U	870.	U
7005-72-3	4-Chlorophenylphenylether	10.	U	10.	U	10.	U	10.	U	710.	U	780.	U
99-55-8	5-Nitro-o-toluidine	30.	U	30.	U	30.	U	30.	U	1200.	U	1300.	U
86-73-7	Fluorene	10.	U	10.	U	10.	U	10.	U	810.	U	900.	U
100-01-6	4-Nitroaniline	35.	U	35.	U	35.	U	35.	U	1300.	U	1400.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	45.	U	45.	U	45.	U	45.	U	2100.	U	2300.	U
86-30-6	N-Nitrosodiphenylamine	30.	U	30.	U	30.	U	30.	U	1600.	U	1800.	U
122-39-4	Diphenylamine	30.	U	30.	U	30.	U	30.	U	1600.	U	1800.	U
122-66-7	Hydrazine, 1,2-diphenyl	15.	U	15.	U	15.	UJ	15.	UJ	810.	U	900.	U
99-35-4	1,3,5-Trinitrobenzene	45.	U	45.	U	45.	U	45.	U	1100.	U	1200.	U
2303-16-4	Diallate	20.	U	20.	U	20.	U	20.	U	780.	U	860.	U
62-44-2	Phenacetin	20.	U	20.	UJ	20.	U	20.	U	720.	U	790.	U
101-55-3	4-Bromophenyl-phenylether	15.	U	15.	U	15.	U	15.	U	880.	U	970.	U
118-74-1	Hexachlorobenzene	15.	U	15.	U	15.	U	15.	U	910.	U	1000.	U
60-51-5	Dimethoate	15.	U	15.	UJ	15.	U	15.	UJ	780.	U	860.	U
92-67-1	4-Aminobiphenyl	10.	U	10.	U	10.	U	10.	U	480.	U	530.	U
87-86-5	Pentachlorophenol	55.	U	55.	U	55.	U	55.	U	1600.	U	1800.	U
23950-58-5	Pronamide	15.	U	15.	UJ	15.	U	15.	U	760.	U	840.	U
82-68-8	Pentachloronitrobenzene	15.	U	15.	U	15.	UJ	15.	U	750.	U	830.	U
85-01-8	Phenanthrene	15.	U	15.	U	15.	U	15.	U	67.	J	810.	U
120-12-7	Anthracene	15.	U	15.	U	15.	U	15.	U	870.	U	960.	U
84-74-2	Di-n-butylphthalate	15.	U	1.	J	15.	U	15.	U	910.	U	1000.	U
56-57-5	4-Nitroquinoline 1-oxide	75.	UR	75.	UR	75.	U	75.	UR	5600.	UR	6200.	UR
91-80-5	Methapyrilene	30.	UJ	30.	U	30.	UJ	30.	UJ	1500.	U	1700.	U
6055-19-2	Cyclophosphamide Hydrate	20.	UJ	20.	UR	20.	UR	20.	U	740.	UR	820.	UR
465-73-6	Isodrin	15.	U	15.	U	15.	U	15.	U	1100.	U	1200.	U
206-44-0	Fluoranthene	20.	U	20.	U	20.	U	20.	U	260.	J	1200.	U
92-87-5	Benzidine	25.	U	25.	U	25.	U	25.	UJ	1900.	U	2100.	U
129-00-0	P[illegible]ne	10.	U	10.	U	10.	U	10.	UJ	280.	J	950.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	044-W-0021-01	044-W-0022-01	044-H-W004-01	044-G-W006-01	047-S-B001-01	047-S-B001-02
	ORIGINAL ID ----->	044W002101	044W002201	044HW00401	044GW00601	047SB00101	047SB00102
	LAB SAMPLE ID --->	701964	704861	731359	709173	697943	697976
	ID FROM REPORT -->	044W002101	044W002201	044HW00401	044GW00601	047SB00101	047SB00102
	SAMPLE DATE ----->	04/11/95	04/19/95	06/13/95	04/25/95	04/03/95	04/03/95
	DATE EXTRACTED -->	04/18/95	04/25/95	06/20/95	05/01/95	04/15/95	04/15/95
	DATE ANALYZED --->	04/19/95	04/27/95	07/14/95	05/04/95	04/21/95	04/21/95
	MATRIX ---------->	Water	Water	Water	Water	Soil	Soil
	UNITS ----------->	UG/L	UG/L	UG/L	UG/L	UG/KG	UG/KG

CAS #	Parameter	0007S	VAL	0007S	VAL	0018S	VAL	0016S	VAL	0004S	VAL	0004S	VAL
140-57-8	Aramite	20.	U	20.	U	20.	U	20.	UJ	780.	U	860.	U
60-11-7	p-(Dimethylamino)azobenzene	10.	U	10.	U	10.	U	10.	UJ	790.	U	870.	U
510-15-6	Chlorobenzilate	10.	U	10.	U	10.	UJ	10.	UJ	840.	U	920.	U
52-85-7	Famphur	65.	UR	65.	UJ	65.	U	65.	UR	2400.	UR	2600.	UR
85-68-7	Butylbenzylphthalate	10.	U	10.	U	10.	U	10.	U	800.	U	880.	U
119-93-7	3,3-Dimethylbenzidine	100.	U	100.	U	100.	U	100.	U	1100.	U	1300.	U
53-96-3	Acetamidofluorene	10.	U	10.	U	10.	U	10.	U	840.	U	920.	U
119-90-4	3,3'-Dimethoxybenzidine	20.	U	20.	U	20.	U	20.	U	1100.	U	1300.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	10.	UJ	10.	U	10.	UJ	8.	J	880.	U	970.	U
101-14-4	Benzenamine, 4,4'-methylenebis[2chloro-	15.	U	15.	U	15.	U	15.	U	530.	U	580.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U	10.	U	10.	U	10.	U	590.	U	650.	U
56-55-3	Benzo(a)anthracene	10.	U	10.	U	10.	U	10.	U	120.	J	860.	U
218-01-9	Chrysene	15.	U	15.	U	15.	U	15.	U	230.	J	700.	U
117-84-0	Di-n-octyl phthalate	20.	U	20.	U	20.	U	10.	U	560.	U	620.	U
57-97-6	7,12-Dimethylbenz(a)anthracene	10.	U	10.	U	10.	U	10.	U	480.	U	530.	U
205-99-2	Benzo(b)fluoranthene	10.	U	10.	U	10.	U	10.	U	450.	J	1000.	U
207-08-9	Benzo(k)fluoranthene	20.	U	20.	U	20.	U	20.	U	530.	J	810.	U
50-32-8	Benzo(a)pyrene	5.	U	5.	U	5.	U	5.	U	210.	J	860.	U
56-49-5	3-Methyl cholanthrene	5.	U	5.	U	5.	U	5.	U	720.	U	790.	U
224-42-0	Dibenz(a,j)acridine	10.	U	10.	U	10.	U	10.	U	480.	U	530.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U	10.	U	10.	U	10.	U	130.	J	600.	U
53-70-3	Dibenz(a,h)anthracene	10.	U	10.	U	10.	U	10.	U	510.	U	560.	U
191-24-2	Benzo(g,h,i)perylene	10.	U	10.	U	10.	U	10.	UJ	120.	J	810.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	047-S-B002-01	047-S-B003-01	047-S-B003-02	047-S-B004-01	047-C-B004-01	047-S-B004-02
	ORIGINAL ID ----->	047SB00201	047SB00301	047SB00302	047SB00401	047CB00401	047SB00402
	LAB SAMPLE ID --->	697982	703268	703269	703262	703273	703263
	ID FROM REPORT -->	047SB00201	047SB00301	047SB00302	047SB00401	047CB00401	047SB00402
	SAMPLE DATE ----->	04/03/95	04/13/95	04/13/95	04/13/95	04/13/95	04/13/95
	DATE EXTRACTED -->	04/15/95	04/24/95	04/24/95	04/24/95	04/24/95	04/24/95
	DATE ANALYZED --->	04/21/95	04/26/95	04/26/95	04/26/95	04/26/95	04/25/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0004S	VAL	0010S	VAL	0010S	VAL	0010S	VAL	0010S	VAL	0010S	VAL
62-75-9	N-Nitrosodimethylamine	730.	U	820.	UJ	860.	UJ	750.	UJ	740.	UJ	780.	UJ
110-86-1	Pyridine	610.	U	690.	UJ	710.	UJ	630.	UJ	620.	UJ	650.	UJ
123-63-7	Paraldehyde	400.	U	450.	U	470.	U	410.	U	400.	U	430.	U
97-63-2	Ethyl methacrylate	650.	U	740.	U	770.	U	670.	U	660.	U	700.	U
109-06-8	2-Picoline	1300.	U	1500.	U	1600.	U	1400.	U	1300.	U	1400.	U
10595-95-6	N-Nitrosomethylethylamine	600.	U	670.	U	700.	U	610.	U	600.	U	640.	U
66-27-3	Methyl methanesulfonate	780.	U	870.	U	910.	U	800.	U	780.	U	830.	U
55-18-5	N-Nitrosodiethylamine	660.	U	750.	U	780.	U	680.	U	670.	U	710.	U
62-50-0	Ethyl methanesulfonate	660.	U	750.	U	780.	U	680.	U	670.	U	710.	U
108-95-2	Phenol	630.	U	710.	U	740.	U	650.	U	640.	U	680.	U
62-53-3	Aniline	620.	U	700.	U	730.	U	640.	U	630.	U	670.	U
111-44-4	bis(2-Chloroethyl)ether	650.	U	740.	U	770.	U	670.	U	660.	U	700.	U
76-01-7	Pentachloroethane	920.	U	1000.	U	1100.	U	940.	U	930.	U	990.	U
95-57-8	2-Chlorophenol	700.	U	790.	U	820.	U	720.	U	710.	U	750.	U
541-73-1	1,3-Dichlorobenzene	560.	U	640.	U	660.	U	580.	U	570.	U	610.	U
100-44-7	Benzyl chloride	640.	U	720.	U	750.	U	660.	U	650.	U	690.	U
106-46-7	1,4-Dichlorobenzene	580.	U	650.	U	680.	U	590.	U	580.	U	620.	U
100-51-6	Benzyl alcohol	610.	U	690.	U	710.	U	630.	U	620.	U	650.	U
95-50-1	1,2-Dichlorobenzene	650.	U	740.	U	770.	U	670.	U	660.	U	700.	U
95-48-7	2-Methylphenol (o-Cresol)	720.	U	810.	U	840.	U	740.	U	730.	U	770.	U
39638-32-9	Bis(2-Chloroisopropyl)Ether	720.	U	810.	U	840.	U	740.	U	730.	U	770.	U
108-39-4	3-Methylphenol (m-Cresol)	1400.	U	1600.	U	1700.	U	1500.	U	1500.	U	1500.	U
106-44-5	4-Methylphenol (p-Cresol)	1400.	U	1600.	U	1700.	U	1500.	U	1500.	U	1500.	U
930-55-2	N-Nitrosopyrrolidine	590.	U	660.	UJ	690.	UJ	600.	UJ	590.	U	630.	U
621-64-7	N-Nitroso-di-n-propylamine	680.	U	760.	U	790.	U	690.	U	680.	U	730.	U
98-86-2	Acetophenone	730.	U	820.	U	860.	U	750.	U	740.	U	780.	U
59-89-2	N-Nitrosomorpholine	830.	U	940.	U	970.	U	850.	U	840.	U	890.	U
636-21-5	o-Toluidine hydrochloride	2200.	U	2500.	U	2600.	U	2300.	U	2200.	U	2400.	U
67-72-1	Hexachloroethane	660.	U	750.	U	780.	U	680.	U	670.	U	710.	U
98-95-3	Nitrobenzene	750.	U	850.	U	880.	U	770.	U	760.	U	810.	U
100-75-4	N-Nitrosopiperidine	820.	U	920.	U	960.	U	840.	U	830.	U	880.	U
78-59-1	Isophorone	750.	U	850.	U	880.	U	770.	U	760.	U	810.	U
88-75-5	2-Nitrophenol	690.	U	770.	U	800.	U	710.	U	690.	U	740.	U
105-67-9	2,4-Dimethylphenol	680.	U	760.	U	790.	U	690.	U	680.	U	730.	U
108-70-3	1,3,5-Trichlorobenzene	680.	U	760.	U	790.	U	690.	U	680.	U	730.	U
98-87-3	Benzal chloride	590.	U	660.	U	690.	U	600.	U	590.	U	630.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	047-S-B002-01	047-S-B003-01	047-S-B003-02	047-S-B004-01	047-C-B004-01	047-S-B004-02
	ORIGINAL ID ----->	047SB00201	047SB00301	047SB00302	047SB00401	047CB00401	047SB00402
	LAB SAMPLE ID --->	697982	703268	703269	703262	703273	703263
	ID FROM REPORT -->	047SB00201	047SB00301	047SB00302	047SB00401	047CB00401	047SB00402
	SAMPLE DATE ----->	04/03/95	04/13/95	04/13/95	04/13/95	04/13/95	04/13/95
	DATE EXTRACTED -->	04/15/95	04/24/95	04/24/95	04/24/95	04/24/95	04/24/95
	DATE ANALYZED --->	04/21/95	04/26/95	04/26/95	04/26/95	04/26/95	04/25/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ----------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0004S	VAL	0010S	VAL	0010S	VAL	0010S	VAL	0010S	VAL	0010S	VAL
126-68-1	O,O,O-Triethylphosphorothioate	5900.	U	6600.	U	6900.	U	6000.	U	5900.	U	6300.	U
65-85-0	Benzoic acid	2100.	U	2400.	U	2500.	U	2200.	U	2100.	U	2300.	U
111-91-1	bis(2-Chloroethoxy)methane	740.	U	840.	U	870.	U	760.	U	750.	U	800.	U
120-83-2	2,4-Dichlorophenol	610.	U	690.	U	710.	U	630.	U	620.	U	650.	U
120-82-1	1,2,4-Trichlorobenzene	610.	U	690.	U	710.	U	630.	U	620.	U	650.	U
91-20-3	Naphthalene	730.	U	820.	U	860.	U	750.	U	740.	U	780.	U
106-47-8	4-Chloroaniline	760.	U	860.	U	900.	U	790.	U	770.	U	820.	U
87-65-0	2,6-Dichlorophenol	1300.	U	1500.	U	1600.	U	1400.	U	1300.	U	1400.	U
1888-71-7	Hexachloropropene	630.	U	710.	U	740.	U	650.	U	640.	U	680.	U
87-68-3	Hexachlorobutadiene	620.	U	700.	U	730.	U	640.	U	630.	U	670.	U
87-61-6	1,2,3-Trichlorobenzene	660.	U	750.	U	780.	U	680.	U	670.	U	710.	U
98-07-7	Benzotrichloride	690.	U	770.	U	800.	U	710.	U	690.	U	740.	U
924-16-3	N-Nitroso-di-n-butylamine	1600.	U	1700.	U	1800.	U	1600.	U	1600.	U	1700.	U
59-50-7	4-Chloro-3-methylphenol	830.	U	940.	U	970.	U	850.	U	840.	U	890.	U
94-59-7	Safrole	640.	U	720.	U	750.	U	660.	U	650.	U	690.	U
91-57-6	2-Methylnaphthalene	930.	U	1000.	U	1100.	U	960.	U	940.	U	1000.	U
90-12-0	1-Methyl naphthalene	1200.	U	1400.	U	1400.	U	1300.	U	1200.	U	1300.	U
77-47-4	Hexachlorocyclopentadiene	730.	U	820.	U	860.	U	750.	U	740.	U	780.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	1400.	U	1600.	U	1700.	U	1500.	U	1500.	U	1500.	U
634-90-2	1,2,3,5-Tetrachlorobenzene	1400.	U	1600.	U	1700.	U	1500.	U	1500.	U	1500.	U
88-06-2	2,4,6-Trichlorophenol	1400.	U	1600.	U	1700.	U	1500.	U	1500.	U	1500.	U
95-95-4	2,4,5-Trichlorophenol	1400.	U	1600.	U	1700.	U	1500.	U	1500.	U	1500.	U
120-58-1	Isosafrole	1400.	U	1600.	U	1700.	U	1500.	U	1500.	U	1500.	U
634-66-2	1,2,3,4-Tetrachlorobenzene	710.	U	800.	U	830.	U	730.	U	720.	U	760.	U
91-58-7	2-Chloronaphthalene	1100.	U	1200.	U	1300.	U	1100.	U	1100.	U	1200.	U
90-13-1	1-Chloronaphthalene	1300.	U	1500.	U	1600.	U	1400.	U	1300.	U	1400.	U
88-74-4	2-Nitroaniline	1200.	U	1400.	U	1400.	U	1300.	U	1200.	U	1300.	U
130-15-4	1,4-Naphthoquinone	1800.	U	2000.	U	2100.	U	1800.	U	1800.	U	1900.	U
131-11-3	Dimethyl phthalate	1100.	U	1200.	U	1300.	U	1100.	U	1100.	U	1200.	U
99-65-0	1,3-Dinitrobenzene	620.	U	700.	U	730.	U	640.	U	630.	U	670.	U
606-20-2	2,6-Dinitrotoluene	830.	U	940.	U	970.	U	850.	U	840.	U	890.	U
208-96-8	Acenaphthylene	740.	U	840.	U	870.	U	760.	U	750.	U	800.	U
99-09-2	3-Nitroaniline	760.	U	860.	U	900.	U	790.	U	770.	U	820.	U
83-32-9	Acenaphthene	730.	U	820.	U	860.	U	750.	U	740.	U	780.	U
51-28-5	2,4-Dinitrophenol	1900.	U	2100.	U	2200.	U	1900.	U	1900.	UJ	2000.	UJ
100-02-7	4-Nitrophenol	5000.	U	5600.	U	5800.	U	5100.	U	5000.	UJ	5400.	UJ

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	047-S-B002-01	047-S-B003-01	047-S-B003-02	047-S-B004-01	047-C-B004-01	047-S-B004-02
	ORIGINAL ID ----->	047SB00201	047SB00301	047SB00302	047SB00401	047CB00401	047SB00402
	LAB SAMPLE ID --->	697982	703268	703269	703262	703273	703263
	ID FROM REPORT -->	047SB00201	047SB00301	047SB00302	047SB00401	047CB00401	047SB00402
	SAMPLE DATE ----->	04/03/95	04/13/95	04/13/95	04/13/95	04/13/95	04/13/95
	DATE EXTRACTED -->	04/15/95	04/24/95	04/24/95	04/24/95	04/24/95	04/24/95
	DATE ANALYZED --->	04/21/95	04/26/95	04/26/95	04/26/95	04/26/95	04/25/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0004S	VAL	0010S	VAL	0010S	VAL	0010S	VAL	0010S	VAL	0010S	VAL
608-93-5	Pentachlorobenzene	730.	U	820.	U	860.	U	750.	U	740.	U	780.	U
121-14-2	2,4-Dinitrotoluene	730.	U	820.	U	860.	U	750.	U	740.	U	780.	U
132-64-9	Dibenzofuran	760.	U	860.	U	900.	U	790.	U	770.	U	820.	U
91-59-8	2-Naphthylamine	950.	U	1100.	U	1100.	U	980.	U	960.	U	1000.	U
58-90-2	2,3,4,6-Tetrachlorophenol	1600.	U	1700.	U	1800.	U	1600.	U	1600.	U	1700.	U
134-32-7	1-Naphthylamine	1600.	U	1700.	U	1800.	U	1600.	U	1600.	U	1700.	U
84-66-2	Diethylphthalate	800.	U	150.	J	930.	U	820.	U	810.	U	860.	U
297-97-2	Thionazin	740.	U	840.	U	870.	U	760.	U	750.	U	800.	U
7005-72-3	4-Chlorophenylphenylether	660.	U	750.	U	780.	U	680.	U	670.	U	710.	U
99-55-8	5-Nitro-o-toluidine	1100.	U	1200.	U	1300.	U	1100.	U	1100.	U	1200.	U
86-73-7	Fluorene	760.	U	860.	U	900.	U	790.	U	770.	U	820.	U
100-01-6	4-Nitroaniline	1200.	U	1400.	U	1400.	U	1300.	U	1200.	U	1300.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	2000.	U	2200.	U	2300.	U	2000.	U	2000.	U	2100.	U
86-30-6	N-Nitrosodiphenylamine	1600.	U	1700.	U	1800.	U	1600.	U	1600.	U	1700.	U
122-39-4	Diphenylamine	1600.	U	1700.	U	1800.	U	1600.	U	1600.	U	1700.	U
122-66-7	Hydrazine, 1,2-diphenyl	760.	U	860.	U	900.	U	790.	U	770.	U	820.	U
99-35-4	1,3,5-Trinitrobenzene	1000.	U	1100.	U	1200.	U	1000.	U	1000.	U	1100.	U
2303-16-4	Diallate	730.	U	820.	U	860.	U	750.	U	740.	U	780.	U
62-44-2	Phenacetin	680.	U	760.	U	790.	U	690.	U	680.	U	730.	U
101-55-3	4-Bromophenyl-phenylether	830.	U	940.	U	970.	U	850.	U	840.	U	890.	U
118-74-1	Hexachlorobenzene	850.	U	960.	U	1000.	U	880.	U	860.	U	920.	U
60-51-5	Dimethoate	730.	U	820.	U	860.	U	750.	U	740.	U	780.	U
92-67-1	4-Aminobiphenyl	450.	U	510.	U	530.	U	470.	U	460.	U	490.	U
87-86-5	Pentachlorophenol	1600.	U	1700.	U	1800.	U	1600.	U	1600.	U	1700.	U
23950-58-5	Pronamide	720.	U	810.	U	840.	U	740.	U	730.	U	770.	U
82-68-8	Pentachloronitrobenzene	710.	U	800.	U	830.	U	730.	U	720.	U	760.	U
85-01-8	Phenanthrene	210.	J	770.	U	800.	U	710.	U	690.	U	740.	U
120-12-7	Anthracene	820.	U	920.	U	960.	U	840.	U	830.	U	880.	U
84-74-2	Di-n-butylphthalate	850.	U	960.	U	1000.	U	880.	U	860.	U	920.	U
56-57-5	4-Nitroquinoline 1-oxide	5300.	UR	6000.	UR	6200.	UR	5500.	UR	5400.	UR	5700.	UR
91-80-5	Methapyrilene	1400.	U	1600.	U	1700.	U	1400.	U	1500.	U	1500.	U
6055-19-2	Cyclophosphamide Hydrate	700.	UR	790.	UR	820.	UR	720.	UR	710.	UR	750.	UR
465-73-6	Isodrin	1000.	U	1100.	U	1200.	U	1000.	U	1000.	U	1100.	U
206-44-0	Fluoranthene	390.	J	1100.	U	1200.	U	1000.	U	1000.	U	1100.	U
92-87-5	Benzidine	1800.	U	2000.	U	2100.	U	1800.	U	1800.	U	1900.	U
129-00-0	Pyrene	370.	J	910.	U	950.	U	830.	U	820.	U	48.	J

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	047-S-B002-01		047-S-B003-01		047-S-B003-02		047-S-B004-01		047-C-B004-01		047-S-B004-02	
	ORIGINAL ID ----->	047SB00201		047SB00301		047SB00302		047SB00401		047CB00401		047SB00402	
	LAB SAMPLE ID --->	697982		703268		703269		703262		703273		703263	
	ID FROM REPORT -->	047SB00201		047SB00301		047SB00302		047SB00401		047CB00401		047SB00402	
	SAMPLE DATE ----->	04/03/95		04/13/95		04/13/95		04/13/95		04/13/95		04/13/95	
	DATE EXTRACTED -->	04/15/95		04/24/95		04/24/95		04/24/95		04/24/95		04/24/95	
	DATE ANALYZED --->	04/21/95		04/26/95		04/26/95		04/26/95		04/26/95		04/25/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0004S	VAL	0010S	VAL	0010S	VAL	0010S	VAL	0010S	VAL	0010S	VAL
140-57-8	Aramite	730.	U	820.	UJ	860.	UJ	750.	UJ	740.	U	780.	U
60-11-7	p-(Dimethylamino)azobenzene	740.	U	840.	U	870.	U	760.	U	750.	U	800.	U
510-15-6	Chlorobenzilate	790.	U	890.	U	920.	U	810.	U	800.	UJ	840.	UJ
52-85-7	Famphur	2200.	UR	2500.	U	2600.	U	2300.	U	2200.	U	2400.	U
85-68-7	Butylbenzylphthalate	750.	U	850.	U	880.	U	770.	U	760.	U	810.	U
119-93-7	3,3-Dimethylbenzidine	1100.	U	1200.	U	1300.	U	1100.	U	1100.	U	1200.	U
53-96-3	Acetamidofluorene	790.	U	890.	U	920.	U	810.	U	800.	U	840.	U
119-90-4	3,3'-Dimethoxybenzidine	1100.	U	1200.	U	1300.	U	1100.	U	1100.	U	1200.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	830.	U	940.	U	970.	U	850.	U	840.	U	890.	U
101-14-4	Benzenamine, 4,4'-methylenebis[2chloro-	500.	U	560.	U	580.	U	510.	U	500.	U	540.	U
91-94-1	3,3'-Dichlorobenzidine	550.	U	620.	U	650.	U	570.	U	560.	U	590.	U
56-55-3	Benzo(a)anthracene	250.	J	820.	U	860.	U	750.	U	740.	U	780.	U
218-01-9	Chrysene	310.	J	670.	U	700.	U	610.	U	600.	U	640.	U
117-84-0	Di-n-octyl phthalate	530.	U	600.	U	620.	U	550.	U	540.	U	570.	U
57-97-6	7,12-Dimethylbenz(a)anthracene	450.	U	510.	U	530.	U	470.	U	460.	U	490.	U
205-99-2	Benzo(b)fluoranthene	450.	J	960.	U	1000.	U	880.	U	860.	U	920.	U
207-08-9	Benzo(k)fluoranthene	540.	J	770.	U	800.	U	710.	U	690.	U	740.	U
50-32-8	Benzo(a)pyrene	240.	J	820.	U	860.	U	750.	U	740.	U	780.	U
56-49-5	3-Methyl cholanthrene	680.	U	760.	U	790.	U	690.	U	680.	U	730.	U
224-42-0	Dibenz(a,j)acridine	450.	U	510.	U	530.	U	470.	U	460.	U	490.	U
193-39-5	Indeno(1,2,3-cd)pyrene	110.	J	570.	U	600.	U	520.	U	520.	U	550.	U
53-70-3	Dibenz(a,h)anthracene	480.	U	540.	U	560.	U	490.	U	480.	U	510.	U
191-24-2	Benzo(g,h,i)perylene	100.	J	770.	U	800.	U	710.	U	690.	U	740.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	047-S-B005-01	047-S-B005-02	047-S-B006-01	047-S-B007-01	047-S-B007-02	047-S-B008-01
	ORIGINAL ID ----->	047SB00501	047SB00502	047SB00601	047SB00701	047SB00702	047SB00801
	LAB SAMPLE ID --->	697008	697014	697020	703490	703496	703270
	ID FROM REPORT -->	047SB00501	047SB00502	047SB00601	047SB00701	047SB00702	047SB00801
	SAMPLE DATE ----->	03/31/95	03/31/95	03/31/95	04/14/95	04/14/95	04/13/95
	DATE EXTRACTED -->	04/10/95	04/10/95	04/10/95	04/25/95	04/25/95	04/24/95
	DATE ANALYZED --->	04/11/95	04/11/95	04/11/95	04/26/95	04/26/95	04/25/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ----------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0003S	VAL	0003S	VAL	0003S	VAL	0012S	VAL	0012S	VAL	0010S	VAL
62-75-9	N-Nitrosodimethylamine	700.	U	800.	U	690.	U	740.	U	900.	U	730.	UJ
110-86-1	Pyridine	590.	U	670.	U	580.	U	620.	U	750.	U	610.	UJ
123-63-7	Paraldehyde	380.	U	440.	U	380.	U	410.	U	490.	U	400.	U
97-63-2	Ethyl methacrylate	630.	U	720.	U	620.	U	670.	U	800.	U	650.	U
109-06-8	2-Picoline	1300.	U	1500.	U	1300.	U	1400.	U	1600.	U	1300.	U
10595-95-6	N-Nitrosomethylethylamine	580.	U	660.	U	570.	U	610.	U	730.	U	590.	U
66-27-3	Methyl methanesulfonate	750.	U	850.	U	740.	U	790.	U	950.	U	770.	U
55-18-5	N-Nitrosodiethylamine	640.	U	730.	U	630.	U	680.	U	820.	U	660.	U
62-50-0	Ethyl methanesulfonate	640.	U	730.	U	630.	U	680.	U	820.	U	660.	U
108-95-2	Phenol	610.	U	690.	U	600.	U	640.	U	780.	U	630.	U
62-53-3	Aniline	600.	U	680.	U	590.	U	630.	U	760.	U	620.	U
111-44-4	bis(2-Chloroethyl)ether	630.	U	720.	U	620.	U	670.	U	800.	U	650.	U
76-01-7	Pentachloroethane	890.	U	1000.	U	870.	U	940.	U	1100.	U	910.	U
95-57-8	2-Chlorophenol	670.	U	770.	U	660.	U	710.	U	860.	U	690.	U
541-73-1	1,3-Dichlorobenzene	540.	U	620.	U	540.	U	580.	U	690.	U	560.	U
100-44-7	Benzyl chloride	620.	U	710.	U	610.	U	650.	U	790.	U	640.	U
106-46-7	1,4-Dichlorobenzene	560.	U	630.	U	550.	U	590.	U	710.	U	570.	U
100-51-6	Benzyl alcohol	590.	U	670.	U	580.	U	620.	U	750.	U	610.	U
95-50-1	1,2-Dichlorobenzene	630.	U	720.	U	620.	U	670.	U	800.	U	650.	U
95-48-7	2-Methylphenol (o-Cresol)	690.	U	790.	U	680.	U	730.	U	880.	U	720.	U
39638-32-9	Bis(2-Chloroisopropyl)Ether	690.	U	790.	U	680.	U	730.	U	880.	U	720.	U
108-39-4	3-Methylphenol (m-Cresol)	1400.	U	1600.	U	1400.	U	1500.	U	1800.	U	1400.	U
106-44-5	4-Methylphenol (p-Cresol)	1400.	U	1600.	U	1400.	U	1500.	U	1800.	U	1400.	U
930-55-2	N-Nitrosopyrrolidine	570.	U	650.	U	560.	U	600.	U	720.	U	580.	U
621-64-7	N-Nitroso-di-n-propylamine	650.	U	740.	U	640.	U	690.	U	830.	U	670.	U
98-86-2	Acetophenone	700.	U	800.	U	690.	U	740.	U	900.	U	730.	U
59-89-2	N-Nitrosomorpholine	800.	U	910.	U	790.	U	850.	U	1000.	U	830.	U
636-21-5	o-Toluidine hydrochloride	2100.	U	2400.	U	2100.	U	2300.	U	2700.	U	2200.	U
67-72-1	Hexachloroethane	640.	U	730.	U	630.	U	680.	U	820.	U	660.	U
98-95-3	Nitrobenzene	730.	U	830.	U	720.	U	770.	U	930.	U	750.	U
100-75-4	N-Nitrosopiperidine	790.	U	900.	U	780.	U	840.	U	1000.	U	810.	U
78-59-1	Isophorone	730.	U	830.	U	720.	U	770.	U	930.	U	750.	U
88-75-5	2-Nitrophenol	660.	U	760.	U	650.	U	700.	U	840.	U	680.	U
105-67-9	2,4-Dimethylphenol	650.	U	740.	U	640.	U	690.	U	830.	U	670.	U
108-70-3	1,3,5-Trichlorobenzene	650.	U	740.	U	640.	U	690.	U	830.	U	670.	U
98-87-3	Benzal chloride	570.	U	650.	U	560.	U	600.	U	720.	U	580.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	047-S-B005-01	047-S-B005-02	047-S-B006-01	047-S-B007-01	047-S-B007-02	047-S-B008-01
	ORIGINAL ID ----->	047SB00501	047SB00502	047SB00601	047SB00701	047SB00702	047SB00801
	LAB SAMPLE ID --->	697008	697014	697020	703490	703496	703270
	ID FROM REPORT -->	047SB00501	047SB00502	047SB00601	047SB00701	047SB00702	047SB00801
	SAMPLE DATE ----->	03/31/95	03/31/95	03/31/95	04/14/95	04/14/95	04/13/95
	DATE EXTRACTED -->	04/10/95	04/10/95	04/10/95	04/25/95	04/25/95	04/24/95
	DATE ANALYZED --->	04/11/95	04/11/95	04/11/95	04/26/95	04/26/95	04/25/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0003S	VAL	0003S	VAL	0003S	VAL	0012S	VAL	0012S	VAL	0010S	VAL
126-68-1	O,O,O-Triethylphosphorothioate	5700.	U	6500.	U	5600.	U	6000.	U	7200.	U	5800.	U
65-85-0	Benzoic acid	2000.	UR	2300.	UR	2000.	UR	2100.	UR	2600.	UR	2100.	U
111-91-1	bis(2-Chloroethoxy)methane	720.	U	820.	U	710.	U	760.	U	910.	U	740.	U
120-83-2	2,4-Dichlorophenol	590.	U	670.	U	580.	U	620.	U	750.	U	610.	U
120-82-1	1,2,4-Trichlorobenzene	590.	U	670.	U	580.	U	620.	U	750.	U	610.	U
91-20-3	Naphthalene	430.	J	800.	U	690.	U	740.	U	150.	J	730.	U
106-47-8	4-Chloroaniline	740.	U	840.	U	730.	U	780.	U	940.	U	760.	U
87-65-0	2,6-Dichlorophenol	1300.	U	1500.	U	1300.	U	1400.	U	1600.	U	1300.	U
1888-71-7	Hexachloropropene	610.	U	690.	U	600.	U	640.	U	780.	U	630.	U
87-68-3	Hexachlorobutadiene	600.	U	680.	U	590.	U	630.	U	760.	U	620.	U
87-61-6	1,2,3-Trichlorobenzene	640.	U	730.	U	630.	U	680.	U	820.	U	660.	U
98-07-7	Benzotrichloride	660.	U	760.	U	650.	U	700.	U	840.	U	680.	U
924-16-3	N-Nitroso-di-n-butylamine	1500.	U	1700.	U	1500.	U	1600.	U	1900.	U	1500.	U
59-50-7	4-Chloro-3-methylphenol	800.	U	910.	U	790.	U	850.	U	1000.	U	830.	U
94-59-7	Safrole	620.	U	710.	U	610.	U	650.	U	790.	U	640.	U
91-57-6	2-Methylnaphthalene	100.	J	1000.	U	880.	U	950.	U	230.	J	920.	U
90-12-0	1-Methyl naphthalene	130.	J	1300.	U	1200.	U	1200.	U	140.	J	1200.	U
77-47-4	Hexachlorocyclopentadiene	700.	U	800.	U	690.	U	740.	UJ	900.	UJ	730.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	1400.	U	1600.	U	1400.	U	1500.	U	1800.	U	1400.	U
634-90-2	1,2,3,5-Tetrachlorobenzene	1400.	U	1600.	U	1400.	U	1500.	U	1800.	U	1400.	U
88-06-2	2,4,6-Trichlorophenol	1400.	U	1600.	U	1400.	U	1500.	U	1800.	U	1400.	U
95-95-4	2,4,5-Trichlorophenol	1400.	U	1600.	U	1400.	U	1500.	U	1800.	U	1400.	U
120-58-1	Isosafrole	1400.	U	1600.	U	1400.	U	1500.	U	1800.	U	1400.	U
634-66-2	1,2,3,4-Tetrachlorobenzene	680.	U	780.	U	670.	U	720.	U	870.	U	700.	U
91-58-7	2-Chloronaphthalene	1000.	U	1200.	U	1000.	U	1100.	U	1300.	U	1100.	U
90-13-1	1-Chloronaphthalene	1300.	U	1500.	U	1300.	U	1400.	U	1600.	U	1300.	U
88-74-4	2-Nitroaniline	1200.	U	1300.	U	1200.	U	1200.	U	1500.	U	1200.	U
130-15-4	1,4-Naphthoquinone	1700.	U	1900.	U	1700.	U	1800.	U	2200.	U	1800.	U
131-11-3	Dimethyl phthalate	1000.	U	1200.	U	1000.	U	1100.	U	1300.	U	1100.	U
99-65-0	1,3-Dinitrobenzene	600.	U	680.	U	590.	U	630.	U	760.	U	620.	U
606-20-2	2,6-Dinitrotoluene	800.	U	910.	U	790.	U	850.	U	1000.	U	830.	U
208-96-8	Acenaphthylene	720.	U	820.	U	710.	U	760.	U	910.	U	740.	U
99-09-2	3-Nitroaniline	740.	U	840.	U	730.	U	780.	U	940.	U	760.	U
83-32-9	Acenaphthene	340.	J	800.	U	690.	U	740.	U	430.	J	730.	U
51-28-5	2,4-Dinitrophenol	1800.	U	2100.	U	1800.	U	1900.	U	2300.	U	1900.	UJ
100-02-7	4-Nitrophenol	4800.	U	5500.	U	4700.	U	5100.	U	6100.	U	5000.	UJ

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	047-S-B005-01	047-S-B005-02	047-S-B006-01	047-S-B007-01	047-S-B007-02	047-S-B008-01
	ORIGINAL ID ----->	047SB00501	047SB00502	047SB00601	047SB00701	047SB00702	047SB00801
	LAB SAMPLE ID --->	697008	697014	697020	703490	703496	703270
	ID FROM REPORT -->	047SB00501	047SB00502	047SB00601	047SB00701	047SB00702	047SB00801
	SAMPLE DATE ----->	03/31/95	03/31/95	03/31/95	04/14/95	04/14/95	04/13/95
	DATE EXTRACTED -->	04/10/95	04/10/95	04/10/95	04/25/95	04/25/95	04/24/95
	DATE ANALYZED --->	04/11/95	04/11/95	04/11/95	04/26/95	04/26/95	04/25/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ----------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0003S	VAL	0003S	VAL	0003S	VAL	0012S	VAL	0012S	VAL	0010S	VAL
608-93-5	Pentachlorobenzene	700.	U	800.	U	690.	U	740.	U	900.	U	730.	U
121-14-2	2,4-Dinitrotoluene	700.	U	800.	U	690.	U	740.	U	900.	U	730.	U
132-64-9	Dibenzofuran	380.	J	840.	U	730.	U	780.	U	69.	J	760.	U
91-59-8	2-Naphthylamine	920.	U	1000.	U	910.	U	970.	U	1200.	U	950.	U
58-90-2	2,3,4,6-Tetrachlorophenol	1500.	U	1700.	U	1500.	U	1600.	U	1900.	U	1500.	U
134-32-7	1-Naphthylamine	1500.	U	1700.	U	1500.	U	1600.	U	1900.	U	1500.	U
84-66-2	Diethylphthalate	770.	U	880.	U	760.	U	810.	U	980.	U	790.	U
297-97-2	Thionazin	720.	U	820.	U	710.	U	760.	U	910.	U	740.	U
7005-72-3	4-Chlorophenylphenylether	640.	U	730.	U	630.	U	680.	U	820.	U	660.	U
99-55-8	5-Nitro-o-toluidine	1100.	U	1200.	U	1100.	U	1100.	U	1400.	U	1100.	U
86-73-7	Fluorene	650.	J	840.	U	730.	U	780.	U	320.	J	760.	U
100-01-6	4-Nitroaniline	1200.	U	1300.	U	1200.	U	1200.	U	1500.	U	1200.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	1900.	U	2200.	U	1900.	U	2000.	U	2400.	U	2000.	U
86-30-6	N-Nitrosodiphenylamine	1500.	U	1700.	U	1500.	U	1600.	U	1900.	U	1500.	U
122-39-4	Diphenylamine	1500.	U	1700.	U	1500.	U	1600.	U	1900.	U	1500.	U
122-66-7	Hydrazine, 1,2-diphenyl	740.	U	840.	U	730.	U	780.	U	940.	U	760.	U
99-35-4	1,3,5-Trinitrobenzene	970.	U	1100.	U	960.	U	1000.	U	1200.	U	1000.	U
2303-16-4	Diallate	700.	U	800.	U	690.	U	740.	U	900.	U	730.	U
62-44-2	Phenacetin	650.	U	740.	U	640.	U	690.	U	830.	U	670.	U
101-55-3	4-Bromophenyl-phenylether	800.	U	910.	U	790.	U	850.	U	1000.	U	830.	U
118-74-1	Hexachlorobenzene	820.	U	940.	U	810.	U	870.	U	1000.	U	850.	U
60-51-5	Dimethoate	700.	U	800.	U	690.	U	740.	U	900.	U	730.	U
92-67-1	4-Aminobiphenyl	440.	U	500.	U	430.	U	460.	U	560.	U	450.	U
87-86-5	Pentachlorophenol	1500.	U	1700.	U	1500.	U	1600.	U	1900.	U	1500.	U
23950-58-5	Pronamide	690.	U	790.	U	680.	U	730.	U	880.	U	720.	U
82-68-8	Pentachloronitrobenzene	680.	U	780.	U	670.	U	720.	U	870.	U	700.	U
85-01-8	Phenanthrene	10000.		320.	J	230.	J	240.	J	660.	J	37.	J
120-12-7	Anthracene	1100.		900.	U	47.	J	48.	J	71.	J	810.	U
84-74-2	Di-n-butylphthalate	820.	U	940.	U	810.	U	86.	J	130.	J	850.	U
56-57-5	4-Nitroquinoline 1-oxide	5100.	U	5800.	U	5100.	U	5400.	UR	6500.	UR	5300.	UR
91-80-5	Methapyrilene	1400.	U	1600.	U	1400.	U	1500.	U	1800.	U	1400.	U
6055-19-2	Cyclophosphamide Hydrate	670.	U	770.	U	660.	U	710.	U	860.	U	690.	UR
465-73-6	Isodrin	980.	U	1100.	U	970.	U	1000.	U	1300.	U	1000.	U
206-44-0	Fluoranthene	17000.		600.	J	640.	J	500.	J	390.	J	120.	J
92-87-5	Benzidine	1700.	U	1900.	U	1700.	U	1800.	U	2200.	U	1800.	U
129-00-0	[illegible]e	12000.		490.	J	660.	J	380.	J	350.	J	110.	J

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	047-S-B005-01	047-S-B005-02	047-S-B006-01	047-S-B007-01	047-S-B007-02	047-S-B008-01
	ORIGINAL ID ----->	047SB00501	047SB00502	047SB00601	047SB00701	047SB00702	047SB00801
	LAB SAMPLE ID --->	697008	697014	697020	703490	703496	703270
	ID FROM REPORT -->	047SB00501	047SB00502	047SB00601	047SB00701	047SB00702	047SB00801
	SAMPLE DATE ----->	03/31/95	03/31/95	03/31/95	04/14/95	04/14/95	04/13/95
	DATE EXTRACTED -->	04/10/95	04/10/95	04/10/95	04/25/95	04/25/95	04/24/95
	DATE ANALYZED --->	04/11/95	04/11/95	04/11/95	04/26/95	04/26/95	04/25/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ----------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0003S	VAL	0003S	VAL	0003S	VAL	0012S	VAL	0012S	VAL	0010S	VAL
140-57-8	Aramite	700.	U	800.	U	690.	U	740.	U	900.	U	730.	U
60-11-7	p-(Dimethylamino)azobenzene	720.	U	820.	U	710.	U	760.	U	910.	U	740.	U
510-15-6	Chlorobenzilate	760.	U	860.	U	750.	U	800.	U	970.	U	780.	UJ
52-85-7	Famphur	2100.	U	2400.	U	2100.	U	2300.	UR	2700.	UR	2200.	U
85-68-7	Butylbenzylphthalate	730.	U	830.	U	720.	U	770.	U	930.	U	750.	U
119-93-7	3,3-Dimethylbenzidine	1000.	U	1200.	U	1000.	U	1100.	U	1300.	U	1100.	U
53-96-3	Acetamidofluorene	760.	U	860.	U	750.	U	800.	U	970.	U	780.	U
119-90-4	3,3'-Dimethoxybenzidine	1000.	U	1200.	U	1000.	U	1100.	U	1300.	U	1100.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	420.	J	910.	U	790.	U	850.	U	1000.	U	830.	U
101-14-4	Benzenamine, 4,4'-methylenebis[2chloro-	480.	U	550.	U	470.	U	510.	U	610.	U	500.	U
91-94-1	3,3'-Dichlorobenzidine	530.	U	610.	U	530.	U	560.	U	680.	U	550.	U
56-55-3	Benzo(a)anthracene	6100.	J	250.	J	360.	J	440.	J	850.	J	74.	J
218-01-9	Chrysene	8500.	J	380.	J	450.	J	400.	J	1200.		72.	J
117-84-0	Di-n-octyl phthalate	510.	U	580.	U	510.	U	540.	U	650.	U	530.	U
57-97-6	7,12-Dimethylbenz(a)anthracene	440.	U	500.	U	430.	U	460.	U	560.	U	450.	U
205-99-2	Benzo(b)fluoranthene	10000.	J	430.	J	580.	J	890.	J	1600.	J	93.	J
207-08-9	Benzo(k)fluoranthene	11000.	J	480.	J	650.	J	860.	J	1500.	J	100.	J
50-32-8	Benzo(a)pyrene	4600.		240.	J	380.	J	430.	J	1700.		730.	U
56-49-5	3-Methyl cholanthrene	650.	U	740.	U	640.	U	690.	U	830.	U	670.	U
224-42-0	Dibenz(a,j)acridine	190.	J	500.	U	430.	U	460.	U	560.	U	450.	U
193-39-5	Indeno(1,2,3-cd)pyrene	3200.		140.	J	300.	J	240.	J	450.	J	510.	U
53-70-3	Dibenz(a,h)anthracene	1000.		520.	U	450.	U	490.	U	720.		470.	U
191-24-2	Benzo(g,h,i)perylene	3000.		150.	J	380.	J	240.	J	570.	J	680.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	047-S-B008-02		047-S-B009-01		047-C-B009-01		047-S-B009-02		047-S-B010-01		047-S-B011-01	
	ORIGINAL ID ----->	047SB00802		047SB00901		047CB00901		047SB00902		047SB01001		047SB01101	
	LAB SAMPLE ID --->	703274		703443		703519		703459		703484		703264	
	ID FROM REPORT -->	047SB00802		047SB00901		047CB00901		047SB00902		047SB01001		047SB01101	
	SAMPLE DATE ----->	04/13/95		04/14/95		04/14/95		04/14/95		04/14/95		04/13/95	
	DATE EXTRACTED -->	04/24/95		04/25/95		04/25/95		04/25/95		04/25/95		04/24/95	
	DATE ANALYZED --->	04/26/95		04/26/95		04/26/95		05/04/95		04/26/95		04/25/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0010S	VAL	0012S	VAL	0012S	VAL	0012S	VAL	0012S	VAL	0010S	VAL
62-75-9	N-Nitrosodimethylamine	1100.	UJ	750.	U	720.	U	960.	U	830.	U	700.	UJ
110-86-1	Pyridine	880.	UJ	630.	U	600.	U	800.	U	690.	U	590.	UJ
123-63-7	Paraldehyde	580.	U	410.	U	390.	U	530.	U	450.	U	380.	U
97-63-2	Ethyl methacrylate	950.	U	670.	U	640.	U	860.	U	740.	U	630.	U
109-06-8	2-Picoline	1900.	U	1400.	U	1300.	U	1800.	U	1500.	U	1300.	U
10595-95-6	N-Nitrosomethylethylamine	870.	U	610.	U	590.	U	790.	U	680.	U	570.	U
66-27-3	Methyl methanesulfonate	1100.	U	800.	U	760.	U	1000.	U	880.	U	750.	U
55-18-5	N-Nitrosodiethylamine	960.	U	680.	U	650.	U	880.	U	750.	U	640.	U
62-50-0	Ethyl methanesulfonate	960.	U	680.	U	650.	U	880.	U	750.	U	640.	U
108-95-2	Phenol	920.	U	650.	U	620.	U	830.	U	710.	U	610.	U
62-53-3	Aniline	900.	U	640.	U	610.	U	820.	UJ	700.	U	600.	U
111-44-4	bis(2-Chloroethyl)ether	950.	U	670.	U	640.	U	860.	U	740.	U	630.	U
76-01-7	Pentachloroethane	1300.	U	940.	U	900.	U	1200.	U	1000.	U	880.	U
95-57-8	2-Chlorophenol	1000.	U	720.	U	680.	U	920.	U	790.	U	670.	U
541-73-1	1,3-Dichlorobenzene	820.	U	580.	U	550.	U	740.	U	640.	U	540.	U
100-44-7	Benzyl chloride	930.	U	660.	U	630.	U	850.	U	730.	U	620.	U
106-46-7	1,4-Dichlorobenzene	840.	U	590.	U	560.	U	760.	U	650.	U	550.	U
100-51-6	Benzyl alcohol	880.	U	630.	U	600.	U	800.	U	690.	U	590.	U
95-50-1	1,2-Dichlorobenzene	950.	U	670.	U	640.	U	860.	U	740.	U	630.	U
95-48-7	2-Methylphenol (o-Cresol)	1000.	U	740.	U	700.	U	950.	U	810.	U	690.	U
39638-32-9	Bis(2-Chloroisopropyl)Ether	1000.	U	740.	U	700.	U	950.	U	810.	U	690.	U
108-39-4	3-Methylphenol (m-Cresol)	2100.	U	1500.	U	1400.	U	1900.	U	1600.	U	1400.	U
106-44-5	4-Methylphenol (p-Cresol)	2100.	U	1500.	U	1400.	U	1900.	U	1600.	U	1400.	U
930-55-2	N-Nitrosopyrrolidine	850.	U	600.	U	570.	U	770.	U	660.	U	560.	U
621-64-7	N-Nitroso-di-n-propylamine	980.	U	690.	U	660.	U	890.	U	760.	U	650.	U
98-86-2	Acetophenone	1100.	U	750.	U	720.	U	960.	U	830.	U	700.	U
59-89-2	N-Nitrosomorpholine	1200.	U	850.	U	810.	U	1100.	U	940.	U	800.	U
636-21-5	o-Toluidine hydrochloride	3200.	U	2300.	U	2200.	U	2900.	UJ	2500.	U	2100.	U
67-72-1	Hexachloroethane	960.	U	680.	U	650.	U	880.	U	750.	U	640.	U
98-95-3	Nitrobenzene	1100.	U	770.	U	740.	U	990.	U	850.	U	720.	U
100-75-4	N-Nitrosopiperidine	1200.	U	840.	U	800.	U	1100.	U	930.	U	790.	U
78-59-1	Isophorone	1100.	U	770.	U	740.	U	990.	U	850.	U	720.	U
88-75-5	2-Nitrophenol	1000.	U	710.	U	670.	U	910.	U	780.	U	660.	U
105-67-9	2,4-Dimethylphenol	980.	U	690.	U	660.	U	890.	U	760.	U	650.	U
108-70-3	1,3,5-Trichlorobenzene	980.	U	690.	U	660.	U	890.	U	760.	U	650.	U
98-87-3	Benzal chloride	850.	U	600.	U	570.	U	770.	U	660.	U	560.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA												
	SAMPLE ID ------->	047-S-B008-02		047-S-B009-01		047-C-B009-01		047-S-B009-02		047-S-B010-01		047-S-B011-01	
	ORIGINAL ID ----->	047SB00802		047SB00901		047CB00901		047SB00902		047SB01001		047SB01101	
	LAB SAMPLE ID --->	703274		703443		703519		703459		703484		703264	
	ID FROM REPORT -->	047SB00802		047SB00901		047CB00901		047SB00902		047SB01001		047SB01101	
	SAMPLE DATE ----->	04/13/95		04/14/95		04/14/95		04/14/95		04/14/95		04/13/95	
	DATE EXTRACTED -->	04/24/95		04/25/95		04/25/95		04/25/95		04/25/95		04/24/95	
	DATE ANALYZED --->	04/26/95		04/26/95		04/26/95		05/04/95		04/26/95		04/25/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0010S	VAL	0012S	VAL	0012S	VAL	0012S	VAL	0012S	VAL	0010S	VAL
126-68-1	O,O,O-Triethylphosphorothioate	8500.	U	6000.	U	5700.	U	7700.	U	6600.	U	5600.	U
65-85-0	Benzoic acid	3100.	U	2200.	UR	2100.	UR	2800.	U	2400.	UR	2000.	U
111-91-1	bis(2-Chloroethoxy)methane	1100.	U	760.	U	730.	U	980.	U	840.	U	710.	U
120-83-2	2,4-Dichlorophenol	880.	U	630.	U	600.	U	800.	U	690.	U	590.	U
120-82-1	1,2,4-Trichlorobenzene	880.	U	630.	U	600.	U	800.	U	690.	U	590.	U
91-20-3	Naphthalene	1100.	U	750.	U	720.	U	960.	U	830.	U	700.	U
106-47-8	4-Chloroaniline	1100.	U	790.	U	750.	U	1000.	UJ	860.	U	730.	U
87-65-0	2,6-Dichlorophenol	1900.	U	1400.	U	1300.	U	1800.	U	1500.	U	1300.	U
1888-71-7	Hexachloropropene	920.	U	650.	U	620.	U	830.	U	710.	U	610.	U
87-68-3	Hexachlorobutadiene	900.	U	640.	U	610.	U	820.	U	700.	U	600.	U
87-61-6	1,2,3-Trichlorobenzene	960.	U	680.	U	650.	U	880.	U	750.	U	640.	U
98-07-7	Benzotrichloride	1000.	U	710.	U	670.	U	910.	U	780.	U	660.	U
924-16-3	N-Nitroso-di-n-butylamine	2200.	U	1600.	U	1500.	U	2000.	U	1800.	U	1500.	U
59-50-7	4-Chloro-3-methylphenol	1200.	U	850.	U	810.	U	1100.	U	940.	U	800.	U
94-59-7	Safrole	930.	U	660.	U	630.	U	850.	U	730.	U	620.	U
91-57-6	2-Methylnaphthalene	1400.	U	960.	U	42.	J	1200.	U	1100.	U	890.	U
90-12-0	1-Methyl naphthalene	1800.	U	1300.	U	64.	J	1600.	U	1400.	U	1200.	U
77-47-4	Hexachlorocyclopentadiene	1100.	U	750.	UJ	720.	UJ	960.	U	830.	UJ	700.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	2100.	U	1500.	U	1400.	U	1900.	U	1600.	U	1400.	U
634-90-2	1,2,3,5-Tetrachlorobenzene	2100.	U	1500.	U	1400.	U	1900.	U	1600.	U	1400.	U
88-06-2	2,4,6-Trichlorophenol	2100.	U	1500.	U	1400.	U	1900.	U	1600.	U	1400.	U
95-95-4	2,4,5-Trichlorophenol	2100.	U	1500.	U	1400.	U	1900.	U	1600.	U	1400.	U
120-58-1	Isosafrole	2100.	U	1500.	U	1400.	U	1900.	U	1600.	U	1400.	U
634-66-2	1,2,3,4-Tetrachlorobenzene	1000.	U	730.	U	690.	U	930.	U	800.	U	680.	U
91-58-7	2-Chloronaphthalene	1600.	U	1100.	U	1100.	U	1400.	U	1200.	U	1000.	U
90-13-1	1-Chloronaphthalene	1900.	U	1400.	U	1300.	U	1800.	U	1500.	U	1300.	U
88-74-4	2-Nitroaniline	1800.	U	1300.	U	1200.	U	1600.	U	1400.	U	1200.	U
130-15-4	1,4-Naphthoquinone	2600.	U	1800.	U	1700.	U	2300.	U	2000.	U	1700.	U
131-11-3	Dimethyl phthalate	1600.	U	1100.	U	1100.	U	1400.	U	1200.	U	1000.	U
99-65-0	1,3-Dinitrobenzene	900.	U	640.	U	610.	U	820.	U	700.	U	600.	U
606-20-2	2,6-Dinitrotoluene	1200.	U	850.	U	810.	U	1100.	U	940.	U	800.	U
208-96-8	Acenaphthylene	1100.	U	760.	U	730.	U	980.	U	840.	U	710.	U
99-09-2	3-Nitroaniline	1100.	U	790.	U	750.	U	1000.	U	860.	U	730.	U
83-32-9	Acenaphthene	1100.	U	750.	U	64.	J	310.	J	830.	U	45.	J
51-28-5	2,4-Dinitrophenol	2700.	UJ	1900.	U	1800.	U	2500.	U	2100.	U	1800.	UJ
100-02-7	4-Nitrophenol	7200.	UJ	5100.	U	4900.	U	6600.	U	5600.	U	4800.	UJ

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	047-S-B008-02		047-S-B009-01		047-C-B009-01		047-S-B009-02		047-S-B010-01		047-S-B011-01	
	ORIGINAL ID ----->	047SB00802		047SB00901		047CB00901		047SB00902		047SB01001		047SB01101	
	LAB SAMPLE ID --->	703274		703443		703519		703459		703484		703264	
	ID FROM REPORT -->	047SB00802		047SB00901		047CB00901		047SB00902		047SB01001		047SB01101	
	SAMPLE DATE ----->	04/13/95		04/14/95		04/14/95		04/14/95		04/14/95		04/13/95	
	DATE EXTRACTED -->	04/24/95		04/25/95		04/25/95		04/25/95		04/25/95		04/24/95	
	DATE ANALYZED --->	04/26/95		04/26/95		04/26/95		05/04/95		04/26/95		04/25/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0010S	VAL	0012S	VAL	0012S	VAL	0012S	VAL	0012S	VAL	0010S	VAL
608-93-5	Pentachlorobenzene	1100.	U	750.	U	720.	U	960.	U	830.	U	700.	U
121-14-2	2,4-Dinitrotoluene	1100.	U	750.	U	720.	U	960.	U	830.	U	700.	U
132-64-9	Dibenzofuran	1100.	U	790.	U	70.	J	200.	J	860.	U	730.	U
91-59-8	2-Naphthylamine	1400.	U	980.	U	930.	U	1300.	U	1100.	U	920.	U
58-90-2	2,3,4,6-Tetrachlorophenol	2200.	U	1600.	U	1500.	U	2000.	U	1800.	U	1500.	U
134-32-7	1-Naphthylamine	2200.	U	1600.	U	1500.	U	2000.	U	1800.	U	1500.	U
84-66-2	Diethylphthalate	1200.	U	820.	U	780.	U	1100.	U	900.	U	770.	U
297-97-2	Thionazin	1100.	U	760.	U	730.	U	980.	U	840.	U	710.	U
7005-72-3	4-Chlorophenylphenylether	960.	U	680.	U	650.	U	880.	U	750.	U	640.	U
99-55-8	5-Nitro-o-toluidine	1600.	U	1100.	U	1100.	U	1500.	U	1300.	U	1100.	U
86-73-7	Fluorene	1100.	U	52.	J	96.	J	560.	J	860.	U	58.	J
100-01-6	4-Nitroaniline	1800.	U	1300.	U	1200.	U	1600.	U	1400.	U	1200.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	2900.	U	2000.	U	2000.	U	2600.	U	2300.	U	1900.	U
86-30-6	N-Nitrosodiphenylamine	2200.	U	1600.	U	1500.	U	2000.	U	1800.	U	1500.	U
122-39-4	Diphenylamine	2200.	U	1600.	U	1500.	U	2000.	U	1800.	U	1500.	U
122-66-7	Hydrazine, 1,2-diphenyl	1100.	U	790.	U	750.	U	1000.	U	860.	U	730.	U
99-35-4	1,3,5-Trinitrobenzene	1500.	U	1000.	U	990.	U	1300.	U	1100.	U	970.	U
2303-16-4	Diallate	1100.	U	750.	U	720.	U	960.	U	830.	U	700.	U
62-44-2	Phenacetin	980.	U	690.	U	660.	U	890.	U	760.	U	650.	U
101-55-3	4-Bromophenyl-phenylether	1200.	U	850.	U	810.	U	1100.	U	940.	U	800.	U
118-74-1	Hexachlorobenzene	1200.	U	880.	U	840.	U	1100.	U	960.	U	820.	U
60-51-5	Dimethoate	1100.	U	750.	U	720.	U	960.	U	830.	U	700.	U
92-67-1	4-Aminobiphenyl	660.	U	470.	U	440.	U	600.	U	510.	U	440.	U
87-86-5	Pentachlorophenol	2200.	U	1600.	U	1500.	U	2000.	U	1800.	U	1500.	U
23950-58-5	Pronamide	1000.	U	740.	U	700.	U	950.	U	810.	U	690.	U
82-68-8	Pentachloronitrobenzene	1000.	U	730.	U	690.	U	930.	U	800.	U	680.	U
85-01-8	Phenanthrene	1000.	U	950.		1400.		3300.		780.	U	800.	
120-12-7	Anthracene	1200.	U	250.	J	310.	J	880.	J	930.	U	130.	J
84-74-2	Di-n-butylphthalate	1200.	U	150.	J	120.	J	94.	J	960.	U	820.	U
56-57-5	4-Nitroquinoline 1-oxide	7700.	UR	5500.	UR	5200.	UR	7000.	UR	6000.	UR	5100.	UR
91-80-5	Methapyrilene	2100.	U	1500.	U	1400.	U	1900.	U	1600.	U	1400.	U
6055-19-2	Cyclophosphamide Hydrate	1000.	UR	720.	U	680.	U	920.	UR	790.	U	670.	UR
465-73-6	Isodrin	1500.	U	1000.	U	1000.	U	1300.	U	1200.	U	980.	U
206-44-0	Fluoranthene	1500.	U	1300.		1300.		2800.		1200.	U	1300.	
92-87-5	Benzidine	2600.	U	1800.	U	1700.	U	2300.	U	2000.	U	1700.	U
129-00-0	Pyrene	1200.	U	960.		1000.		1900.		910.	U	860.	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA							
SAMPLE ID ------->	047-S-B008-02	047-S-B009-01	047-C-B009-01	047-S-B009-02	047-S-B010-01	047-S-B011-01
ORIGINAL ID ----->	047SB00802	047SB00901	047CB00901	047SB00902	047SB01001	047SB01101
LAB SAMPLE ID --->	703274	703443	703519	703459	703484	703264
ID FROM REPORT -->	047SB00802	047SB00901	047CB00901	047SB00902	047SB01001	047SB01101
SAMPLE DATE ----->	04/13/95	04/14/95	04/14/95	04/14/95	04/14/95	04/13/95
DATE EXTRACTED -->	04/24/95	04/25/95	04/25/95	04/25/95	04/25/95	04/24/95
DATE ANALYZED --->	04/26/95	04/26/95	04/26/95	05/04/95	04/26/95	04/25/95
MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
UNITS ----------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0010S	VAL	0012S	VAL	0012S	VAL	0012S	VAL	0012S	VAL	0010S	VAL
140-57-8	Aramite	1100.	U	750.	U	720.	U	960.	U	830.	U	700.	U
60-11-7	p-(Dimethylamino)azobenzene	1100.	U	760.	U	730.	U	980.	U	840.	U	710.	U
510-15-6	Chlorobenzilate	1100.	UJ	810.	U	770.	U	1000.	U	890.	U	760.	UJ
52-85-7	Famphur	3200.	U	2300.	UR	2200.	UR	2900.	U	2500.	UR	2100.	U
85-68-7	Butylbenzylphthalate	1100.	U	770.	U	740.	U	990.	U	850.	U	720.	U
119-93-7	3,3-Dimethylbenzidine	1600.	U	1100.	U	1100.	U	1400.	U	1200.	U	1000.	U
53-96-3	Acetamidofluorene	1100.	U	810.	U	770.	U	1000.	U	890.	U	760.	U
119-90-4	3,3'-Dimethoxybenzidine	1600.	U	1100.	U	1100.	U	1400.	U	1200.	U	1000.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	1200.	U	850.	U	810.	U	1100.	U	940.	U	800.	U
101-14-4	Benzenamine, 4,4'-methylenebis[2chloro-	720.	U	510.	U	490.	U	660.	U	560.	U	480.	U
91-94-1	3,3'-Dichlorobenzidine	800.	U	570.	U	540.	U	730.	U	630.	U	530.	U
56-55-3	Benzo(a)anthracene	1100.	U	880.		710.	J	1600.		830.	U	560.	J
218-01-9	Chrysene	870.	U	800.		820.		1300.		680.	U	600.	
117-84-0	Di-n-octyl phthalate	770.	U	550.	U	520.	U	700.	U	600.	U	510.	U
57-97-6	7,12-Dimethylbenz(a)anthracene	660.	U	470.	U	440.	U	600.	U	510.	U	440.	U
205-99-2	Benzo(b)fluoranthene	1200.	U	1100.	J	1900.	J	1700.	J	960.	U	800.	J
207-08-9	Benzo(k)fluoranthene	1000.	U	1100.	J	1800.	J	2500.	J	780.	U	870.	
50-32-8	Benzo(a)pyrene	1100.	U	660.	J	1200.		1200.		830.	U	400.	J
56-49-5	3-Methyl cholanthrene	980.	U	690.	U	660.	U	890.	U	760.	U	650.	U
224-42-0	Dibenz(a,j)acridine	660.	U	470.	U	440.	U	600.	U	510.	U	440.	U
193-39-5	Indeno(1,2,3-cd)pyrene	740.	U	330.	J	500.	U	630.	J	580.	U	220.	J
53-70-3	Dibenz(a,h)anthracene	690.	U	82.	J	470.	U	180.	J	540.	U	460.	U
191-24-2	Benzo(g,h,i)perylene	1000.	U	310.	J	670.	U	600.	J	780.	U	210.	J
108-60-1	2,2'-oxybis(1-Chloropropane)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA													
	SAMPLE ID ------>	047-S-B011-02		047-S-B012-01		047-S-B012-02		047-S-B013-01		047-S-B013-02		047-S-B015-01	
	ORIGINAL ID ----->	047SB01102		047SB01201		047SB01202		047SB01301		047SB01302		047SB01501	
	LAB SAMPLE ID --->	703265		703266		703267		703271		703272		703256	
	ID FROM REPORT -->	047SB01102		047SB01201		047SB01202		047SB01301		047SB01302		047SB01501	
	SAMPLE DATE ----->	04/13/95		04/13/95		04/13/95		04/13/95		04/13/95		04/13/95	
	DATE EXTRACTED -->	04/24/95		04/24/95		04/24/95		04/24/95		04/24/95		04/24/95	
	DATE ANALYZED --->	04/25/95		04/25/95		04/25/95		04/26/95		04/26/95		04/25/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0010S	VAL	0010S	VAL	0010S	VAL	0010S	VAL	0010S	VAL	0010S	VAL
62-75-9	N-Nitrosodimethylamine	780.	UJ	700.	UJ	720.	UJ	700.	UJ	770.	UJ	690.	UJ
110-86-1	Pyridine	650.	UJ	580.	UJ	600.	UJ	580.	UJ	640.	UJ	580.	UJ
123-63-7	Paraldehyde	430.	U	380.	U	390.	U	380.	U	420.	U	380.	U
97-63-2	Ethyl methacrylate	700.	U	620.	U	640.	U	630.	U	680.	U	620.	U
109-06-8	2-Picoline	1400.	U	1300.	U	1300.	U	1300.	U	1400.	U	1300.	U
10595-95-6	N-Nitrosomethylethylamine	640.	U	570.	U	590.	U	570.	U	630.	U	570.	U
66-27-3	Methyl methanesulfonate	830.	U	740.	U	760.	U	740.	U	810.	U	730.	U
55-18-5	N-Nitrosodiethylamine	710.	U	630.	U	650.	U	640.	U	700.	U	630.	U
62-50-0	Ethyl methanesulfonate	710.	U	630.	U	650.	U	640.	U	700.	U	630.	U
108-95-2	Phenol	680.	U	600.	U	620.	U	600.	U	660.	U	600.	U
62-53-3	Aniline	660.	U	590.	U	610.	U	590.	U	650.	U	590.	U
111-44-4	bis(2-Chloroethyl)ether	700.	U	620.	U	640.	U	630.	U	680.	U	620.	U
76-01-7	Pentachloroethane	980.	U	870.	U	900.	U	880.	U	960.	U	870.	U
95-57-8	2-Chlorophenol	750.	U	660.	U	690.	U	670.	U	730.	U	660.	U
541-73-1	1,3-Dichlorobenzene	600.	U	540.	U	550.	U	540.	U	590.	U	540.	U
100-44-7	Benzyl chloride	690.	U	610.	U	630.	U	620.	U	670.	U	610.	U
106-46-7	1,4-Dichlorobenzene	620.	U	550.	U	570.	U	550.	U	600.	U	550.	U
100-51-6	Benzyl alcohol	650.	U	580.	U	600.	U	580.	U	640.	U	580.	U
95-50-1	1,2-Dichlorobenzene	700.	U	620.	U	640.	U	630.	U	680.	U	620.	U
95-48-7	2-Methylphenol (o-Cresol)	770.	U	680.	U	710.	U	690.	U	750.	U	680.	U
39638-32-9	Bis(2-Chloroisopropyl)Ether	770.	U	680.	U	710.	U	690.	U	750.	U	680.	U
108-39-4	3-Methylphenol (m-Cresol)	1500.	U	1400.	U	1400.	U	1400.	U	1500.	U	1400.	U
106-44-5	4-Methylphenol (p-Cresol)	1500.	U	1400.	U	1400.	U	1400.	U	1500.	U	1400.	U
930-55-2	N-Nitrosopyrrolidine	630.	U	560.	U	580.	U	560.	U	620.	U	560.	U
621-64-7	N-Nitroso-di-n-propylamine	720.	U	640.	U	660.	U	650.	U	710.	U	640.	U
98-86-2	Acetophenone	780.	U	700.	U	720.	U	700.	U	770.	U	690.	U
59-89-2	N-Nitrosomorpholine	890.	U	790.	U	820.	U	800.	U	870.	U	790.	U
636-21-5	o-Toluidine hydrochloride	2400.	U	2100.	U	2200.	U	2100.	U	2300.	U	2100.	U
67-72-1	Hexachloroethane	710.	U	630.	U	650.	U	640.	U	700.	U	630.	U
98-95-3	Nitrobenzene	810.	U	720.	U	740.	U	720.	U	790.	U	710.	U
100-75-4	N-Nitrosopiperidine	880.	U	780.	U	810.	U	790.	U	860.	U	780.	U
78-59-1	Isophorone	810.	U	720.	U	740.	U	720.	U	790.	U	710.	U
88-75-5	2-Nitrophenol	730.	U	650.	U	670.	U	660.	U	720.	U	650.	U
105-67-9	2,4-Dimethylphenol	720.	U	640.	U	660.	U	650.	U	710.	U	640.	U
108-70-3	1,3,5-Trichlorobenzene	720.	U	640.	U	660.	U	650.	U	710.	U	640.	U
98-87-3	Benzal chloride	630.	U	560.	U	580.	U	560.	U	620.	U	560.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	047-S-B011-02	047-S-B012-01	047-S-B012-02	047-S-B013-01	047-S-B013-02	047-S-B015-01
	ORIGINAL ID ----->	047SB01102	047SB01201	047SB01202	047SB01301	047SB01302	047SB01501
	LAB SAMPLE ID --->	703265	703266	703267	703271	703272	703256
	ID FROM REPORT -->	047SB01102	047SB01201	047SB01202	047SB01301	047SB01302	047SB01501
	SAMPLE DATE ----->	04/13/95	04/13/95	04/13/95	04/13/95	04/13/95	04/13/95
	DATE EXTRACTED -->	04/24/95	04/24/95	04/24/95	04/24/95	04/24/95	04/24/95
	DATE ANALYZED --->	04/25/95	04/25/95	04/25/95	04/26/95	04/26/95	04/25/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0010S	VAL	0010S	VAL	0010S	VAL	0010S	VAL	0010S	VAL	0010S	VAL
126-68-1	O,O,O-Triethylphosphorothioate	6300.	U	5600.	U	5800.	U	5600.	U	6200.	U	5600.	U
65-85-0	Benzoic acid	2300.	U	2000.	U	2100.	U	2000.	U	2200.	U	2000.	U
111-91-1	bis(2-Chloroethoxy)methane	790.	U	710.	U	730.	U	710.	U	780.	U	700.	U
120-83-2	2,4-Dichlorophenol	650.	U	580.	U	600.	U	580.	U	640.	U	580.	U
120-82-1	1,2,4-Trichlorobenzene	650.	U	580.	UJ	600.	U	580.	U	640.	U	580.	U
91-20-3	Naphthalene	780.	U	700.	U	720.	U	700.	U	770.	U	690.	U
106-47-8	4-Chloroaniline	820.	U	730.	U	750.	U	730.	U	800.	U	720.	U
87-65-0	2,6-Dichlorophenol	1400.	U	1300.	U	1300.	U	1300.	U	1400.	U	1300.	U
1888-71-7	Hexachloropropene	680.	U	600.	U	620.	U	600.	U	660.	U	600.	U
87-68-3	Hexachlorobutadiene	660.	U	590.	U	610.	U	590.	U	650.	U	590.	U
87-61-6	1,2,3-Trichlorobenzene	710.	U	630.	U	650.	U	640.	U	700.	U	630.	U
98-07-7	Benzotrichloride	730.	U	650.	U	670.	U	660.	U	720.	U	650.	U
924-16-3	N-Nitroso-di-n-butylamine	1700.	U	1500.	U	1500.	U	1500.	U	1600.	U	1500.	U
59-50-7	4-Chloro-3-methylphenol	890.	U	790.	U	820.	U	800.	U	870.	U	790.	U
94-59-7	Safrole	690.	U	610.	U	630.	U	620.	U	670.	U	610.	U
91-57-6	2-Methylnaphthalene	1000.	U	880.	U	910.	U	890.	U	980.	U	880.	U
90-12-0	1-Methyl naphthalene	1300.	U	1200.	U	1200.	U	1200.	U	1300.	U	1200.	U
77-47-4	Hexachlorocyclopentadiene	780.	U	700.	U	720.	U	700.	U	770.	U	690.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	1500.	U	1400.	U	1400.	U	1400.	U	1500.	U	1400.	U
634-90-2	1,2,3,5-Tetrachlorobenzene	1500.	U	1400.	U	1400.	U	1400.	U	1500.	U	1400.	U
88-06-2	2,4,6-Trichlorophenol	1500.	U	1400.	U	1400.	U	1400.	U	1500.	U	1400.	U
95-95-4	2,4,5-Trichlorophenol	1500.	U	1400.	U	1400.	U	1400.	U	1500.	U	1400.	U
120-58-1	Isosafrole	1500.	U	1400.	U	1400.	U	1400.	U	1500.	U	1400.	U
634-66-2	1,2,3,4-Tetrachlorobenzene	760.	U	670.	U	700.	U	680.	U	740.	U	670.	U
91-58-7	2-Chloronaphthalene	1200.	U	1000.	U	1100.	U	1000.	U	1100.	U	1000.	U
90-13-1	1-Chloronaphthalene	1400.	U	1300.	U	1300.	U	1300.	U	1400.	U	1300.	U
88-74-4	2-Nitroaniline	1300.	U	1200.	U	1200.	U	1200.	U	1300.	U	1200.	U
130-15-4	1,4-Naphthoquinone	1900.	U	1700.	U	1700.	U	1700.	U	1900.	U	1700.	U
131-11-3	Dimethyl phthalate	1200.	U	1000.	U	1100.	U	1000.	U	1100.	U	1000.	U
99-65-0	1,3-Dinitrobenzene	660.	U	590.	U	610.	U	590.	U	650.	U	590.	U
606-20-2	2,6-Dinitrotoluene	890.	U	790.	U	820.	U	800.	U	870.	U	790.	U
208-96-8	Acenaphthylene	790.	U	710.	U	730.	U	710.	U	780.	U	700.	U
99-09-2	3-Nitroaniline	820.	U	730.	U	750.	U	730.	U	800.	U	720.	U
83-32-9	Acenaphthene	780.	U	700.	UJ	720.	U	700.	U	770.	U	690.	U
51-28-5	2,4-Dinitrophenol	2000.	UJ	1800.	UJ	1800.	UJ	1800.	UJ	2000.	UJ	1800.	UJ
100-02-7	4-Nitrophenol	5300.	UJ	4700.	UJ	4900.	UJ	4800.	UJ	5200.	UJ	4700.	UJ

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	047-S-B011-02		047-S-B012-01		047-S-B012-02		047-S-B013-01		047-S-B013-02		047-S-B015-01	
	ORIGINAL ID ----->	047SB01102		047SB01201		047SB01202		047SB01301		047SB01302		047SB01501	
	LAB SAMPLE ID --->	703265		703266		703267		703271		703272		703256	
	ID FROM REPORT -->	047SB01102		047SB01201		047SB01202		047SB01301		047SB01302		047SB01501	
	SAMPLE DATE ----->	04/13/95		04/13/95		04/13/95		04/13/95		04/13/95		04/13/95	
	DATE EXTRACTED -->	04/24/95		04/24/95		04/24/95		04/24/95		04/24/95		04/24/95	
	DATE ANALYZED --->	04/25/95		04/25/95		04/25/95		04/26/95		04/26/95		04/25/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0010S	VAL	0010S	VAL	0010S	VAL	0010S	VAL	0010S	VAL	0010S	VAL
608-93-5	Pentachlorobenzene	780.	U	700.	U	720.	U	700.	U	770.	U	690.	U
121-14-2	2,4-Dinitrotoluene	780.	U	700.	U	720.	U	700.	U	770.	U	690.	U
132-64-9	Dibenzofuran	820.	U	730.	U	750.	U	730.	U	800.	U	720.	U
91-59-8	2-Naphthylamine	1000.	U	910.	U	940.	U	910.	U	1000.	U	900.	U
58-90-2	2,3,4,6-Tetrachlorophenol	1700.	U	1500.	U	1500.	U	1500.	U	1600.	U	1500.	U
134-32-7	1-Naphthylamine	1700.	U	1500.	U	1500.	U	1500.	U	1600.	U	1500.	U
84-66-2	Diethylphthalate	850.	U	760.	U	780.	U	760.	U	840.	U	760.	U
297-97-2	Thionazin	790.	U	710.	U	730.	U	710.	U	780.	U	700.	U
7005-72-3	4-Chlorophenylphenylether	710.	U	630.	U	650.	U	640.	U	700.	U	630.	U
99-55-8	5-Nitro-o-toluidine	1200.	U	1100.	U	1100.	U	1100.	U	1200.	U	1000.	U
86-73-7	Fluorene	820.	U	730.	U	750.	U	730.	U	800.	U	720.	U
100-01-6	4-Nitroaniline	1300.	U	1200.	U	1200.	U	1200.	U	1300.	U	1200.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	2100.	U	1900.	U	2000.	U	1900.	U	2100.	U	1900.	U
86-30-6	N-Nitrosodiphenylamine	1700.	U	1500.	U	1500.	U	1500.	U	1600.	U	1500.	U
122-39-4	Diphenylamine	1700.	U	1500.	U	1500.	U	1500.	U	1600.	U	1500.	U
122-66-7	Hydrazine, 1,2-diphenyl	820.	U	730.	U	750.	U	730.	U	800.	U	720.	U
99-35-4	1,3,5-Trinitrobenzene	1100.	U	960.	U	990.	U	970.	U	1100.	U	950.	U
2303-16-4	Diallate	780.	U	700.	U	720.	U	700.	U	770.	U	690.	U
62-44-2	Phenacetin	720.	U	640.	U	660.	U	650.	U	710.	U	640.	U
101-55-3	4-Bromophenyl-phenylether	890.	U	790.	U	820.	U	800.	U	870.	U	790.	U
118-74-1	Hexachlorobenzene	910.	U	810.	U	840.	U	820.	U	890.	U	810.	U
60-51-5	Dimethoate	780.	U	700.	U	720.	U	700.	U	770.	U	690.	U
92-67-1	4-Aminobiphenyl	490.	U	430.	U	450.	U	440.	U	480.	U	430.	U
87-86-5	Pentachlorophenol	1700.	U	1500.	UJ	1500.	U	1500.	U	1600.	U	1500.	U
23950-58-5	Pronamide	770.	U	680.	U	710.	U	690.	U	750.	U	680.	U
82-68-8	Pentachloronitrobenzene	760.	U	670.	U	700.	U	680.	U	740.	U	670.	U
85-01-8	Phenanthrene	730.	U	110.	J	670.	U	660.	U	720.	U	650.	U
120-12-7	Anthracene	880.	U	780.	U	810.	U	790.	U	860.	U	780.	U
84-74-2	Di-n-butylphthalate	910.	U	810.	U	840.	U	820.	U	890.	U	810.	U
56-57-5	4-Nitroquinoline 1-oxide	5700.	UR	5100.	UR	5200.	UR	5100.	UR	5600.	UR	5000.	UR
91-80-5	Methapyrilene	1500.	U	1400.	U	1400.	U	1400.	U	1500.	U	1400.	U
6055-19-2	Cyclophosphamide Hydrate	750.	UR	660.	UR	690.	UR	670.	UR	730.	UR	660.	UR
465-73-6	Isodrin	1100.	U	970.	U	1000.	U	980.	U	1100.	U	970.	U
206-44-0	Fluoranthene	1100.	U	180.	J	1000.	U	980.	U	1100.	U	970.	U
92-87-5	Benzidine	1900.	U	1700.	U	1700.	U	1700.	U	1900.	U	1700.	U
129-00-0	P e	870.	U	200.	J	790.	U	770.	U	850.	U	770.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	047-S-B011-02	047-S-B012-01	047-S-B012-02	047-S-B013-01	047-S-B013-02	047-S-B015-01
	ORIGINAL ID ----->	047SB01102	047SB01201	047SB01202	047SB01301	047SB01302	047SB01501
	LAB SAMPLE ID --->	703265	703266	703267	703271	703272	703256
	ID FROM REPORT -->	047SB01102	047SB01201	047SB01202	047SB01301	047SB01302	047SB01501
	SAMPLE DATE ----->	04/13/95	04/13/95	04/13/95	04/13/95	04/13/95	04/13/95
	DATE EXTRACTED -->	04/24/95	04/24/95	04/24/95	04/24/95	04/24/95	04/24/95
	DATE ANALYZED --->	04/25/95	04/25/95	04/25/95	04/26/95	04/26/95	04/25/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0010S	VAL	0010S	VAL	0010S	VAL	0010S	VAL	0010S	VAL	0010S	VAL
140-57-8	Aramite	780.	U	700.	U	720.	U	700.	U	770.	U	690.	U
60-11-7	p-(Dimethylamino)azobenzene	790.	U	710.	U	730.	U	710.	U	780.	U	700.	U
510-15-6	Chlorobenzilate	840.	UJ	750.	UJ	770.	UJ	750.	UJ	820.	UJ	740.	UJ
52-85-7	Famphur	2400.	U	2100.	U	2200.	U	2100.	U	2300.	U	2100.	U
85-68-7	Butylbenzylphthalate	810.	U	720.	U	740.	U	720.	U	790.	U	710.	U
119-93-7	3,3-Dimethylbenzidine	1200.	U	1000.	U	1100.	U	1000.	U	1100.	U	1000.	U
53-96-3	Acetamidofluorene	840.	U	750.	U	770.	U	750.	U	820.	U	740.	U
119-90-4	3,3'-Dimethoxybenzidine	1200.	U	1000.	U	1100.	U	1000.	U	1100.	U	1000.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	890.	U	790.	U	820.	U	800.	U	870.	U	790.	U
101-14-4	Benzenamine, 4,4'-methylenebis[2chloro-	530.	U	470.	U	490.	U	480.	U	520.	U	470.	U
91-94-1	3,3'-Dichlorobenzidine	590.	U	530.	U	540.	U	530.	U	580.	U	520.	U
56-55-3	Benzo(a)anthracene	780.	U	110.	J	720.	U	700.	U	770.	U	690.	U
218-01-9	Chrysene	640.	U	130.	J	590.	U	570.	U	630.	U	570.	U
117-84-0	Di-n-octyl phthalate	570.	U	510.	U	520.	U	510.	U	560.	U	500.	U
57-97-6	7,12-Dimethylbenz(a)anthracene	490.	U	430.	U	450.	U	440.	U	480.	U	430.	U
205-99-2	Benzo(b)fluoranthene	910.	U	150.	J	840.	U	820.	U	890.	U	810.	U
207-08-9	Benzo(k)fluoranthene	730.	U	170.	J	670.	U	660.	U	720.	U	650.	U
50-32-8	Benzo(a)pyrene	780.	U	84.	J	720.	U	700.	U	770.	U	690.	U
56-49-5	3-Methyl cholanthrene	720.	U	640.	U	660.	U	650.	U	710.	U	640.	U
224-42-0	Dibenz(a,j)acridine	490.	U	430.	U	450.	U	440.	U	480.	U	430.	U
193-39-5	Indeno(1,2,3-cd)pyrene	550.	U	480.	U	500.	U	490.	U	530.	U	480.	U
53-70-3	Dibenz(a,h)anthracene	510.	U	450.	U	470.	U	460.	U	500.	U	450.	U
191-24-2	Benzo(g,h,i)perylene	730.	U	650.	U	670.	U	660.	U	720.	U	650.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	047-S-B015-02	047-S-B016-01	047-C-B016-01	047-S-B017-01	047-S-B018-01	047-S-B019-01
	ORIGINAL ID ----->	047SB01502	047SB01601	047CB01601	047SB01701	047SB01801	047SB01901
	LAB SAMPLE ID --->	703261	738016	738017	738364	738365	738363
	ID FROM REPORT -->	047SB01502	047SB01601	047CB01601	047SB01701	047SB01801	047SB01901
	SAMPLE DATE ----->	04/13/95	07/05/95	07/05/95	07/06/95	07/06/95	07/06/95
	DATE EXTRACTED -->	04/24/95	07/07/95	07/07/95	07/11/95	07/11/95	07/11/95
	DATE ANALYZED --->	04/25/95	07/22/95	07/22/95	07/23/95	07/24/95	07/24/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ----------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0010S	VAL	0022S	VAL	0022S	VAL	0022S	VAL	0022S	VAL	0022S	VAL
62-75-9	N-Nitrosodimethylamine	840.	UJ	710.	U	720.	U	660.	U	750.	U	760.	U
110-86-1	Pyridine	700.	UJ	590.	UJ	600.	UJ	550.	UJ	620.	UJ	630.	UJ
123-63-7	Paraldehyde	460.	U	390.	U	390.	U	360.	UJ	410.	UJ	410.	UJ
97-63-2	Ethyl methacrylate	750.	U	640.	UJ	650.	UJ	590.	UJ	670.	UJ	680.	UJ
109-06-8	2-Picoline	1500.	U	1300.	U	1300.	U	1200.	UJ	1400.	UJ	1400.	UJ
10595-95-6	N-Nitrosomethylethylamine	690.	U	580.	U	590.	U	540.	UJ	610.	UJ	620.	UJ
66-27-3	Methyl methanesulfonate	890.	U	760.	U	770.	U	700.	U	800.	U	800.	U
55-18-5	N-Nitrosodiethylamine	770.	U	650.	U	660.	U	600.	U	680.	U	690.	U
62-50-0	Ethyl methanesulfonate	770.	U	650.	U	660.	U	600.	U	680.	U	690.	U
108-95-2	Phenol	730.	U	620.	U	620.	U	570.	U	650.	U	660.	U
62-53-3	Aniline	720.	U	600.	U	610.	U	560.	U	640.	U	640.	U
111-44-4	bis(2-Chloroethyl)ether	750.	U	640.	U	650.	U	590.	U	670.	U	680.	U
76-01-7	Pentachloroethane	1100.	U	900.	U	910.	U	830.	U	940.	U	950.	U
95-57-8	2-Chlorophenol	800.	U	680.	U	690.	U	630.	U	720.	U	720.	U
541-73-1	1,3-Dichlorobenzene	650.	U	550.	U	560.	U	510.	U	580.	U	590.	U
100-44-7	Benzyl chloride	740.	U	630.	U	640.	U	580.	U	660.	U	670.	U
106-46-7	1,4-Dichlorobenzene	660.	U	560.	U	570.	U	520.	U	590.	U	600.	U
100-51-6	Benzyl alcohol	700.	U	590.	U	600.	U	550.	U	620.	U	630.	U
95-50-1	1,2-Dichlorobenzene	750.	U	640.	U	650.	U	590.	U	670.	U	680.	U
95-48-7	2-Methylphenol (o-Cresol)	830.	U	700.	U	710.	U	650.	U	740.	U	750.	U
39638-32-9	Bis(2-Chloroisopropyl)Ether	830.	U	700.	U	710.	U	650.	U	740.	U	750.	U
108-39-4	3-Methylphenol (m-Cresol)	1700.	U	1400.	U	1400.	U	1300.	U	1500.	U	1500.	U
106-44-5	4-Methylphenol (p-Cresol)	1700.	U	1400.	U	1400.	U	1300.	U	1500.	U	1500.	U
930-55-2	N-Nitrosopyrrolidine	680.	U	570.	U	580.	U	530.	UJ	600.	UJ	610.	UJ
621-64-7	N-Nitroso-di-n-propylamine	780.	U	660.	U	670.	U	610.	U	690.	U	700.	U
98-86-2	Acetophenone	840.	U	710.	U	720.	U	660.	U	750.	U	760.	U
59-89-2	N-Nitrosomorpholine	960.	U	810.	U	820.	U	750.	U	850.	U	860.	U
636-21-5	o-Toluidine hydrochloride	2600.	U	2200.	U	2200.	U	2000.	U	2300.	U	2300.	U
67-72-1	Hexachloroethane	770.	U	650.	U	660.	U	600.	U	680.	U	690.	U
98-95-3	Nitrobenzene	870.	U	730.	U	740.	U	680.	U	770.	U	780.	U
100-75-4	N-Nitrosopiperidine	950.	U	800.	U	810.	U	740.	U	840.	U	850.	U
78-59-1	Isophorone	870.	U	730.	U	740.	U	680.	U	770.	U	780.	U
88-75-5	2-Nitrophenol	790.	U	670.	U	680.	U	620.	U	700.	U	710.	U
105-67-9	2,4-Dimethylphenol	780.	U	660.	U	670.	U	610.	U	690.	U	700.	U
108-70-3	1,3,5-Trichlorobenzene	780.	U	660.	U	670.	U	610.	U	690.	U	700.	U
98-87-3	Benzal chloride	680.	U	570.	U	580.	U	530.	U	600.	U	610.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	047-S-B015-02		047-S-B016-01		047-C-B016-01		047-S-B017-01		047-S-B018-01		047-S-B019-01	
	ORIGINAL ID ----->	047SB01502		047SB01601		047CB01601		047SB01701		047SB01801		047SB01901	
	LAB SAMPLE ID --->	703261		738016		738017		738364		738365		738363	
	ID FROM REPORT -->	047SB01502		047SB01601		047CB01601		047SB01701		047SB01801		047SB01901	
	SAMPLE DATE ----->	04/13/95		07/05/95		07/05/95		07/06/95		07/06/95		07/06/95	
	DATE EXTRACTED -->	04/24/95		07/07/95		07/07/95		07/11/95		07/11/95		07/11/95	
	DATE ANALYZED --->	04/25/95		07/22/95		07/22/95		07/23/95		07/24/95		07/24/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0010S	VAL	0022S	VAL	0022S	VAL	0022S	VAL	0022S	VAL	0022S	VAL
126-68-1	O,O,O-Triethylphosphorothioate	6800.	U	5700.	U	5800.	U	5300.	U	6000.	U	6100.	U
65-85-0	Benzoic acid	2400.	U	2100.	UJ	2100.	UR	1900.	UJ	2200.	UJ	2200.	UJ
111-91-1	bis(2-Chloroethoxy)methane	860.	U	720.	U	730.	U	670.	U	760.	U	770.	U
120-83-2	2,4-Dichlorophenol	700.	U	590.	U	600.	U	550.	U	620.	U	630.	U
120-82-1	1,2,4-Trichlorobenzene	700.	U	590.	U	600.	U	550.	U	620.	U	630.	U
91-20-3	Naphthalene	840.	U	710.	U	720.	U	660.	U	150.	J	760.	U
106-47-8	4-Chloroaniline	880.	U	740.	U	760.	U	690.	U	780.	U	790.	U
87-65-0	2,6-Dichlorophenol	1500.	U	1300.	U	1300.	U	1200.	U	1400.	U	1400.	U
1888-71-7	Hexachloropropene	730.	U	620.	U	620.	U	570.	U	650.	U	660.	U
87-68-3	Hexachlorobutadiene	720.	U	600.	U	610.	U	560.	U	640.	U	640.	U
87-61-6	1,2,3-Trichlorobenzene	770.	U	650.	U	660.	U	600.	U	680.	U	690.	U
98-07-7	Benzotrichloride	790.	U	670.	U	680.	U	620.	U	700.	U	710.	U
924-16-3	N-Nitroso-di-n-butylamine	1800.	U	1500.	U	1500.	U	1400.	U	1600.	U	1600.	U
59-50-7	4-Chloro-3-methylphenol	960.	U	810.	U	820.	U	750.	U	850.	U	860.	U
94-59-7	Safrole	740.	U	630.	U	640.	U	580.	U	660.	U	670.	U
91-57-6	2-Methylnaphthalene	1100.	U	910.	U	920.	U	840.	U	44.	J	970.	U
90-12-0	1-Methyl naphthalene	1400.	U	1200.	U	1200.	U	1100.	U	50.	J	1300.	U
77-47-4	Hexachlorocyclopentadiene	840.	U	710.	U	720.	U	660.	U	750.	U	760.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	1700.	U	1400.	U	1400.	U	1300.	U	1500.	U	1500.	U
634-90-2	1,2,3,5-Tetrachlorobenzene	1700.	U	1400.	U	1400.	U	1300.	U	1500.	U	1500.	U
88-06-2	2,4,6-Trichlorophenol	1700.	U	1400.	U	1400.	U	1300.	U	1500.	U	1500.	U
95-95-4	2,4,5-Trichlorophenol	1700.	U	1400.	U	1400.	U	1300.	U	1500.	U	1500.	U
120-58-1	Isosafrole	1700.	U	1400.	U	1400.	U	1300.	U	1500.	U	1500.	U
634-66-2	1,2,3,4-Tetrachlorobenzene	820.	U	690.	U	700.	U	640.	U	730.	U	740.	U
91-58-7	2-Chloronaphthalene	1200.	U	1000.	U	1100.	U	970.	U	1100.	U	1100.	U
90-13-1	1-Chloronaphthalene	1500.	U	1300.	U	1300.	U	1200.	U	1400.	U	1400.	U
88-74-4	2-Nitroaniline	1400.	U	1200.	U	1200.	U	1100.	U	1200.	U	1300.	U
130-15-4	1,4-Naphthoquinone	2000.	U	1700.	U	1800.	U	1600.	UJ	1800.	UJ	1800.	UJ
131-11-3	Dimethyl phthalate	1200.	U	1000.	U	1100.	U	970.	U	1100.	U	1100.	U
99-65-0	1,3-Dinitrobenzene	720.	U	600.	U	610.	U	560.	U	640.	U	640.	U
606-20-2	2,6-Dinitrotoluene	960.	U	810.	U	820.	U	750.	U	850.	U	860.	U
208-96-8	Acenaphthylene	860.	U	220.	J	200.	J	670.	U	760.	U	770.	U
99-09-2	3-Nitroaniline	880.	U	740.	U	760.	U	690.	U	780.	U	790.	U
83-32-9	Acenaphthene	840.	U	710.	U	720.	U	660.	U	130.	J	760.	U
51-28-5	2,4-Dinitrophenol	2200.	UJ	1800.	U	1900.	U	1700.	U	1900.	U	2000.	U
100-02-7	4-Nitrophenol	5700.	UJ	4900.	U	4900.	U	4500.	U	5100.	U	5200.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	047-S-B015-02		047-S-B016-01		047-C-B016-01		047-S-B017-01		047-S-B018-01		047-S-B019-01	
	ORIGINAL ID ----->	047SB01502		047SB01601		047CB01601		047SB01701		047SB01801		047SB01901	
	LAB SAMPLE ID --->	703261		738016		738017		738364		738365		738363	
	ID FROM REPORT -->	047SB01502		047SB01601		047CB01601		047SB01701		047SB01801		047SB01901	
	SAMPLE DATE ----->	04/13/95		07/05/95		07/05/95		07/06/95		07/06/95		07/06/95	
	DATE EXTRACTED -->	04/24/95		07/07/95		07/07/95		07/11/95		07/11/95		07/11/95	
	DATE ANALYZED --->	04/25/95		07/22/95		07/22/95		07/23/95		07/24/95		07/24/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0010S	VAL	0022S	VAL	0022S	VAL	0022S	VAL	0022S	VAL	0022S	VAL
608-93-5	Pentachlorobenzene	840.	U	710.	U	720.	U	660.	U	750.	U	760.	U
121-14-2	2,4-Dinitrotoluene	840.	U	710.	U	720.	U	660.	U	750.	U	760.	U
132-64-9	Dibenzofuran	880.	U	740.	U	760.	U	690.	U	100.	J	790.	U
91-59-8	2-Naphthylamine	1100.	U	930.	U	940.	U	860.	U	980.	U	990.	U
58-90-2	2,3,4,6-Tetrachlorophenol	1800.	U	1500.	U	1500.	U	1400.	U	1600.	U	1600.	U
134-32-7	1-Naphthylamine	1800.	U	1500.	U	1500.	U	1400.	U	1600.	U	1600.	U
84-66-2	Diethylphthalate	920.	U	780.	U	790.	U	720.	U	820.	U	830.	U
297-97-2	Thionazin	860.	U	720.	U	730.	U	670.	U	760.	U	770.	U
7005-72-3	4-Chlorophenylphenylether	770.	U	650.	U	660.	U	600.	U	680.	U	690.	U
99-55-8	5-Nitro-o-toluidine	1300.	U	1100.	U	1100.	U	1000.	U	1100.	U	1100.	U
86-73-7	Fluorene	880.	U	740.	U	760.	U	690.	U	190.	J	790.	U
100-01-6	4-Nitroaniline	1400.	U	1200.	U	1200.	U	1100.	U	1200.	U	1300.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	2300.	U	1900.	U	2000.	U	1800.	U	2000.	U	2100.	U
86-30-6	N-Nitrosodiphenylamine	1800.	U	1500.	U	1500.	U	1400.	U	1600.	U	1600.	U
122-39-4	Diphenylamine	1800.	U	1500.	U	1500.	U	1400.	U	1600.	U	1600.	U
122-66-7	Hydrazine, 1,2-diphenyl	880.	U	740.	U	760.	U	690.	U	780.	U	790.	U
99-35-4	1,3,5-Trinitrobenzene	1200.	U	980.	U	1000.	U	910.	U	1000.	U	1000.	U
2303-16-4	Diallate	840.	U	710.	U	720.	U	660.	U	750.	U	760.	U
62-44-2	Phenacetin	780.	U	660.	U	670.	U	610.	U	690.	U	700.	U
101-55-3	4-Bromophenyl-phenylether	960.	U	810.	U	820.	U	750.	U	850.	U	860.	U
118-74-1	Hexachlorobenzene	980.	U	830.	U	840.	U	770.	U	880.	U	880.	U
60-51-5	Dimethoate	840.	U	710.	U	720.	U	660.	U	750.	U	760.	U
92-67-1	4-Aminobiphenyl	520.	U	440.	U	450.	U	410.	U	470.	U	470.	U
87-86-5	Pentachlorophenol	1800.	U	1500.	U	1500.	U	1400.	U	1600.	U	1600.	U
23950-58-5	Pronamide	830.	U	700.	U	710.	U	650.	U	740.	U	750.	U
82-68-8	Pentachloronitrobenzene	820.	U	690.	U	700.	U	640.	U	730.	U	740.	U
85-01-8	Phenanthrene	790.	U	370.	J	310.	J	280.	J	1300.		49.	J
120-12-7	Anthracene	950.	U	110.	J	110.	J	740.	U	240.	J	850.	U
84-74-2	Di-n-butylphthalate	980.	U	830.	U	840.	U	770.	U	880.	U	880.	U
56-57-5	4-Nitroquinoline 1-oxide	6100.	UR	5200.	UR	5300.	UR	4800.	UR	5500.	UR	5500.	UR
91-80-5	Methapyrilene	1700.	U	1400.	U	1400.	U	1300.	UJ	1500.	UJ	1500.	UJ
6055-19-2	Cyclophosphamide Hydrate	800.	UR	680.	UR	690.	UR	630.	UR	720.	UR	720.	UR
465-73-6	Isodrin	1200.	U	990.	U	1000.	U	920.	U	1000.	U	1100.	U
206-44-0	Fluoranthene	1200.	U	2800.		1900.		530.	J	1400.		100.	J
92-87-5	Benzidine	2000.	U	1700.	U	1800.	U	1600.	U	1800.	U	1800.	U
129-00-0	Pyrene	930.	U	4300.		2800.		480.	J	1100.		100.	J

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA													
	SAMPLE ID ------->	047-S-B015-02		047-S-B016-01		047-C-B016-01		047-S-B017-01		047-S-B018-01		047-S-B019-01	
	ORIGINAL ID ----->	047SB01502		047SB01601		047CB01601		047SB01701		047SB01801		047SB01901	
	LAB SAMPLE ID --->	703261		738016		738017		738364		738365		738363	
	ID FROM REPORT -->	047SB01502		047SB01601		047CB01601		047SB01701		047SB01801		047SB01901	
	SAMPLE DATE ----->	04/13/95		07/05/95		07/05/95		07/06/95		07/06/95		07/06/95	
	DATE EXTRACTED -->	04/24/95		07/07/95		07/07/95		07/11/95		07/11/95		07/11/95	
	DATE ANALYZED --->	04/25/95		07/22/95		07/22/95		07/23/95		07/24/95		07/24/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0010S	VAL	0022S	VAL	0022S	VAL	0022S	VAL	0022S	VAL	0022S	VAL
140-57-8	Aramite	840.	U	710.	U	720.	U	660.	U	750.	U	760.	U
60-11-7	p-(Dimethylamino)azobenzene	860.	U	720.	U	730.	U	670.	U	760.	U	770.	U
510-15-6	Chlorobenzilate	910.	UJ	770.	U	780.	U	710.	U	810.	U	820.	U
52-85-7	Famphur	2600.	U	2200.	U	2200.	UJ	2000.	U	2300.	U	2300.	U
85-68-7	Butylbenzylphthalate	870.	U	730.	U	740.	U	680.	U	770.	U	780.	U
119-93-7	3,3-Dimethylbenzidine	1200.	U	1000.	U	1100.	U	970.	U	1100.	U	1100.	U
53-96-3	Acetamidofluorene	910.	U	770.	U	780.	U	710.	U	810.	U	820.	U
119-90-4	3,3'-Dimethoxybenzidine	1200.	U	1000.	U	1100.	U	970.	U	1100.	U	1100.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	960.	U	810.	UJ	820.	U	89.	J	850.	UJ	860.	UJ
101-14-4	Benzenamine, 4,4'-methylenebis[2chloro-	570.	U	490.	U	490.	U	450.	U	510.	U	520.	U
91-94-1	3,3'-Dichlorobenzidine	640.	U	540.	U	550.	U	500.	U	570.	U	570.	U
56-55-3	Benzo(a)anthracene	840.	U	2800.		2000.		260.	J	710.	J	83.	J
218-01-9	Chrysene	690.	U	2600.		2300.		350.	J	740.		100.	J
117-84-0	Di-n-octyl phthalate	610.	U	520.	U	530.	U	480.	U	550.	U	550.	U
57-97-6	7,12-Dimethylbenz(a)anthracene	520.	U	440.	U	450.	U	410.	U	470.	U	470.	U
205-99-2	Benzo(b)fluoranthene	980.	U	8200.	J	5200.	J	530.	J	1000.	J	120.	J
207-08-9	Benzo(k)fluoranthene	790.	U	8700.	J	5500.	J	600.	J	1200.	J	140.	J
50-32-8	Benzo(a)pyrene	840.	U	3200.		2200.		280.	J	590.	J	72.	J
56-49-5	3-Methyl cholanthrene	780.	U	660.	U	670.	U	610.	U	690.	U	700.	U
224-42-0	Dibenz(a,j)acridine	520.	U	440.	U	100.	J	410.	U	470.	U	470.	U
193-39-5	Indeno(1,2,3-cd)pyrene	590.	U	1600.		1600.		150.	J	280.	J	530.	U
53-70-3	Dibenz(a,h)anthracene	550.	U	620.		440.	J	430.	U	65.	J	490.	U
191-24-2	Benzo(g,h,i)perylene	790.	U	1700.		1600.		160.	J	280.	J	710.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	047-C-B019-01	047-S-B020-01	047-S-B021-01	047-S-B022-01	047-S-B023-01	047-G-W001-01
	ORIGINAL ID ----->	047CB01901	047SB02001	047SB02101	047SB02201	047SB02301	047GW00101
	LAB SAMPLE ID --->	738366	738353	738013	738014	738015	731748
	ID FROM REPORT -->	047CB01901	047SB02001	047SB02101	047SB02201	047SB02301	047GW00101
	SAMPLE DATE ----->	07/06/95	07/06/95	07/05/95	07/05/95	07/05/95	06/14/95
	DATE EXTRACTED -->	07/11/95	07/11/95	07/07/95	07/11/95	07/07/95	06/20/95
	DATE ANALYZED --->	07/23/95	07/23/95	07/22/95	07/24/95	07/22/95	07/14/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Water
	UNITS ----------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/L

CAS #	Parameter	0022S	VAL	0022S	VAL	0022S	VAL	0022S	VAL	0022S	VAL	0017S	VAL
62-75-9	N-Nitrosodimethylamine	750.	U	720.	U	740.	U	750.	U	750.	U	15.	U
110-86-1	Pyridine	620.	UJ	600.	UJ	620.	UJ	620.	UJ	620.	UJ	20.	U
123-63-7	Paraldehyde	410.	UJ	390.	UJ	400.	U	410.	UJ	410.	U	10.	U
97-63-2	Ethyl methacrylate	670.	UJ	640.	UJ	660.	U	670.	UJ	670.	U	15.	U
109-06-8	2-Picoline	1400.	UJ	1300.	UJ	1300.	U	1400.	UJ	1400.	U	45.	U
10595-95-6	N-Nitrosomethylethylamine	610.	UJ	590.	UJ	610.	U	610.	UJ	610.	U	20.	U
66-27-3	Methyl methanesulfonate	800.	U	760.	U	790.	U	800.	U	790.	U	20.	U
55-18-5	N-Nitrosodiethylamine	680.	U	650.	U	670.	U	680.	U	680.	U	15.	U
62-50-0	Ethyl methanesulfonate	680.	U	650.	U	670.	U	680.	U	680.	U	20.	U
108-95-2	Phenol	650.	U	620.	U	640.	U	650.	U	650.	U	15.	U
62-53-3	Aniline	640.	U	610.	U	630.	U	640.	U	630.	U	15.	U
111-44-4	bis(2-Chloroethyl)ether	670.	U	640.	U	660.	U	670.	U	670.	U	20.	U
76-01-7	Pentachloroethane	940.	U	900.	U	930.	U	940.	U	940.	U	10.	U
95-57-8	2-Chlorophenol	720.	U	680.	U	710.	U	720.	U	710.	U	15.	U
541-73-1	1,3-Dichlorobenzene	580.	U	550.	U	570.	U	580.	U	580.	U	10.	U
100-44-7	Benzyl chloride	660.	U	630.	U	650.	U	660.	U	660.	U	5.	U
106-46-7	1,4-Dichlorobenzene	590.	U	570.	U	580.	U	590.	U	590.	U	10.	U
100-51-6	Benzyl alcohol	620.	U	600.	U	620.	U	620.	U	620.	U	20.	U
95-50-1	1,2-Dichlorobenzene	670.	U	640.	U	660.	U	670.	U	670.	U	10.	U
95-48-7	2-Methylphenol (o-Cresol)	740.	U	710.	U	730.	U	740.	U	740.	U	20.	U
39638-32-9	Bis(2-Chloroisopropyl)Ether	740.	U	710.	U	730.	U	740.	U	740.	U	15.	U
108-39-4	3-Methylphenol (m-Cresol)	1500.	U	1400.	U	1500.	U	1500.	U	1500.	U	35.	UJ
106-44-5	4-Methylphenol (p-Cresol)	1500.	U	1400.	U	1500.	U	1500.	U	1500.	U	35.	UJ
930-55-2	N-Nitrosopyrrolidine	600.	UJ	580.	UJ	600.	U	600.	UJ	600.	U	15.	U
621-64-7	N-Nitroso-di-n-propylamine	690.	U	660.	U	690.	U	690.	U	690.	U	20.	UJ
98-86-2	Acetophenone	750.	U	720.	U	740.	U	750.	U	750.	U	20.	U
59-89-2	N-Nitrosomorpholine	850.	U	820.	U	840.	U	850.	U	850.	U	10.	UJ
636-21-5	o-Toluidine hydrochloride	2300.	U	2200.	U	2200.	U	2300.	U	2300.	U	25.	UJ
67-72-1	Hexachloroethane	680.	U	650.	U	670.	U	680.	U	680.	U	10.	U
98-95-3	Nitrobenzene	770.	U	740.	U	760.	U	770.	U	770.	U	10.	U
100-75-4	N-Nitrosopiperidine	840.	U	800.	U	830.	U	840.	U	840.	U	10.	U
78-59-1	Isophorone	770.	U	740.	U	760.	U	770.	U	770.	U	10.	U
88-75-5	2-Nitrophenol	700.	U	670.	U	700.	U	700.	U	700.	U	5.	U
105-67-9	2,4-Dimethylphenol	690.	U	660.	U	690.	U	690.	U	690.	U	35.	U
108-70-3	1,3,5-Trichlorobenzene	690.	U	660.	U	690.	U	690.	U	690.	U	5.	U
98-87-3	Benzal chloride	600.	U	580.	U	600.	U	600.	U	600.	U	15.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	047-C-B019-01	047-S-B020-01	047-S-B021-01	047-S-B022-01	047-S-B023-01	047-G-W001-01
	ORIGINAL ID ----->	047CB01901	047SB02001	047SB02101	047SB02201	047SB02301	047GW00101
	LAB SAMPLE ID --->	738366	738353	738013	738014	738015	731748
	ID FROM REPORT -->	047CB01901	047SB02001	047SB02101	047SB02201	047SB02301	047GW00101
	SAMPLE DATE ----->	07/06/95	07/06/95	07/05/95	07/05/95	07/05/95	06/14/95
	DATE EXTRACTED -->	07/11/95	07/11/95	07/07/95	07/11/95	07/07/95	06/20/95
	DATE ANALYZED --->	07/23/95	07/23/95	07/22/95	07/24/95	07/22/95	07/14/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Water
	UNITS ----------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/L

CAS #	Parameter	0022S	VAL	0022S	VAL	0022S	VAL	0022S	VAL	0022S	VAL	0017S	VAL
126-68-1	O,O,O-Triethylphosphorothioate	6000.	U	5800.	U	6000.	U	6000.	U	6000.	U	110.	U
65-85-0	Benzoic acid	2200.	UJ	2100.	UJ	2100.	UJ	2200.	UJ	2200.	UJ	95.	UJ
111-91-1	bis(2-Chloroethoxy)methane	760.	U	730.	U	750.	U	760.	U	760.	U	15.	U
120-83-2	2,4-Dichlorophenol	620.	U	600.	U	620.	U	620.	U	620.	U	15.	U
120-82-1	1,2,4-Trichlorobenzene	620.	U	600.	U	620.	U	620.	U	620.	U	5.	U
91-20-3	Naphthalene	750.	U	720.	U	740.	U	750.	U	750.	U	5.	U
106-47-8	4-Chloroaniline	780.	U	750.	U	780.	U	780.	U	780.	U	5.	U
87-65-0	2,6-Dichlorophenol	1400.	U	1300.	U	1300.	U	1400.	U	1400.	U	25.	U
1888-71-7	Hexachloropropene	650.	U	620.	U	640.	U	650.	U	650.	U	20.	U
87-68-3	Hexachlorobutadiene	640.	U	610.	U	630.	U	640.	U	630.	U	5.	U
87-61-6	1,2,3-Trichlorobenzene	680.	U	650.	U	670.	U	680.	U	680.	U	5.	U
98-07-7	Benzotrichloride	700.	U	670.	U	700.	U	700.	U	700.	U	5.	U
924-16-3	N-Nitroso-di-n-butylamine	1600.	U	1500.	U	1600.	U	1600.	U	1600.	U	10.	U
59-50-7	4-Chloro-3-methylphenol	850.	U	820.	U	840.	U	850.	U	850.	U	10.	U
94-59-7	Safrole	660.	U	630.	U	650.	U	660.	U	660.	U	5.	U
91-57-6	2-Methylnaphthalene	950.	U	910.	U	940.	U	950.	U	950.	U	10.	U
90-12-0	1-Methyl naphthalene	1200.	U	1200.	U	1200.	U	1200.	U	1200.	U	15.	U
77-47-4	Hexachlorocyclopentadiene	750.	U	720.	U	740.	U	750.	U	750.	U	25.	UJ
95-94-3	1,2,4,5-Tetrachlorobenzene	1500.	U	1400.	U	1500.	U	1500.	U	1500.	U	15.	UJ
634-90-2	1,2,3,5-Tetrachlorobenzene	1500.	U	1400.	U	1500.	U	1500.	U	1500.	U	15.	UJ
88-06-2	2,4,6-Trichlorophenol	1500.	U	1400.	U	1500.	U	1500.	U	1500.	U	25.	U
95-95-4	2,4,5-Trichlorophenol	1500.	U	1400.	U	1500.	U	1500.	U	1500.	U	25.	U
120-58-1	Isosafrole	1500.	U	1400.	U	1500.	U	1500.	U	1500.	U	10.	U
634-66-2	1,2,3,4-Tetrachlorobenzene	730.	U	700.	U	720.	U	730.	U	720.	U	10.	U
91-58-7	2-Chloronaphthalene	1100.	U	1100.	U	1100.	U	1100.	U	1100.	U	15.	U
90-13-1	1-Chloronaphthalene	1400.	U	1300.	U	1300.	U	1400.	U	1400.	U	25.	U
88-74-4	2-Nitroaniline	1200.	U	1200.	U	1200.	U	1200.	U	1200.	U	20.	U
130-15-4	1,4-Naphthoquinone	1800.	UJ	1700.	UJ	1800.	U	1800.	UJ	1800.	U	35.	UJ
131-11-3	Dimethyl phthalate	1100.	U	1100.	U	1100.	U	1100.	U	1100.	U	10.	U
99-65-0	1,3-Dinitrobenzene	640.	U	610.	U	630.	U	640.	U	630.	U	15.	UJ
606-20-2	2,6-Dinitrotoluene	850.	U	820.	U	840.	U	850.	U	850.	U	15.	U
208-96-8	Acenaphthylene	760.	U	730.	U	750.	U	760.	U	760.	U	10.	U
99-09-2	3-Nitroaniline	780.	U	750.	U	780.	U	780.	U	780.	U	30.	U
83-32-9	Acenaphthene	750.	U	720.	U	740.	U	750.	U	750.	U	10.	U
51-28-5	2,4-Dinitrophenol	1900.	U	1800.	U	1900.	U	1900.	U	1900.	U	75.	U
100-02-7	4-Nitrophenol	5100.	U	4900.	U	5100.	U	5100.	U	5100.	U	45.	U

*** Validation Complete ***

CHARLESTON -- ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	047-C-B019-01	047-S-B020-01	047-S-B021-01	047-S-B022-01	047-S-B023-01	047-G-W001-01
	ORIGINAL ID ----->	047CB01901	047SB02001	047SB02101	047SB02201	047SB02301	047GW00101
	LAB SAMPLE ID --->	738366	738353	738013	738014	738015	731748
	ID FROM REPORT -->	047CB01901	047SB02001	047SB02101	047SB02201	047SB02301	047GW00101
	SAMPLE DATE ----->	07/06/95	07/06/95	07/05/95	07/05/95	07/05/95	06/14/95
	DATE EXTRACTED -->	07/11/95	07/11/95	07/07/95	07/11/95	07/07/95	06/20/95
	DATE ANALYZED --->	07/23/95	07/23/95	07/22/95	07/24/95	07/22/95	07/14/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Water
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/L

CAS #	Parameter	0022S	VAL	0022S	VAL	0022S	VAL	0022S	VAL	0022S	VAL	0017S	VAL
608-93-5	Pentachlorobenzene	750.	U	720.	U	740.	U	750.	U	750.	U	10.	U
121-14-2	2,4-Dinitrotoluene	750.	U	720.	U	740.	U	750.	U	750.	U	10.	U
132-64-9	Dibenzofuran	780.	U	750.	U	780.	U	780.	U	780.	U	10.	U
91-59-8	2-Naphthylamine	980.	U	930.	U	970.	U	980.	U	970.	U	20.	U
58-90-2	2,3,4,6-Tetrachlorophenol	1600.	U	1500.	U	1600.	U	1600.	U	1600.	U	35.	U
134-32-7	1-Naphthylamine	1600.	U	1500.	U	1600.	U	1600.	U	1600.	U	35.	U
84-66-2	Diethylphthalate	820.	U	780.	U	810.	U	820.	U	820.	U	15.	U
297-97-2	Thionazin	760.	U	730.	U	750.	U	760.	U	760.	U	15.	U
7005-72-3	4-Chlorophenylphenylether	680.	U	650.	U	670.	U	680.	U	680.	U	10.	U
99-55-8	5-Nitro-o-toluidine	1100.	U	1100.	U	1100.	U	1100.	U	1100.	U	30.	U
86-73-7	Fluorene	780.	U	750.	U	780.	U	780.	U	780.	U	10.	U
100-01-6	4-Nitroaniline	1200.	U	1200.	U	1200.	U	1200.	U	1200.	U	35.	UJ
534-52-1	2-Methyl-4,6-Dinitrophenol	2000.	U	2000.	U	2000.	U	2000.	U	2000.	U	45.	U
86-30-6	N-Nitrosodiphenylamine	1600.	U	1500.	U	1600.	U	1600.	U	1600.	U	30.	U
122-39-4	Diphenylamine	1600.	U	1500.	U	1600.	U	1600.	U	1600.	U	30.	U
122-66-7	Hydrazine, 1,2-diphenyl	780.	U	750.	U	780.	U	780.	U	780.	U	15.	U
99-35-4	1,3,5-Trinitrobenzene	1000.	U	990.	U	1000.	U	1000.	U	1000.	U	45.	U
2303-16-4	Diallate	750.	U	720.	U	740.	U	750.	U	750.	U	20.	U
62-44-2	Phenacetin	690.	U	660.	U	690.	U	690.	U	690.	U	20.	U
101-55-3	4-Bromophenyl-phenylether	850.	U	820.	U	840.	U	850.	U	850.	U	15.	U
118-74-1	Hexachlorobenzene	880.	U	840.	U	870.	U	880.	U	870.	U	15.	U
60-51-5	Dimethoate	750.	U	720.	U	740.	U	750.	U	750.	U	15.	U
92-67-1	4-Aminobiphenyl	470.	U	450.	U	460.	U	470.	U	460.	U	10.	U
87-86-5	Pentachlorophenol	1600.	U	1500.	U	1600.	U	1600.	U	660.	J	55.	U
23950-58-5	Pronamide	740.	U	710.	U	730.	U	740.	U	740.	U	15.	U
82-68-8	Pentachloronitrobenzene	730.	U	700.	U	720.	U	730.	U	720.	U	15.	U
85-01-8	Phenanthrene	65.	J	670.	U	700.	U	380.	J	700.	U	15.	U
120-12-7	Anthracene	840.	U	800.	U	830.	U	89.	J	840.	U	15.	U
84-74-2	Di-n-butylphthalate	880.	U	840.	U	870.	U	880.	U	870.	U	15.	U
56-57-5	4-Nitroquinoline 1-oxide	5500.	UR	5200.	UR	5400.	UR	5500.	UR	5400.	UR	75.	UJ
91-80-5	Methapyrilene	1500.	UJ	1400.	UJ	1500.	U	1500.	UJ	1500.	U	30.	UJ
6055-19-2	Cyclophosphamide Hydrate	720.	UR	680.	UR	710.	UR	720.	UR	710.	UR	20.	UR
465-73-6	Isodrin	1000.	U	1000.	U	1000.	U	1000.	U	1000.	U	15.	U
206-44-0	Fluoranthene	100.	J	61.	J	1000.	U	470.	J	1000.	U	20.	U
92-87-5	Benzidine	1800.	U	1700.	U	1800.	U	1800.	U	1800.	U	25.	UJ
129-00-0	Pyrene	170.	J	59.	J	820.	U	360.	J	830.	U	10.	UJ

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	047-C-B019-01	047-S-B020-01	047-S-B021-01	047-S-B022-01	047-S-B023-01	047-G-W001-01
	ORIGINAL ID ----->	047CB01901	047SB02001	047SB02101	047SB02201	047SB02301	047GW00101
	LAB SAMPLE ID --->	738366	738353	738013	738014	738015	731748
	ID FROM REPORT -->	047CB01901	047SB02001	047SB02101	047SB02201	047SB02301	047GW00101
	SAMPLE DATE ----->	07/06/95	07/06/95	07/05/95	07/05/95	07/05/95	06/14/95
	DATE EXTRACTED -->	07/11/95	07/11/95	07/07/95	07/11/95	07/07/95	06/20/95
	DATE ANALYZED --->	07/23/95	07/23/95	07/22/95	07/24/95	07/22/95	07/14/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Water
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/L

CAS #	Parameter	0022S	VAL	0022S	VAL	0022S	VAL	0022S	VAL	0022S	VAL	0017S	VAL
140-57-8	Aramite	750.	U	720.	U	740.	U	750.	U	750.	U	20.	UJ
60-11-7	p-(Dimethylamino)azobenzene	760.	U	730.	U	750.	U	760.	U	760.	U	10.	U
510-15-6	Chlorobenzilate	810.	U	770.	U	800.	U	810.	U	800.	U	10.	UJ
52-85-7	Famphur	2300.	U	2200.	U	2200.	U	2300.	U	2300.	U	65.	UJ
85-68-7	Butylbenzylphthalate	770.	U	740.	U	760.	U	770.	U	770.	U	10.	UJ
119-93-7	3,3-Dimethylbenzidine	1100.	U	1100.	U	1100.	U	1100.	U	1100.	U	100.	UJ
53-96-3	Acetamidofluorene	810.	U	770.	U	800.	U	810.	U	800.	U	10.	U
119-90-4	3,3'-Dimethoxybenzidine	1100.	U	1100.	U	1100.	U	1100.	U	1100.	U	20.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	850.	UJ	820.	UJ	840.	UJ	850.	UJ	850.	UJ	25.	U
101-14-4	Benzenamine, 4,4'-methylenebis[2chloro-	510.	U	490.	U	510.	U	510.	U	510.	U	15.	U
91-94-1	3,3'-Dichlorobenzidine	570.	U	540.	U	560.	U	570.	U	570.	U	10.	U
56-55-3	Benzo(a)anthracene	110.	J	720.	U	740.	U	270.	J	750.	U	10.	U
218-01-9	Chrysene	130.	J	590.	U	610.	U	240.	J	610.	U	15.	U
117-84-0	Di-n-octyl phthalate	550.	U	520.	U	540.	U	550.	U	540.	U	20.	U
57-97-6	7,12-Dimethylbenz(a)anthracene	470.	U	450.	U	460.	U	470.	U	460.	U	10.	U
205-99-2	Benzo(b)fluoranthene	110.	J	840.	U	870.	U	330.	J	870.	U	10.	U
207-08-9	Benzo(k)fluoranthene	120.	J	670.	U	700.	U	380.	J	700.	U	20.	U
50-32-8	Benzo(a)pyrene	750.	U	720.	U	740.	U	170.	J	750.	U	5.	U
56-49-5	3-Methyl cholanthrene	690.	U	660.	U	690.	U	690.	U	690.	U	5.	U
224-42-0	Dibenz(a,j)acridine	470.	U	450.	U	460.	U	470.	U	460.	U	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	520.	U	500.	U	520.	U	520.	U	520.	U	10.	U
53-70-3	Dibenz(a,h)anthracene	490.	U	470.	U	480.	U	490.	U	490.	U	10.	U
191-24-2	Benzo(g,h,i)perylene	700.	U	670.	U	700.	U	700.	U	700.	U	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

SW846-SVOA	SAMPLE ID ------->	047-G-W002-01		047-G-W003-01		047-G-W004-01		047-G-W005-01		047-H-W005-01		047-G-W006-01	
	ORIGINAL ID ----->	047GW00201		047GW00301		047GW00401		047GW00501		047HW00501		047GW00601	
	LAB SAMPLE ID --->	731762		731722		733198		731835		731853		732738	
	ID FROM REPORT -->	047GW00201		047GW00301		047GW00401		047GW00501		047HW00501		047GW00601	
	SAMPLE DATE ----->	06/14/95		06/14/95		06/15/95		06/14/95		06/14/95		06/15/95	
	DATE EXTRACTED -->	06/20/95		06/20/95		06/30/95		06/20/95		06/20/95		06/22/95	
	DATE ANALYZED --->	07/14/95		07/13/95		07/20/95		07/14/95		07/12/95		07/20/95	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ----------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	0017S	VAL	0017S	VAL	0018S	VAL	0017S	VAL	0018S	VAL	0018S	VAL
62-75-9	N-Nitrosodimethylamine	15.	U	15.	U	15.	UR	15.	U	15.	UJ	15.	U
110-86-1	Pyridine	20.	U	20.	U	20.	UR	20.	U	20.	UJ	20.	U
123-63-7	Paraldehyde	10.	U	10.	UJ	10.	UR	10.	U	10.	UJ	10.	U
97-63-2	Ethyl methacrylate	15.	U	15.	UJ	15.	UR	15.	U	15.	UJ	15.	U
109-06-8	2-Picoline	45.	U	45.	U	45.	UR	45.	U	45.	U	45.	U
10595-95-6	N-Nitrosomethylethylamine	20.	U	20.	UJ	20.	UR	20.	U	20.	U	20.	U
66-27-3	Methyl methanesulfonate	20.	U	20.	UJ	20.	UR	20.	U	20.	UJ	20.	U
55-18-5	N-Nitrosodiethylamine	15.	U	15.	U	15.	UR	15.	U	15.	U	15.	U
62-50-0	Ethyl methanesulfonate	20.	U	20.	UJ	20.	UR	20.	U	20.	U	20.	U
108-95-2	Phenol	15.	U	15.	U	15.	UR	15.	U	15.	U	15.	U
62-53-3	Aniline	15.	U	15.	U	15.	UR	15.	U	15.	U	15.	U
111-44-4	bis(2-Chloroethyl)ether	20.	U	20.	UJ	20.	UR	20.	U	20.	UJ	20.	U
76-01-7	Pentachloroethane	10.	U	10.	U	10.	UR	10.	U	10.	U	10.	U
95-57-8	2-Chlorophenol	15.	U	15.	U	15.	UR	15.	U	15.	U	15.	U
541-73-1	1,3-Dichlorobenzene	10.	U	10.	U	10.	UR	10.	U	10.	U	10.	U
100-44-7	Benzyl chloride	5.	U	5.	UJ	5.	UR	5.	U	5.	UJ	5.	U
106-46-7	1,4-Dichlorobenzene	10.	U	10.	U	10.	UR	10.	U	10.	U	10.	U
100-51-6	Benzyl alcohol	20.	U	20.	U	20.	UR	20.	U	20.	U	20.	U
95-50-1	1,2-Dichlorobenzene	10.	U	10.	U	10.	UR	10.	U	10.	U	10.	U
95-48-7	2-Methylphenol (o-Cresol)	20.	U	20.	U	20.	UR	20.	U	20.	U	20.	U
39638-32-9	Bis(2-Chloroisopropyl)Ether	15.	U	15.	U	15.	UR	15.	U	15.	UJ	15.	U
108-39-4	3-Methylphenol (m-Cresol)	35.	UJ	35.	UJ	35.	UR	35.	UJ	35.	U	35.	U
106-44-5	4-Methylphenol (p-Cresol)	35.	UJ	35.	UJ	35.	UR	35.	UJ	35.	U	35.	U
930-55-2	N-Nitrosopyrrolidine	15.	U	15.	UJ	15.	UR	15.	U	15.	UJ	15.	U
621-64-7	N-Nitroso-di-n-propylamine	20.	UJ	20.	UJ	20.	UR	20.	UJ	20.	UJ	20.	U
98-86-2	Acetophenone	20.	U	20.	U	20.	UR	20.	U	20.	U	20.	U
59-89-2	N-Nitrosomorpholine	10.	UJ	10.	UJ	10.	UR	10.	UJ	10.	U	10.	U
636-21-5	o-Toluidine hydrochloride	25.	UJ	25.	UJ	25.	UR	25.	UJ	25.	U	25.	U
67-72-1	Hexachloroethane	10.	U	10.	UJ	10.	UR	10.	U	10.	U	10.	U
98-95-3	Nitrobenzene	10.	U	10.	UJ	10.	UR	10.	U	10.	UJ	10.	U
100-75-4	N-Nitrosopiperidine	10.	U	10.	U	10.	UR	10.	U	10.	U	10.	U
78-59-1	Isophorone	10.	U	10.	U	10.	UR	10.	U	10.	UJ	10.	U
88-75-5	2-Nitrophenol	5.	U	5.	U	5.	UR	5.	U	5.	U	5.	U
105-67-9	2,4-Dimethylphenol	35.	U	35.	UJ	35.	UR	35.	U	35.	U	35.	U
108-70-3	1,3,5-Trichlorobenzene	5.	U	5.	U	5.	UR	5.	U	5.	U	5.	U
98-87-3	Benzal chloride	15.	U	15.	U	15.	UR	15.	U	15.	U	15.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	047-G-W002-01	047-G-W003-01	047-G-W004-01	047-G-W005-01	047-H-W005-01	047-G-W006-01
	ORIGINAL ID ----->	047GW00201	047GW00301	047GW00401	047GW00501	047HW00501	047GW00601
	LAB SAMPLE ID --->	731762	731722	733198	731835	731853	732738
	ID FROM REPORT -->	047GW00201	047GW00301	047GW00401	047GW00501	047HW00501	047GW00601
	SAMPLE DATE ----->	06/14/95	06/14/95	06/15/95	06/14/95	06/14/95	06/15/95
	DATE EXTRACTED -->	06/20/95	06/20/95	06/30/95	06/20/95	06/20/95	06/22/95
	DATE ANALYZED --->	07/14/95	07/13/95	07/20/95	07/14/95	07/12/95	07/20/95
	MATRIX ---------->	Water	Water	Water	Water	Water	Water
	UNITS ----------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	0017S	VAL	0017S	VAL	0018S	VAL	0017S	VAL	0018S	VAL	0018S	VAL
126-68-1	O,O,O-Triethylphosphorothioate	110.	U	110.	U	110.	UR	110.	U	110.	U	110.	U
65-85-0	Benzoic acid	95.	UJ	95.	U	95.	UR	95.	UJ	95.	UJ	95.	U
111-91-1	bis(2-Chloroethoxy)methane	15.	U	15.	U	15.	UR	15.	U	15.	U	15.	U
120-83-2	2,4-Dichlorophenol	15.	U	15.	U	15.	UR	15.	U	15.	U	15.	U
120-82-1	1,2,4-Trichlorobenzene	5.	U	5.	U	5.	UR	5.	U	5.	U	5.	U
91-20-3	Naphthalene	5.	U	5.	U	5.	UR	5.	U	5.	U	5.	U
106-47-8	4-Chloroaniline	5.	U	5.	U	5.	UR	5.	U	5.	U	5.	U
87-65-0	2,6-Dichlorophenol	25.	U	25.	U	25.	UR	25.	U	25.	U	25.	U
1888-71-7	Hexachloropropene	20.	U	20.	U	20.	UR	20.	U	20.	U	20.	U
87-68-3	Hexachlorobutadiene	5.	U	5.	U	5.	UR	5.	U	5.	U	5.	U
87-61-6	1,2,3-Trichlorobenzene	5.	U	5.	U	5.	UR	5.	U	5.	U	5.	U
98-07-7	Benzotrichloride	5.	U	5.	U	5.	UR	5.	U	5.	U	5.	U
924-16-3	N-Nitroso-di-n-butylamine	10.	U	10.	U	10.	UR	10.	U	10.	UJ	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U	10.	U	10.	UR	10.	U	10.	U	10.	U
94-59-7	Safrole	5.	U	5.	U	5.	UR	5.	U	5.	U	5.	U
91-57-6	2-Methylnaphthalene	10.	U	10.	U	10.	UR	10.	U	10.	U	10.	U
90-12-0	1-Methyl naphthalene	15.	U	15.	U	15.	UR	15.	U	15.	U	15.	U
77-47-4	Hexachlorocyclopentadiene	25.	UJ	25.	UJ	25.	UR	25.	UJ	25.	U	25.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	15.	UJ	15.	U	15.	UR	15.	UJ	15.	U	15.	U
634-90-2	1,2,3,5-Tetrachlorobenzene	15.	UJ	15.	U	15.	UR	15.	UJ	15.	U	15.	U
88-06-2	2,4,6-Trichlorophenol	25.	U	25.	U	25.	UR	25.	U	25.	U	25.	U
95-95-4	2,4,5-Trichlorophenol	25.	U	25.	U	25.	UR	25.	U	25.	U	25.	U
120-58-1	Isosafrole	10.	U	10.	U	10.	UR	10.	U	10.	U	10.	U
634-66-2	1,2,3,4-Tetrachlorobenzene	10.	U	10.	U	10.	UR	10.	U	10.	U	10.	U
91-58-7	2-Chloronaphthalene	15.	U	15.	U	15.	UR	15.	U	15.	U	15.	U
90-13-1	1-Chloronaphthalene	25.	U	25.	U	25.	UR	25.	U	25.	U	25.	U
88-74-4	2-Nitroaniline	20.	U	20.	U	20.	UR	20.	U	20.	UJ	20.	U
130-15-4	1,4-Naphthoquinone	35.	UJ	35.	UJ	35.	UR	35.	UJ	35.	U	35.	UJ
131-11-3	Dimethyl phthalate	10.	U	10.	U	10.	UR	10.	U	10.	U	10.	U
99-65-0	1,3-Dinitrobenzene	15.	UJ	15.	U	15.	UR	15.	UJ	15.	U	15.	U
606-20-2	2,6-Dinitrotoluene	15.	U	15.	U	15.	UR	15.	U	15.	U	15.	U
208-96-8	Acenaphthylene	10.	U	10.	U	10.	UR	10.	U	10.	U	10.	U
99-09-2	3-Nitroaniline	30.	U	30.	U	30.	UR	30.	U	30.	U	30.	U
83-32-9	Acenaphthene	10.	U	10.	U	10.	UR	10.	U	10.	U	10.	U
51-28-5	2,4-Dinitrophenol	75.	U	75.	UJ	75.	UR	75.	U	75.	U	75.	U
100-02-7	4-Nitrophenol	45.	U	45.	U	45.	UR	45.	U	45.	UJ	45.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	047-G-W002-01	047-G-W003-01	047-G-W004-01	047-G-W005-01	047-H-W005-01	047-G-W006-01
	ORIGINAL ID ----->	047GW00201	047GW00301	047GW00401	047GW00501	047HW00501	047GW00601
	LAB SAMPLE ID --->	731762	731722	733198	731835	731853	732738
	ID FROM REPORT -->	047GW00201	047GW00301	047GW00401	047GW00501	047HW00501	047GW00601
	SAMPLE DATE ----->	06/14/95	06/14/95	06/15/95	06/14/95	06/14/95	06/15/95
	DATE EXTRACTED -->	06/20/95	06/20/95	06/30/95	06/20/95	06/20/95	06/22/95
	DATE ANALYZED --->	07/14/95	07/13/95	07/20/95	07/14/95	07/12/95	07/20/95
	MATRIX ---------->	Water	Water	Water	Water	Water	Water
	UNITS ---------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	0017S	VAL	0017S	VAL	0018S	VAL	0017S	VAL	0018S	VAL	0018S	VAL
608-93-5	Pentachlorobenzene	10.	U	10.	U	10.	UR	10.	U	10.	U	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U	10.	U	10.	UR	10.	U	10.	U	10.	U
132-64-9	Dibenzofuran	10.	U	10.	U	10.	UR	10.	U	10.	U	10.	U
91-59-8	2-Naphthylamine	20.	U	20.	U	20.	UR	20.	U	20.	U	20.	U
58-90-2	2,3,4,6-Tetrachlorophenol	35.	U	35.	U	35.	UR	35.	U	35.	U	35.	U
134-32-7	1-Naphthylamine	35.	U	35.	UJ	35.	UR	35.	U	35.	U	35.	U
84-66-2	Diethylphthalate	15.	U	15.	U	15.	UR	15.	U	15.	U	1.	J
297-97-2	Thionazin	15.	U	15.	U	15.	UR	15.	U	15.	U	15.	U
7005-72-3	4-Chlorophenylphenylether	10.	U	10.	U	10.	UR	10.	U	10.	U	10.	U
99-55-8	5-Nitro-o-toluidine	30.	U	30.	U	30.	UR	30.	U	30.	U	30.	U
86-73-7	Fluorene	10.	U	10.	U	10.	UR	10.	U	10.	U	10.	U
100-01-6	4-Nitroaniline	35.	UJ	35.	UJ	35.	UR	35.	UJ	35.	U	35.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	45.	U	45.	U	45.	UR	45.	U	45.	U	45.	U
86-30-6	N-Nitrosodiphenylamine	30.	U	30.	U	30.	UR	30.	U	30.	U	30.	U
122-39-4	Diphenylamine	30.	U	30.	U	30.	UR	30.	U	30.	U	30.	U
122-66-7	Hydrazine, 1,2-diphenyl	15.	U	15.	U	15.	UR	15.	U	15.	UJ	15.	U
99-35-4	1,3,5-Trinitrobenzene	45.	U	45.	U	45.	UR	45.	U	45.	U	45.	U
2303-16-4	Diallate	20.	U	20.	U	20.	UR	20.	U	20.	U	20.	U
62-44-2	Phenacetin	20.	U	20.	U	20.	UR	20.	U	20.	UJ	20.	U
101-55-3	4-Bromophenyl-phenylether	15.	U	15.	U	15.	UR	15.	U	15.	U	15.	U
118-74-1	Hexachlorobenzene	15.	U	15.	U	15.	UR	15.	U	15.	U	15.	U
60-51-5	Dimethoate	15.	U	15.	U	15.	UR	15.	U	15.	UJ	15.	U
92-67-1	4-Aminobiphenyl	10.	U	10.	U	10.	UR	10.	U	10.	U	10.	U
87-86-5	Pentachlorophenol	55.	U	55.	U	55.	UR	55.	U	55.	U	55.	U
23950-58-5	Pronamide	15.	U	15.	U	15.	UR	15.	U	15.	U	15.	U
82-68-8	Pentachloronitrobenzene	15.	U	15.	U	15.	UR	15.	U	15.	U	15.	U
85-01-8	Phenanthrene	15.	U	15.	U	15.	UR	15.	U	15.	U	1.	J
120-12-7	Anthracene	15.	U	15.	U	15.	UR	15.	U	15.	U	15.	U
84-74-2	Di-n-butylphthalate	15.	U	15.	U	15.	UR	15.	U	15.	U	15.	U
56-57-5	4-Nitroquinoline 1-oxide	75.	UJ	75.	UJ	75.	UR	75.	UJ	75.	U	75.	UR
91-80-5	Methapyrilene	30.	UJ	30.	UJ	30.	UR	30.	UJ	30.	UR	30.	U
6055-19-2	Cyclophosphamide Hydrate	20.	UR	20.	UR	20.	UR	20.	UR	20.	UJ	20.	UR
465-73-6	Isodrin	15.	U	15.	U	15.	UR	15.	U	15.	UR	15.	U
206-44-0	Fluoranthene	20.	U	20.	U	20.	UR	20.	U	20.	U	3.	J
92-87-5	Benzidine	25.	UJ	25.	UJ	25.	UR	25.	UJ	25.	UJ	25.	U
129-00-0	Pyrene	10.	UJ	10.	UJ	10.	UR	10.	UJ	10.	U	3.	J

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------>	047-G-W002-01	047-G-W003-01	047-G-W004-01	047-G-W005-01	047-H-W005-01	047-G-W006-01
	ORIGINAL ID ----->	047GW00201	047GW00301	047GW00401	047GW00501	047HW00501	047GW00601
	LAB SAMPLE ID --->	731762	731722	733198	731835	731853	732738
	ID FROM REPORT -->	047GW00201	047GW00301	047GW00401	047GW00501	047HW00501	047GW00601
	SAMPLE DATE ----->	06/14/95	06/14/95	06/15/95	06/14/95	06/14/95	06/15/95
	DATE EXTRACTED -->	06/20/95	06/20/95	06/30/95	06/20/95	06/20/95	06/22/95
	DATE ANALYZED --->	07/14/95	07/13/95	07/20/95	07/14/95	07/12/95	07/20/95
	MATRIX ---------->	Water	Water	Water	Water	Water	Water
	UNITS ---------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	0017S	VAL	0017S	VAL	0018S	VAL	0017S	VAL	0018S	VAL	0018S	VAL
140-57-8	Aramite	20.	UJ	20.	U	20.	UR	20.	UJ	20.	U	20.	U
60-11-7	p-(Dimethylamino)azobenzene	10.	U	10.	U	10.	UR	10.	U	10.	U	10.	U
510-15-6	Chlorobenzilate	10.	UJ	10.	U	10.	UR	10.	UJ	10.	UJ	10.	U
52-85-7	Famphur	65.	UJ	65.	UJ	65.	UR	65.	UJ	65.	U	65.	UJ
85-68-7	Butylbenzylphthalate	10.	UJ	10.	U	4.		10.	UJ	10.	UJ	4.	J
119-93-7	3,3-Dimethylbenzidine	100.	UJ	100.	UJ	100.	UR	100.	UJ	100.		100.	U
53-96-3	Acetamidofluorene	10.	U	10.	U	10.	UR	10.	U	10.	U	10.	U
119-90-4	3,3'-Dimethoxybenzidine	20.	U	20.	U	20.	UR	20.	U	20.	UJ	20.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	25.	U	25.	U	10.	UR	25.	U	10.	U	10.	U
101-14-4	Benzenamine, 4,4'-methylenebis[2chloro-	15.	U	15.	U	15.	UR	15.	U	15.	UJ	15.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U	10.	U	10.	UR	10.	U	10.	U	10.	U
56-55-3	Benzo(a)anthracene	10.	U	10.	U	10.	UR	10.	U	10.	U	10.	U
218-01-9	Chrysene	15.	U	15.	U	15.	UR	15.	U	15.	U	15.	U
117-84-0	Di-n-octyl phthalate	20.	U	20.	U	20.	UR	20.	U	20.	U	20.	U
57-97-6	7,12-Dimethylbenz(a)anthracene	10.	U	10.	U	10.	UR	10.	U	10.	U	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U	10.	U	10.	UR	10.	U	10.	U	10.	U
207-08-9	Benzo(k)fluoranthene	20.	U	20.	U	20.	UR	20.	U	20.	U	20.	U
50-32-8	Benzo(a)pyrene	5.	U	5.	U	5.	UR	5.	U	5.	U	5.	U
56-49-5	3-Methyl cholanthrene	5.	U	5.	U	5.	UR	5.	U	5.	U	5.	U
224-42-0	Dibenz(a,j)acridine	10.	U	10.	U	10.	UR	10.	U	10.	U	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U	10.	U	10.	UR	10.	U	10.	U	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U	10.	U	10.	UR	10.	U	10.	U	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U	10.	UJ	10.	UR	10.	U	10.	U	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	047-G-W007-01	047-G-W008-01	047-G-W009-01	047-G-W010-01	047-G-W011-01	047-G-W012-01
	ORIGINAL ID ----->	047GW00701	047GW00801	047GW00901	047GW01001	047GW01101	047GW01201
	LAB SAMPLE ID --->	731694	732676	732689	731679	732706	732662
	ID FROM REPORT -->	047GW00701	047GW00801	047GW00901	047GW01001	047GW01101	047GW01201
	SAMPLE DATE ----->	06/14/95	06/14/95	06/15/95	06/14/95	06/15/95	06/15/95
	DATE EXTRACTED -->	06/20/95	06/22/95	06/22/95	06/20/95	06/22/95	06/22/95
	DATE ANALYZED --->	07/14/95	07/19/95	07/19/95	07/14/95	07/20/95	07/19/95
	MATRIX ---------->	Water	Water	Water	Water	Water	Water
	UNITS ----------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	0017S	VAL	0017S	VAL	0017S	VAL	0017S	VAL	0018S	VAL	0017S	VAL
62-75-9	N-Nitrosodimethylamine	15.	U	15.	U	15.	U	15.	U	15.	U	15.	U
110-86-1	Pyridine	20.	U	20.	U	20.	U	20.	U	20.	U	20.	U
123-63-7	Paraldehyde	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
97-63-2	Ethyl methacrylate	15.	U	15.	U	15.	U	15.	U	15.	U	15.	U
109-06-8	2-Picoline	45.	U	45.	U	45.	U	45.	U	45.	U	45.	U
10595-95-6	N-Nitrosomethylethylamine	20.	U	20.	U	20.	U	20.	U	20.	U	20.	U
66-27-3	Methyl methanesulfonate	20.	U	20.	U	20.	U	20.	U	20.	U	20.	U
55-18-5	N-Nitrosodiethylamine	15.	U	15.	U	15.	U	15.	U	15.	U	15.	U
62-50-0	Ethyl methanesulfonate	20.	U	20.	U	20.	U	20.	U	20.	U	20.	U
108-95-2	Phenol	15.	U	15.	U	15.	U	15.	U	15.	U	15.	U
62-53-3	Aniline	15.	U	15.	U	15.	U	15.	U	15.	U	15.	U
111-44-4	bis(2-Chloroethyl)ether	20.	U	20.	U	20.	U	20.	U	20.	U	20.	U
76-01-7	Pentachloroethane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-57-8	2-Chlorophenol	15.	U	15.	U	15.	U	15.	U	15.	U	15.	U
541-73-1	1,3-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
100-44-7	Benzyl chloride	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
106-46-7	1,4-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
100-51-6	Benzyl alcohol	20.	U	20.	U	20.	U	20.	U	20.	U	20.	U
95-50-1	1,2-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-48-7	2-Methylphenol (o-Cresol)	20.	U	20.	U	20.	U	20.	U	20.	U	20.	U
39638-32-9	Bis(2-Chloroisopropyl)Ether	15.	U	15.	U	15.	U	15.	U	15.	U	15.	U
108-39-4	3-Methylphenol (m-Cresol)	35.	UJ	35.	U	35.	U	35.	UJ	35.	U	35.	U
106-44-5	4-Methylphenol (p-Cresol)	35.	UJ	35.	U	35.	U	35.	UJ	35.	U	35.	U
930-55-2	N-Nitrosopyrrolidine	15.	U	15.	U	15.	U	15.	U	15.	U	15.	U
621-64-7	N-Nitroso-di-n-propylamine	20.	UJ	20.	U	20.	U	20.	UJ	20.	U	20.	U
98-86-2	Acetophenone	20.	U	20.	U	20.	U	20.	U	20.	U	20.	U
59-89-2	N-Nitrosomorpholine	10.	UJ	10.	U	10.	U	10.	UJ	10.	U	10.	U
636-21-5	o-Toluidine hydrochloride	25.	UJ	25.	U	25.	U	25.	UJ	25.	U	25.	U
67-72-1	Hexachloroethane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
98-95-3	Nitrobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
100-75-4	N-Nitrosopiperidine	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
78-59-1	Isophorone	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
88-75-5	2-Nitrophenol	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
105-67-9	2,4-Dimethylphenol	35.	U	35.	U	35.	U	35.	U	35.	U	35.	U
108-70-3	1,3,5-Trichlorobenzene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
98-87-3	Benzal chloride	15.	U	15.	U	15.	U	15.	U	15.	U	15.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------>	047-G-W007-01	047-G-W008-01	047-G-W009-01	047-G-W010-01	047-G-W011-01	047-G-W012-01
	ORIGINAL ID ----->	047GW00701	047GW00801	047GW00901	047GW01001	047GW01101	047GW01201
	LAB SAMPLE ID --->	731694	732676	732689	731679	732706	732662
	ID FROM REPORT -->	047GW00701	047GW00801	047GW00901	047GW01001	047GW01101	047GW01201
	SAMPLE DATE ----->	06/14/95	06/14/95	06/15/95	06/14/95	06/15/95	06/15/95
	DATE EXTRACTED -->	06/20/95	06/22/95	06/22/95	06/20/95	06/22/95	06/22/95
	DATE ANALYZED --->	07/14/95	07/19/95	07/19/95	07/14/95	07/20/95	07/19/95
	MATRIX ---------->	Water	Water	Water	Water	Water	Water
	UNITS ----------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	0017S	VAL	0017S	VAL	0017S	VAL	0017S	VAL	0018S	VAL	0017S	VAL
126-68-1	O,O,O-Triethylphosphorothioate	110.	U	110.	U	110.	U	110.	U	110.	U	110.	U
65-85-0	Benzoic acid	95.	UJ	95.	UJ	95.	UJ	95.	UJ	95.	U	95.	UJ
111-91-1	bis(2-Chloroethoxy)methane	15.	U	15.	U	15.	U	15.	U	15.	U	15.	U
120-83-2	2,4-Dichlorophenol	15.	U	15.	U	15.	U	15.	U	15.	U	15.	U
120-82-1	1,2,4-Trichlorobenzene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
91-20-3	Naphthalene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
106-47-8	4-Chloroaniline	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
87-65-0	2,6-Dichlorophenol	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
1888-71-7	Hexachloropropene	20.	U	20.	U	20.	U	20.	U	20.	U	20.	U
87-68-3	Hexachlorobutadiene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
87-61-6	1,2,3-Trichlorobenzene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
98-07-7	Benzotrichloride	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
924-16-3	N-Nitroso-di-n-butylamine	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
94-59-7	Safrole	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
91-57-6	2-Methylnaphthalene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
90-12-0	1-Methyl naphthalene	15.	U	15.	U	15.	U	15.	U	15.	U	15.	U
77-47-4	Hexachlorocyclopentadiene	25.	UJ	25.	U	25.	U	25.	UJ	25.	U	25.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	15.	UJ	15.	U	15.	U	15.	UJ	15.	U	15.	U
634-90-2	1,2,3,5-Tetrachlorobenzene	15.	UJ	15.	U	15.	U	15.	UJ	15.	U	15.	U
88-06-2	2,4,6-Trichlorophenol	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
95-95-4	2,4,5-Trichlorophenol	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
120-58-1	Isosafrole	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
634-66-2	1,2,3,4-Tetrachlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
91-58-7	2-Chloronaphthalene	15.	U	15.	U	15.	U	15.	U	15.	U	15.	U
90-13-1	1-Chloronaphthalene	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
88-74-4	2-Nitroaniline	20.	U	20.	U	20.	U	20.	U	20.	U	20.	U
130-15-4	1,4-Naphthoquinone	35.	UJ	35.	U	35.	U	35.	UJ	35.	UJ	35.	U
131-11-3	Dimethyl phthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
99-65-0	1,3-Dinitrobenzene	15.	UJ	15.	U	15.	U	15.	UJ	15.	U	15.	U
606-20-2	2,6-Dinitrotoluene	15.	U	15.	U	15.	U	15.	U	15.	U	15.	U
208-96-8	Acenaphthylene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
99-09-2	3-Nitroaniline	30.	U	30.	U	30.	U	30.	U	30.	U	30.	U
83-32-9	Acenaphthene	10.	U	10.	U	1.	J	10.	U	10.	U	10.	U
51-28-5	2,4-Dinitrophenol	75.	U	75.	U	75.	U	75.	U	75.	U	75.	U
100-02-7	4-Nitrophenol	45.	U	45.	U	45.	U	45.	U	45.	U	45.	U

*** Validation Complete ***

SW846-SVOA

	SAMPLE ID ------->	047-G-W007-01		047-G-W008-01		047-G-W009-01		047-G-W010-01		047-G-W011-01		047-G-W012-01	
	ORIGINAL ID ----->	047GW00701		047GW00801		047GW00901		047GW01001		047GW01101		047GW01201	
	LAB SAMPLE ID --->	731694		732676		732689		731679		732706		732662	
	ID FROM REPORT -->	047GW00701		047GW00801		047GW00901		047GW01001		047GW01101		047GW01201	
	SAMPLE DATE ----->	06/14/95		06/14/95		06/15/95		06/14/95		06/15/95		06/15/95	
	DATE EXTRACTED -->	06/20/95		06/22/95		06/22/95		06/20/95		06/22/95		06/22/95	
	DATE ANALYZED --->	07/14/95		07/19/95		07/19/95		07/14/95		07/20/95		07/19/95	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ----------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	0017S	VAL	0017S	VAL	0017S	VAL	0017S	VAL	0018S	VAL	0017S	VAL
608-93-5	Pentachlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
132-64-9	Dibenzofuran	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
91-59-8	2-Naphthylamine	20.	U	20.	U	20.	U	20.	U	20.	U	20.	U
58-90-2	2,3,4,6-Tetrachlorophenol	35.	U	35.	U	35.	U	35.	U	35.	U	35.	U
134-32-7	1-Naphthylamine	35.	U	35.	U	35.	U	35.	U	35.	U	35.	U
84-66-2	Diethylphthalate	15.	U	15.	U	15.	U	15.	U	15.	U	15.	U
297-97-2	Thionazin	15.	U	15.	U	15.	U	15.	U	15.	U	15.	U
7005-72-3	4-Chlorophenylphenylether	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
99-55-8	5-Nitro-o-toluidine	30.	U	30.	U	30.	U	30.	U	30.	U	30.	U
86-73-7	Fluorene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
100-01-6	4-Nitroaniline	35.	UJ	35.	U	35.	U	35.	UJ	35.	U	35.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	45.	U	45.	U	45.	U	45.	U	45.	U	45.	U
86-30-6	N-Nitrosodiphenylamine	30.	U	30.	U	30.	U	30.	U	30.	U	30.	U
122-39-4	Diphenylamine	30.	U	30.	U	30.	U	30.	U	30.	U	30.	U
122-66-7	Hydrazine, 1,2-diphenyl	15.	U	15.	U	15.	U	15.	U	15.	U	15.	U
99-35-4	1,3,5-Trinitrobenzene	45.	U	45.	U	45.	U	45.	U	45.	U	45.	U
2303-16-4	Diallate	20.	U	20.	U	20.	U	20.	U	20.	U	20.	U
62-44-2	Phenacetin	20.	U	20.	U	20.	U	20.	U	20.	U	20.	U
101-55-3	4-Bromophenyl-phenylether	15.	U	15.	U	15.	U	15.	U	15.	U	15.	U
118-74-1	Hexachlorobenzene	15.	U	15.	U	15.	U	15.	U	15.	U	15.	U
60-51-5	Dimethoate	15.	U	15.	U	15.	U	15.	U	15.	U	15.	U
92-67-1	4-Aminobiphenyl	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
87-86-5	Pentachlorophenol	55.	U	55.	U	55.	U	55.	U	55.	U	55.	U
23950-58-5	Pronamide	15.	U	15.	U	15.	U	15.	U	15.	U	15.	U
82-68-8	Pentachloronitrobenzene	15.	U	15.	U	15.	U	15.	U	15.	U	15.	U
85-01-8	Phenanthrene	15.	U	15.	U	15.	U	15.	U	15.	U	15.	U
120-12-7	Anthracene	15.	U	15.	U	15.	U	15.	U	15.	U	15.	U
84-74-2	Di-n-butylphthalate	15.	U	15.	U	15.	U	15.	U	15.	U	15.	U
56-57-5	4-Nitroquinoline 1-oxide	75.	UJ	75.	U	75.	U	75.	UJ	75.	UR	75.	U
91-80-5	Methapyrilene	30.	UJ	30.	U	30.	U	30.	UJ	30.	U	30.	U
6055-19-2	Cyclophosphamide Hydrate	20.	UR	20.	UR	20.	UR	20.	UR	20.	UR	20.	UR
465-73-6	Isodrin	15.	U	15.	U	15.	U	15.	U	15.	U	15.	U
206-44-0	Fluoranthene	20.	U	20.	U	20.	U	20.	U	20.	U	20.	U
92-87-5	Benzidine	25.	UJ	25.	U	25.	U	25.	UJ	25.	U	25.	U
129-00-0	Pyrene	10.	UJ	10.	U	10.	U	10.	UJ	10.	U	10.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	047-G-W007-01		047-G-W008-01		047-G-W009-01		047-G-W010-01		047-G-W011-01		047-G-W012-01	
	ORIGINAL ID ----->	047GW00701		047GW00801		047GW00901		047GW01001		047GW01101		047GW01201	
	LAB SAMPLE ID --->	731694		732676		732689		731679		732706		732662	
	ID FROM REPORT -->	047GW00701		047GW00801		047GW00901		047GW01001		047GW01101		047GW01201	
	SAMPLE DATE ----->	06/14/95		06/14/95		06/15/95		06/14/95		06/15/95		06/15/95	
	DATE EXTRACTED -->	06/20/95		06/22/95		06/22/95		06/20/95		06/22/95		06/22/95	
	DATE ANALYZED --->	07/14/95		07/19/95		07/19/95		07/14/95		07/20/95		07/19/95	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ----------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	0017S	VAL	0017S	VAL	0017S	VAL	0017S	VAL	0018S	VAL	0017S	VAL
140-57-8	Aramite	20.	UJ	20.	U	20.	U	20.	UJ	20.	U	20.	U
60-11-7	p-(Dimethylamino)azobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
510-15-6	Chlorobenzilate	10.	UJ	10.	U	10.	U	10.	UJ	10.	U	10.	U
52-85-7	Famphur	65.	UJ	65.	UJ	65.	UJ	65.	UJ	65.	UJ	65.	UJ
85-68-7	Butylbenzylphthalate	10.	UJ	10.	U	10.	U	10.	UJ	4.	J	10.	U
119-93-7	3,3-Dimethylbenzidine	100.	UJ	100.	U	100.	U	100.	UJ	100.	U	100.	U
53-96-3	Acetamidofluorene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
119-90-4	3,3'-Dimethoxybenzidine	20.	U	20.	U	20.	U	20.	U	20.	U	20.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	25.	U	10.	U	10.	U	25.	U	10.	U	10.	U
101-14-4	Benzenamine, 4,4'-methylenebis[2chloro-	15.	U	15.	U	15.	U	15.	U	15.	U	15.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
56-55-3	Benzo(a)anthracene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
218-01-9	Chrysene	15.	U	15.	U	15.	U	15.	U	15.	U	15.	U
117-84-0	Di-n-octyl phthalate	20.	U	20.	U	20.	U	20.	U	20.	U	20.	U
57-97-6	7,12-Dimethylbenz(a)anthracene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
207-08-9	Benzo(k)fluoranthene	20.	U	20.	U	20.	U	20.	U	20.	U	20.	U
50-32-8	Benzo(a)pyrene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
56-49-5	3-Methyl cholanthrene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
224-42-0	Dibenz(a,j)acridine	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	047-G-W013-01	047-G-W015-01	508-S-B001-01	508-S-B002-01	508-S-B003-01	508-S-B004-01
	ORIGINAL ID ----->	047GW01301	047GW01501	508SB00101	508SB00201	508SB00301	508SB00401
	LAB SAMPLE ID --->	731741	732654	692017	692030	692024	692061
	ID FROM REPORT -->	047GW01301	047GW01501	508SB00101	508SB00201	508SB00301	508SB00401
	SAMPLE DATE ----->	06/14/95	06/15/95	03/21/95	03/21/95	03/21/95	03/21/95
	DATE EXTRACTED -->	06/20/95	06/22/95	03/24/95	03/24/95	03/24/95	03/24/95
	DATE ANALYZED --->	07/14/95	07/19/95	03/25/95	03/25/95	03/25/95	03/25/95
	MATRIX ---------->	Water	Water	Soil	Soil	Soil	Soil
	UNITS ----------->	UG/L	UG/L	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0017S	VAL	0017S	VAL	0002S	VAL	0002S	VAL	0002S	VAL	0002S	VAL
62-75-9	N-Nitrosodimethylamine	15.	U	15.	U	720.	U	720.	U	760.	U	700.	U
110-86-1	Pyridine	20.	U	20.	U	600.	U	600.	U	640.	U	580.	U
123-63-7	Paraldehyde	10.	U	10.	U	390.	U	390.	U	420.	U	380.	U
97-63-2	Ethyl methacrylate	15.	U	15.	U	640.	U	640.	U	680.	U	620.	U
109-06-8	2-Picoline	45.	U	45.	U	1300.	U	1300.	U	1400.	U	1300.	U
10595-95-6	N-Nitrosomethylethylamine	20.	U	20.	U	590.	U	590.	U	620.	U	570.	U
66-27-3	Methyl methanesulfonate	20.	U	20.	U	760.	U	760.	U	810.	U	740.	U
55-18-5	N-Nitrosodiethylamine	15.	U	15.	U	650.	U	660.	U	690.	U	630.	U
62-50-0	Ethyl methanesulfonate	20.	U	20.	U	650.	U	660.	U	690.	U	630.	U
108-95-2	Phenol	15.	U	15.	U	620.	U	620.	U	660.	U	600.	U
62-53-3	Aniline	15.	U	15.	U	610.	U	610.	U	650.	U	590.	U
111-44-4	bis(2-Chloroethyl)ether	20.	U	20.	U	640.	U	640.	U	680.	U	620.	U
76-01-7	Pentachloroethane	10.	U	10.	U	900.	U	910.	U	960.	U	880.	U
95-57-8	2-Chlorophenol	15.	U	15.	U	680.	U	690.	U	730.	U	670.	U
541-73-1	1,3-Dichlorobenzene	10.	U	10.	U	550.	U	560.	U	590.	U	540.	U
100-44-7	Benzyl chloride	5.	U	5.	U	630.	U	630.	U	670.	U	610.	U
106-46-7	1,4-Dichlorobenzene	10.	U	10.	U	560.	U	570.	U	600.	U	550.	U
100-51-6	Benzyl alcohol	20.	U	20.	U	600.	U	600.	U	640.	U	580.	U
95-50-1	1,2-Dichlorobenzene	10.	U	10.	U	640.	U	640.	U	680.	U	620.	U
95-48-7	2-Methylphenol (o-Cresol)	20.	U	20.	U	700.	U	710.	U	750.	U	690.	U
39638-32-9	Bis(2-Chloroisopropyl)Ether	15.	U	15.	U	700.	U	710.	U	750.	U	690.	U
108-39-4	3-Methylphenol (m-Cresol)	35.	UJ	35.	U	1400.	U	1400.	U	1500.	U	1400.	U
106-44-5	4-Methylphenol (p-Cresol)	35.	UJ	35.	U	1400.	U	1400.	U	1500.	U	1400.	U
930-55-2	N-Nitrosopyrrolidine	15.	U	15.	U	570.	U	580.	U	610.	U	560.	U
621-64-7	N-Nitroso-di-n-propylamine	20.	UJ	20.	U	660.	U	670.	U	700.	U	650.	U
98-86-2	Acetophenone	20.	U	20.	U	720.	U	720.	U	760.	U	700.	U
59-89-2	N-Nitrosomorpholine	10.	UJ	10.	U	810.	U	820.	U	870.	U	790.	U
636-21-5	o-Toluidine hydrochloride	25.	UJ	25.	U	2200.	U	2200.	U	2300.	U	2100.	U
67-72-1	Hexachloroethane	10.	U	10.	U	650.	U	660.	U	690.	U	630.	U
98-95-3	Nitrobenzene	10.	U	10.	U	740.	U	740.	U	790.	U	720.	U
100-75-4	N-Nitrosopiperidine	10.	U	10.	U	800.	U	810.	U	850.	U	780.	U
78-59-1	Isophorone	10.	U	10.	U	740.	U	740.	U	790.	U	720.	U
88-75-5	2-Nitrophenol	5.	U	5.	U	670.	U	680.	U	720.	U	660.	U
105-67-9	2,4-Dimethylphenol	35.	U	35.	U	660.	U	670.	U	700.	U	650.	U
108-70-3	1,3,5-Trichlorobenzene	5.	U	5.	U	660.	U	670.	U	700.	U	650.	U
98-87-3	Benzal chloride	15.	U	15.	U	570.	U	580.	U	610.	U	560.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------>	047-G-W013-01	047-G-W015-01	508-S-B001-01	508-S-B002-01	508-S-B003-01	508-S-B004-01
	ORIGINAL ID ----->	047GW01301	047GW01501	508SB00101	508SB00201	508SB00301	508SB00401
	LAB SAMPLE ID --->	731741	732654	692017	692030	692024	692061
	ID FROM REPORT -->	047GW01301	047GW01501	508SB00101	508SB00201	508SB00301	508SB00401
	SAMPLE DATE ----->	06/14/95	06/15/95	03/21/95	03/21/95	03/21/95	03/21/95
	DATE EXTRACTED -->	06/20/95	06/22/95	03/24/95	03/24/95	03/24/95	03/24/95
	DATE ANALYZED --->	07/14/95	07/19/95	03/25/95	03/25/95	03/25/95	03/25/95
	MATRIX ---------->	Water	Water	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/L	UG/L	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0017S	VAL	0017S	VAL	0002S	VAL	0002S	VAL	0002S	VAL	0002S	VAL
126-68-1	O,O,O-Triethylphosphorothioate	110.	U	110.	U	5700.	U	5800.	U	6100.	U	5600.	U
65-85-0	Benzoic acid	95.	UJ	95.	UJ	2100.	UJ	2100.	UJ	2200.	UJ	2000.	UJ
111-91-1	bis(2-Chloroethoxy)methane	15.	U	15.	U	730.	U	730.	U	770.	U	710.	U
120-83-2	2,4-Dichlorophenol	15.	U	15.	U	600.	U	600.	U	640.	U	580.	U
120-82-1	1,2,4-Trichlorobenzene	5.	U	5.	U	600.	U	600.	U	640.	U	580.	U
91-20-3	Naphthalene	5.	U	5.	U	720.	U	720.	U	760.	U	700.	U
106-47-8	4-Chloroaniline	5.	U	5.	U	750.	U	750.	U	800.	U	730.	U
87-65-0	2,6-Dichlorophenol	25.	U	25.	U	1300.	U	1300.	U	1400.	U	1300.	U
1888-71-7	Hexachloropropene	20.	U	20.	U	620.	U	620.	U	660.	U	600.	U
87-68-3	Hexachlorobutadiene	5.	U	5.	U	610.	U	610.	U	650.	U	590.	U
87-61-6	1,2,3-Trichlorobenzene	5.	U	5.	U	650.	U	660.	U	690.	U	630.	U
98-07-7	Benzotrichloride	5.	U	5.	U	670.	U	680.	U	720.	U	660.	U
924-16-3	N-Nitroso-di-n-butylamine	10.	U	10.	U	1500.	U	1500.	U	1600.	U	1500.	U
59-50-7	4-Chloro-3-methylphenol	10.	U	10.	U	810.	U	820.	U	870.	U	790.	U
94-59-7	Safrole	5.	U	5.	U	630.	U	630.	U	670.	U	610.	U
91-57-6	2-Methylnaphthalene	10.	U	10.	U	910.	U	920.	U	970.	U	890.	U
90-12-0	1-Methyl naphthalene	15.	U	15.	U	1200.	U	1200.	U	1300.	U	1200.	U
77-47-4	Hexachlorocyclopentadiene	25.	UJ	25.	U	720.	U	720.	U	760.	U	700.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	15.	UJ	15.	U	1400.	U	1400.	U	1500.	U	1400.	U
634-90-2	1,2,3,5-Tetrachlorobenzene	15.	UJ	15.	U	1400.	U	1400.	U	1500.	U	1400.	U
88-06-2	2,4,6-Trichlorophenol	25.	U	25.	U	1400.	U	1400.	U	1500.	U	1400.	U
95-95-4	2,4,5-Trichlorophenol	25.	U	25.	U	1400.	U	1400.	U	1500.	U	1400.	U
120-58-1	Isosafrole	10.	U	10.	U	1400.	U	1400.	U	1500.	U	1400.	U
634-66-2	1,2,3,4-Tetrachlorobenzene	10.	U	10.	U	690.	U	700.	U	740.	U	680.	U
91-58-7	2-Chloronaphthalene	15.	U	15.	U	1100.	U	1100.	U	1100.	U	1000.	U
90-13-1	1-Chloronaphthalene	25.	U	25.	U	1300.	U	1300.	U	1400.	U	1300.	U
88-74-4	2-Nitroaniline	20.	U	20.	U	1200.	U	1200.	U	1300.	U	1200.	U
130-15-4	1,4-Naphthoquinone	35.	UJ	35.	U	1700.	U	1700.	U	1800.	U	1700.	U
131-11-3	Dimethyl phthalate	10.	U	10.	U	1100.	U	1100.	U	1100.	U	1000.	U
99-65-0	1,3-Dinitrobenzene	15.	UJ	15.	U	610.	U	610.	U	650.	U	590.	U
606-20-2	2,6-Dinitrotoluene	15.	U	15.	U	810.	U	820.	U	870.	U	790.	U
208-96-8	Acenaphthylene	10.	U	10.	U	730.	U	730.	U	110.	J	710.	U
99-09-2	3-Nitroaniline	30.	U	30.	U	750.	U	750.	U	800.	U	730.	U
83-32-9	Acenaphthene	1.	J	10.	U	720.	U	720.	U	760.	U	700.	U
51-28-5	2,4-Dinitrophenol	75.	U	75.	U	1800.	UJ	1900.	UJ	2000.	UJ	1800.	UJ
100-02-7	4-Nitrophenol	45.	U	45.	U	4900.	UJ	4900.	UJ	5200.	UJ	4800.	UJ

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	047-G-W013-01	047-G-W015-01	508-S-B001-01	508-S-B002-01	508-S-B003-01	508-S-B004-01
	ORIGINAL ID ----->	047GW01301	047GW01501	508SB00101	508SB00201	508SB00301	508SB00401
	LAB SAMPLE ID --->	731741	732654	692017	692030	692024	692061
	ID FROM REPORT -->	047GW01301	047GW01501	508SB00101	508SB00201	508SB00301	508SB00401
	SAMPLE DATE ----->	06/14/95	06/15/95	03/21/95	03/21/95	03/21/95	03/21/95
	DATE EXTRACTED -->	06/20/95	06/22/95	03/24/95	03/24/95	03/24/95	03/24/95
	DATE ANALYZED --->	07/14/95	07/19/95	03/25/95	03/25/95	03/25/95	03/25/95
	MATRIX ---------->	Water	Water	Soil	Soil	Soil	Soil
	UNITS ----------->	UG/L	UG/L	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0017S	VAL	0017S	VAL	0002S	VAL	0002S	VAL	0002S	VAL	0002S	VAL
608-93-5	Pentachlorobenzene	10.	U	10.	U	720.	U	720.	U	760.	U	700.	U
121-14-2	2,4-Dinitrotoluene	10.	U	10.	U	720.	U	720.	U	760.	U	700.	U
132-64-9	Dibenzofuran	10.	U	10.	U	750.	U	750.	U	800.	U	730.	U
91-59-8	2-Naphthylamine	20.	U	20.	U	930.	U	940.	U	990.	U	910.	U
58-90-2	2,3,4,6-Tetrachlorophenol	35.	U	35.	U	1500.	U	1500.	U	1600.	U	1500.	U
134-32-7	1-Naphthylamine	35.	U	35.	U	1500.	U	1500.	U	1600.	U	1500.	U
84-66-2	Diethylphthalate	15.	U	15.	U	780.	U	790.	U	830.	U	760.	U
297-97-2	Thionazin	15.	U	15.	U	730.	U	730.	U	770.	U	710.	U
7005-72-3	4-Chlorophenylphenylether	10.	U	10.	U	650.	U	660.	U	690.	U	630.	U
99-55-8	5-Nitro-o-toluidine	30.	U	30.	U	1100.	U	1100.	U	1200.	U	1100.	U
86-73-7	Fluorene	10.	U	10.	U	750.	U	750.	U	800.	U	730.	U
100-01-6	4-Nitroaniline	35.	UJ	35.	U	1200.	U	1200.	U	1300.	U	1200.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	45.	U	45.	U	2000.	U	2000.	U	2100.	U	1900.	U
86-30-6	N-Nitrosodiphenylamine	30.	U	30.	U	1500.	U	1500.	U	1600.	U	1500.	U
122-39-4	Diphenylamine	30.	U	30.	U	1500.	U	1500.	U	1600.	U	1500.	U
122-66-7	Hydrazine, 1,2-diphenyl	15.	U	15.	U	750.	U	750.	U	800.	U	730.	U
99-35-4	1,3,5-Trinitrobenzene	45.	U	45.	U	990.	U	990.	U	1100.	U	960.	U
2303-16-4	Diallate	20.	U	20.	U	720.	U	720.	U	760.	U	700.	U
62-44-2	Phenacetin	20.	U	20.	U	660.	U	670.	U	700.	U	650.	U
101-55-3	4-Bromophenyl-phenylether	15.	U	15.	U	810.	U	820.	U	870.	U	790.	U
118-74-1	Hexachlorobenzene	15.	U	15.	U	840.	U	840.	U	890.	U	810.	U
60-51-5	Dimethoate	15.	U	15.	U	720.	U	720.	U	760.	U	700.	U
92-67-1	4-Aminobiphenyl	10.	U	10.	U	440.	U	450.	U	470.	U	430.	U
87-86-5	Pentachlorophenol	55.	U	55.	U	1500.	U	1500.	U	1600.	U	1500.	U
23950-58-5	Pronamide	15.	U	15.	U	700.	U	710.	U	750.	U	690.	U
82-68-8	Pentachloronitrobenzene	15.	U	15.	U	690.	U	700.	U	740.	U	680.	U
85-01-8	Phenanthrene	15.	U	15.	U	670.	U	680.	U	140.	J	660.	U
120-12-7	Anthracene	15.	U	15.	U	800.	U	810.	U	850.	U	780.	U
84-74-2	Di-n-butylphthalate	15.	U	15.	U	840.	U	840.	U	890.	U	810.	U
56-57-5	4-Nitroquinoline 1-oxide	75.	UJ	75.	U	5200.	UR	5200.	UR	5500.	UR	5100.	UR
91-80-5	Methapyrilene	30.	UJ	30.	U	1400.	UJ	1400.	UJ	1500.	UJ	1400.	UJ
6055-19-2	Cyclophosphamide Hydrate	20.	UR	20.	UR	680.	UR	690.	UR	730.	UR	670.	UR
465-73-6	Isodrin	15.	U	15.	U	1000.	U	1000.	U	1100.	U	970.	U
206-44-0	Fluoranthene	20.	U	20.	U	1000.	U	36.	J	940.	J	66.	J
92-87-5	Benzidine	25.	UJ	25.	U	1700.	UJ	1700.	UJ	1800.	UJ	1700.	UJ
129-00-0	Pyrene	10.	UJ	10.	U	790.	U	39.	J	1300.		68.	J

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	047-G-W013-01	047-G-W015-01	508-S-B001-01	508-S-B002-01	508-S-B003-01	508-S-B004-01
	ORIGINAL ID ----->	047GW01301	047GW01501	508SB00101	508SB00201	508SB00301	508SB00401
	LAB SAMPLE ID --->	731741	732654	692017	692030	692024	692061
	ID FROM REPORT -->	047GW01301	047GW01501	508SB00101	508SB00201	508SB00301	508SB00401
	SAMPLE DATE ----->	06/14/95	06/15/95	03/21/95	03/21/95	03/21/95	03/21/95
	DATE EXTRACTED -->	06/20/95	06/22/95	03/24/95	03/24/95	03/24/95	03/24/95
	DATE ANALYZED --->	07/14/95	07/19/95	03/25/95	03/25/95	03/25/95	03/25/95
	MATRIX ---------->	Water	Water	Soil	Soil	Soil	Soil
	UNITS ----------->	UG/L	UG/L	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0017S	VAL	0017S	VAL	0002S	VAL	0002S	VAL	0002S	VAL	0002S	VAL
140-57-8	Aramite	20.	UJ	20.	U	720.	U	720.	U	760.	U	700.	U
60-11-7	p-(Dimethylamino)azobenzene	10.	U	10.	U	730.	U	730.	U	770.	U	710.	U
510-15-6	Chlorobenzilate	10.	UJ	10.	U	770.	U	780.	U	820.	U	750.	U
52-85-7	Famphur	65.	UJ	65.	UJ	2200.	U	2200.	U	2300.	U	2100.	U
85-68-7	Butylbenzylphthalate	10.	UJ	10.	U	740.	U	740.	U	790.	U	720.	U
119-93-7	3,3-Dimethylbenzidine	100.	UJ	100.	U	1100.	U	1100.	U	1100.	U	1000.	U
53-96-3	Acetamidofluorene	10.	U	10.	U	770.	U	780.	U	820.	U	750.	U
119-90-4	3,3'-Dimethoxybenzidine	20.	U	20.	U	1100.	U	1100.	U	1100.	U	1000.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	25.	U	10.	U	810.	U	820.	U	870.	U	790.	U
101-14-4	Benzenamine, 4,4'-methylenebis[2chloro-	15.	U	15.	U	490.	U	490.	U	520.	U	480.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U	10.	U	540.	U	550.	U	580.	U	530.	U
56-55-3	Benzo(a)anthracene	10.	U	10.	U	720.	U	720.	U	910.		41.	J
218-01-9	Chrysene	15.	U	15.	U	590.	U	39.	J	880.		40.	J
117-84-0	Di-n-octyl phthalate	20.	U	20.	U	520.	U	520.	U	550.	U	510.	U
57-97-6	7,12-Dimethylbenz(a)anthracene	10.	U	10.	U	440.	U	450.	U	470.	U	430.	U
205-99-2	Benzo(b)fluoranthene	10.	U	10.	U	840.	U	69.	J	1700.		83.	J
207-08-9	Benzo(k)fluoranthene	20.	U	20.	U	670.	U	75.	J	1900.		90.	J
50-32-8	Benzo(a)pyrene	5.	U	5.	U	720.	U	720.	U	1100.		45.	J
56-49-5	3-Methyl cholanthrene	5.	U	5.	U	660.	U	670.	U	700.	U	650.	U
224-42-0	Dibenz(a,j)acridine	10.	U	10.	U	440.	U	450.	U	470.	U	430.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U	10.	U	500.	U	500.	U	450.	J	490.	U
53-70-3	Dibenz(a,h)anthracene	10.	U	10.	U	470.	U	470.	U	120.	J	450.	U
191-24-2	Benzo(g,h,i)perylene	10.	U	10.	U	670.	U	680.	U	470.	J	660.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------>	508-S-B004-02	508-S-B005-01	508-S-B006-01	508-C-B006-01	508-S-B007-01	508-S-B008-01
	ORIGINAL ID ----->	508SB00402	508SB00501	508SB00601	508CB00601	508SB00701	508SB00801
	LAB SAMPLE ID --->	692043	692011	692037	692240	736390	736397
	ID FROM REPORT -->	508SB00402	508SB00501	508SB00601	508CB00601	508SB00701	508SB00801
	SAMPLE DATE ----->	03/21/95	03/21/95	03/21/95	03/21/95	06/27/95	06/27/95
	DATE EXTRACTED -->	03/24/95	03/24/95	03/24/95	03/25/95	06/30/95	06/30/95
	DATE ANALYZED --->	03/25/95	03/25/95	03/25/95	03/26/95	07/20/95	07/20/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0002S	VAL	0002S	VAL	0002S	VAL	0003S	VAL	0021S	VAL	0021S	VAL
62-75-9	N-Nitrosodimethylamine	690.	U	690.	U	790.	U	810.	UJ	670.	U	710.	U
110-86-1	Pyridine	570.	U	580.	U	660.	U	680.	U	560.	U	590.	U
123-63-7	Paraldehyde	380.	U	380.	U	430.	U	440.	U	370.	U	390.	U
97-63-2	Ethyl methacrylate	610.	U	620.	U	710.	U	730.	U	600.	U	630.	U
109-06-8	2-Picoline	1300.	U	1300.	U	1400.	U	1500.	U	1200.	U	1300.	U
10595-95-6	N-Nitrosomethylethylamine	560.	U	560.	U	650.	U	660.	U	550.	U	580.	U
66-27-3	Methyl methanesulfonate	730.	U	730.	U	840.	U	860.	U	710.	U	750.	U
55-18-5	N-Nitrosodiethylamine	630.	U	630.	U	720.	U	740.	U	610.	U	640.	U
62-50-0	Ethyl methanesulfonate	630.	U	630.	U	720.	U	740.	U	610.	U	640.	U
108-95-2	Phenol	590.	U	600.	U	690.	U	700.	U	580.	U	610.	U
62-53-3	Aniline	580.	U	590.	U	670.	U	690.	U	570.	U	600.	U
111-44-4	bis(2-Chloroethyl)ether	610.	U	620.	U	710.	U	730.	U	600.	U	630.	U
76-01-7	Pentachloroethane	860.	U	870.	U	1000.	U	1000.	U	850.	U	890.	U
95-57-8	2-Chlorophenol	660.	U	660.	U	760.	U	780.	U	640.	U	680.	U
541-73-1	1,3-Dichlorobenzene	530.	U	530.	U	610.	U	630.	U	520.	U	550.	U
100-44-7	Benzyl chloride	600.	U	610.	U	700.	U	710.	U	590.	U	620.	U
106-46-7	1,4-Dichlorobenzene	540.	U	540.	U	630.	U	640.	U	530.	U	560.	U
100-51-6	Benzyl alcohol	570.	U	580.	U	660.	U	680.	U	560.	U	590.	U
95-50-1	1,2-Dichlorobenzene	610.	U	620.	U	710.	U	730.	U	600.	U	630.	U
95-48-7	2-Methylphenol (o-Cresol)	680.	U	680.	U	780.	U	800.	U	660.	U	700.	U
39638-32-9	Bis(2-Chloroisopropyl)Ether	680.	U	680.	U	780.	U	800.	UJ	660.	U	700.	U
108-39-4	3-Methylphenol (m-Cresol)	1400.	U	1400.	U	1600.	U	1600.	U	1300.	U	1400.	U
106-44-5	4-Methylphenol (p-Cresol)	1400.	U	1400.	U	1600.	U	1600.	U	1300.	U	1400.	U
930-55-2	N-Nitrosopyrrolidine	550.	U	550.	U	640.	U	650.	U	540.	U	570.	U
621-64-7	N-Nitroso-di-n-propylamine	640.	U	640.	U	730.	U	750.	U	620.	U	650.	U
98-86-2	Acetophenone	690.	U	690.	U	790.	U	810.	U	670.	U	710.	U
59-89-2	N-Nitrosomorpholine	780.	U	780.	U	900.	U	920.	U	770.	U	800.	U
636-21-5	o-Toluidine hydrochloride	2100.	U	2100.	U	2400.	U	2500.	U	2000.	U	2100.	U
67-72-1	Hexachloroethane	630.	U	630.	U	720.	U	740.	U	610.	U	640.	U
98-95-3	Nitrobenzene	710.	U	710.	U	820.	U	840.	U	690.	U	730.	U
100-75-4	N-Nitrosopiperidine	770.	U	770.	U	890.	U	910.	U	760.	U	790.	U
78-59-1	Isophorone	710.	U	710.	U	820.	U	840.	U	690.	U	730.	U
88-75-5	2-Nitrophenol	650.	U	650.	U	750.	U	760.	U	630.	U	660.	U
105-67-9	2,4-Dimethylphenol	640.	U	640.	U	730.	U	750.	U	620.	U	650.	U
108-70-3	1,3,5-Trichlorobenzene	640.	U	640.	U	730.	U	750.	U	620.	U	650.	U
98-87-3	Benzal chloride	550.	U	550.	U	640.	U	650.	U	540.	U	570.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------>	508-S-B004-02	508-S-B005-01	508-S-B006-01	508-C-B006-01	508-S-B007-01	508-S-B008-01
	ORIGINAL ID ----->	508SB00402	508SB00501	508SB00601	508CB00601	508SB00701	508SB00801
	LAB SAMPLE ID --->	692043	692011	692037	692240	736390	736397
	ID FROM REPORT -->	508SB00402	508SB00501	508SB00601	508CB00601	508SB00701	508SB00801
	SAMPLE DATE ----->	03/21/95	03/21/95	03/21/95	03/21/95	06/27/95	06/27/95
	DATE EXTRACTED -->	03/24/95	03/24/95	03/24/95	03/25/95	06/30/95	06/30/95
	DATE ANALYZED --->	03/25/95	03/25/95	03/25/95	03/26/95	07/20/95	07/20/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ----------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0002S	VAL	0002S	VAL	0002S	VAL	0003S	VAL	0021S	VAL	0021S	VAL
126-68-1	O,O,O-Triethylphosphorothioate	5500.	U	5500.	U	6400.	U	6500.	U	5400.	U	5700.	U
65-85-0	Benzoic acid	2000.	UJ	2000.	UJ	2300.	UJ	2300.	UJ	1900.	U	2000.	U
111-91-1	bis(2-Chloroethoxy)methane	700.	U	700.	U	810.	U	820.	U	680.	U	720.	U
120-83-2	2,4-Dichlorophenol	570.	U	580.	U	660.	U	680.	U	560.	U	590.	U
120-82-1	1,2,4-Trichlorobenzene	570.	U	580.	U	660.	U	680.	U	560.	U	590.	U
91-20-3	Naphthalene	690.	U	690.	U	790.	U	810.	U	670.	U	710.	U
106-47-8	4-Chloroaniline	720.	U	720.	U	830.	U	850.	U	700.	U	740.	U
87-65-0	2,6-Dichlorophenol	1300.	U	1300.	U	1400.	U	1500.	U	1200.	U	1300.	U
1888-71-7	Hexachloropropene	590.	U	600.	U	690.	U	700.	U	580.	U	610.	U
87-68-3	Hexachlorobutadiene	580.	U	590.	U	670.	U	690.	U	570.	U	600.	U
87-61-6	1,2,3-Trichlorobenzene	630.	U	630.	U	720.	U	740.	U	610.	U	640.	U
98-07-7	Benzotrichloride	650.	U	650.	U	750.	U	760.	U	630.	U	660.	U
924-16-3	N-Nitroso-di-n-butylamine	1500.	U	1500.	U	1700.	U	1700.	U	1400.	U	1500.	U
59-50-7	4-Chloro-3-methylphenol	780.	U	780.	U	900.	U	920.	U	770.	U	800.	U
94-59-7	Safrole	600.	U	610.	U	700.	U	710.	U	590.	U	620.	U
91-57-6	2-Methylnaphthalene	880.	U	880.	U	1000.	U	1000.	U	860.	U	900.	U
90-12-0	1-Methyl naphthalene	1100.	U	1200.	U	1300.	U	1400.	U	1100.	U	1200.	U
77-47-4	Hexachlorocyclopentadiene	690.	U	690.	U	790.	U	810.	U	670.	U	710.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	1400.	U	1400.	U	1600.	U	1600.	U	1300.	U	1400.	U
634-90-2	1,2,3,5-Tetrachlorobenzene	1400.	U	1400.	U	1600.	U	1600.	U	1300.	U	1400.	U
88-06-2	2,4,6-Trichlorophenol	1400.	U	1400.	U	1600.	U	1600.	U	1300.	U	1400.	U
95-95-4	2,4,5-Trichlorophenol	1400.	U	1400.	U	1600.	U	1600.	U	1300.	U	1400.	U
120-58-1	Isosafrole	1400.	U	1400.	U	1600.	U	1600.	U	1300.	U	1400.	U
634-66-2	1,2,3,4-Tetrachlorobenzene	670.	U	670.	U	770.	U	790.	U	650.	U	690.	U
91-58-7	2-Chloronaphthalene	1000.	U	1000.	U	1200.	U	1200.	U	990.	U	1000.	U
90-13-1	1-Chloronaphthalene	1300.	U	1300.	U	1400.	U	1500.	U	1200.	U	1300.	U
88-74-4	2-Nitroaniline	1100.	U	1200.	U	1300.	U	1400.	U	1100.	U	1200.	U
130-15-4	1,4-Naphthoquinone	1700.	U	1700.	U	1900.	U	2000.	U	1600.	U	1700.	U
131-11-3	Dimethyl phthalate	1000.	U	1000.	U	1200.	U	1200.	U	990.	U	1000.	U
99-65-0	1,3-Dinitrobenzene	580.	U	590.	U	670.	U	690.	U	570.	U	600.	U
606-20-2	2,6-Dinitrotoluene	780.	U	780.	U	900.	U	920.	U	770.	U	800.	U
208-96-8	Acenaphthylene	700.	U	700.	U	63.	J	140.	J	680.	U	53.	J
99-09-2	3-Nitroaniline	720.	U	720.	U	830.	U	850.	U	700.	U	740.	U
83-32-9	Acenaphthene	690.	U	690.	U	790.	U	810.	U	670.	U	710.	U
51-28-5	2,4-Dinitrophenol	1800.	UJ	1800.	UJ	2000.	UJ	2100.	UJ	1700.	U	1800.	U
100-02-7	4-Nitrophenol	4700.	UJ	4700.	UJ	5400.	UJ	5500.	U	4600.	U	4800.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	508-S-B004-02	508-S-B005-01	508-S-B006-01	508-C-B006-01	508-S-B007-01	508-S-B008-01
	ORIGINAL ID ----->	508SB00402	508SB00501	508SB00601	508CB00601	508SB00701	508SB00801
	LAB SAMPLE ID --->	692043	692011	692037	692240	736390	736397
	ID FROM REPORT -->	508SB00402	508SB00501	508SB00601	508CB00601	508SB00701	508SB00801
	SAMPLE DATE ----->	03/21/95	03/21/95	03/21/95	03/21/95	06/27/95	06/27/95
	DATE EXTRACTED -->	03/24/95	03/24/95	03/24/95	03/25/95	06/30/95	06/30/95
	DATE ANALYZED --->	03/25/95	03/25/95	03/25/95	03/26/95	07/20/95	07/20/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0002S	VAL	0002S	VAL	0002S	VAL	0003S	VAL	0021S	VAL	0021S	VAL
608-93-5	Pentachlorobenzene	690.	U	690.	U	790.	U	810.	U	670.	U	710.	U
121-14-2	2,4-Dinitrotoluene	690.	U	690.	U	790.	U	810.	U	670.	U	710.	U
132-64-9	Dibenzofuran	720.	U	720.	U	830.	U	850.	U	700.	U	740.	U
91-59-8	2-Naphthylamine	900.	U	900.	U	1000.	U	1100.	U	880.	U	920.	U
58-90-2	2,3,4,6-Tetrachlorophenol	1500.	U	1500.	U	1700.	U	1700.	U	1400.	U	1500.	U
134-32-7	1-Naphthylamine	1500.	U	1500.	U	1700.	U	1700.	U	1400.	U	1500.	U
84-66-2	Diethylphthalate	750.	U	750.	U	870.	U	890.	U	730.	U	770.	U
297-97-2	Thionazin	700.	U	700.	U	810.	U	820.	U	680.	U	720.	U
7005-72-3	4-Chlorophenylphenylether	630.	U	630.	U	720.	U	740.	U	610.	U	640.	U
99-55-8	5-Nitro-o-toluidine	1000.	U	1000.	U	1200.	U	1200.	UJ	1000.	U	1100.	U
86-73-7	Fluorene	720.	U	720.	U	830.	U	850.	U	700.	U	740.	U
100-01-6	4-Nitroaniline	1100.	U	1200.	U	1300.	U	1400.	UJ	1100.	U	1200.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	1900.	U	1900.	U	2200.	U	2200.	U	1800.	U	1900.	U
86-30-6	N-Nitrosodiphenylamine	1500.	U	1500.	U	1700.	U	1700.	U	1400.	U	1500.	U
122-39-4	Diphenylamine	1500.	U	1500.	U	1700.	U	1700.	U	1400.	U	1500.	U
122-66-7	Hydrazine, 1,2-diphenyl	720.	U	720.	U	830.	U	850.	U	700.	U	740.	U
99-35-4	1,3,5-Trinitrobenzene	950.	U	950.	U	1100.	U	1100.	U	930.	U	980.	U
2303-16-4	Diallate	690.	U	690.	U	790.	U	810.	U	670.	U	710.	U
62-44-2	Phenacetin	640.	U	640.	U	730.	U	750.	U	620.	U	650.	U
101-55-3	4-Bromophenyl-phenylether	780.	U	780.	U	900.	U	920.	U	770.	U	800.	U
118-74-1	Hexachlorobenzene	800.	U	810.	U	930.	U	950.	U	790.	U	830.	U
60-51-5	Dimethoate	690.	U	690.	U	790.	U	810.	U	670.	U	710.	U
92-67-1	4-Aminobiphenyl	430.	U	430.	U	490.	U	500.	U	420.	U	440.	U
87-86-5	Pentachlorophenol	1500.	U	1500.	U	1700.	U	1700.	U	1400.	U	1500.	U
23950-58-5	Pronamide	680.	U	680.	U	780.	U	800.	U	660.	U	700.	U
82-68-8	Pentachloronitrobenzene	670.	U	670.	U	770.	U	790.	U	650.	U	690.	U
85-01-8	Phenanthrene	650.	U	650.	U	230.	J	260.	J	630.	U	660.	U
120-12-7	Anthracene	770.	U	770.	U	50.	J	50.	J	760.	U	43.	J
84-74-2	Di-n-butylphthalate	800.	U	810.	U	930.	U	950.	U	790.	U	830.	U
56-57-5	4-Nitroquinoline 1-oxide	5000.	UR	5000.	UR	5800.	UR	5900.	UR	4900.	UR	5100.	UR
91-80-5	Methapyrilene	1400.	UJ	1400.	UJ	1600.	UJ	1600.	U	1300.	U	1400.	U
6055-19-2	Cyclophosphamide Hydrate	660.	UR	660.	UR	760.	UR	780.	UR	640.	UR	680.	UR
465-73-6	Isodrin	960.	U	960.	U	1100.	U	1100.	U	940.	U	990.	U
206-44-0	Fluoranthene	960.	U	120.	J	860.	J	1100.		91.	J	460.	J
92-87-5	Benzidine	1700.	UJ	1700.	UJ	1900.	UJ	2000.	U	1600.	U	1700.	U
129-00-0	Pyrene	760.	U	120.	J	810.	J	1000.		150.	J	320.	J

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	508-S-B004-02		508-S-B005-01		508-S-B006-01		508-C-B006-01		508-S-B007-01		508-S-B008-01	
	ORIGINAL ID ----->	508SB00402		508SB00501		508SB00601		508CB00601		508SB00701		508SB00801	
	LAB SAMPLE ID --->	692043		692011		692037		692240		736390		736397	
	ID FROM REPORT -->	508SB00402		508SB00501		508SB00601		508CB00601		508SB00701		508SB00801	
	SAMPLE DATE ----->	03/21/95		03/21/95		03/21/95		03/21/95		06/27/95		06/27/95	
	DATE EXTRACTED -->	03/24/95		03/24/95		03/24/95		03/25/95		06/30/95		06/30/95	
	DATE ANALYZED --->	03/25/95		03/25/95		03/25/95		03/26/95		07/20/95		07/20/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0002S	VAL	0002S	VAL	0002S	VAL	0003S	VAL	0021S	VAL	0021S	VAL
140-57-8	Aramite	690.	U	690.	U	790.	U	810.	U	670.	U	710.	U
60-11-7	p-(Dimethylamino)azobenzene	700.	U	700.	U	810.	U	820.	U	680.	U	720.	U
510-15-6	Chlorobenzilate	740.	U	740.	U	850.	U	870.	U	720.	U	760.	U
52-85-7	Famphur	2100.	U	2100.	U	2400.	U	2500.	U	2000.	UJ	2100.	UJ
85-68-7	Butylbenzylphthalate	710.	U	710.	U	820.	U	840.	U	690.	U	730.	U
119-93-7	3,3-Dimethylbenzidine	1000.	U	1000.	U	1200.	U	1200.	U	990.	U	1000.	U
53-96-3	Acetamidofluorene	740.	U	740.	U	850.	U	870.	U	720.	U	760.	U
119-90-4	3,3'-Dimethoxybenzidine	1000.	U	1000.	U	1200.	U	1200.	UJ	990.	U	1000.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	780.	U	72.	J	900.	U	76.	J	98.	J	160.	J
101-14-4	Benzenamine, 4,4'-methylenebis[2chloro-	470.	U	470.	U	540.	U	550.	U	460.	U	480.	U
91-94-1	3,3'-Dichlorobenzidine	520.	U	520.	U	600.	U	620.	U	510.	U	540.	U
56-55-3	Benzo(a)anthracene	690.	U	72.	J	600.	J	1000.		670.	U	240.	J
218-01-9	Chrysene	560.	U	80.	J	600.	J	1000.		550.	U	410.	J
117-84-0	Di-n-octyl phthalate	500.	U	500.	U	580.	U	590.	U	490.	U	510.	U
57-97-6	7,12-Dimethylbenz(a)anthracene	430.	U	430.	U	490.	U	500.	U	420.	U	440.	U
205-99-2	Benzo(b)fluoranthene	800.	U	150.	J	1200.		1600.	J	790.	U	460.	J
207-08-9	Benzo(k)fluoranthene	650.	U	160.	J	1300.		1500.	J	630.	U	140.	J
50-32-8	Benzo(a)pyrene	690.	U	89.	J	750.	J	960.		670.	U	220.	J
56-49-5	3-Methyl cholanthrene	640.	U	640.	U	730.	U	750.	U	620.	U	650.	U
224-42-0	Dibenz(a,j)acridine	430.	U	430.	U	490.	U	500.	U	420.	U	440.	U
193-39-5	Indeno(1,2,3-cd)pyrene	480.	U	37.	J	280.	J	380.	J	470.	U	120.	J
53-70-3	Dibenz(a,h)anthracene	450.	U	450.	U	85.	J	96.	J	440.	U	460.	U
191-24-2	Benzo(g,h,i)perylene	650.	U	41.	J	310.	J	390.	J	630.	U	150.	J
108-60-1	2,2'-oxybis(1-Chloropropane)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	508-S-B009-01	510-S-B001-01	510-S-B001-02	510-S-B002-01	510-S-B002-02	510-S-B003-01
	ORIGINAL ID ----->	508SB00901	510SB00101	510SB00102	510SB00201	510SB00202	510SB00301
	LAB SAMPLE ID --->	736400	690157	690162	690191	690152	704420
	ID FROM REPORT -->	508SB00901	510SB00101	510SB00102	510SB00201	510SB00202	510SB00301
	SAMPLE DATE ----->	06/27/95	03/14/95	03/14/95	03/14/95	03/14/95	04/18/95
	DATE EXTRACTED -->	06/30/95	03/18/95	03/18/95	03/18/95	03/18/95	04/26/95
	DATE ANALYZED --->	07/20/95	03/20/95	03/20/95	03/23/95	03/20/95	04/26/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0021S	VAL	0001S	VAL	0001S	VAL	0001S	VAL	0001S	VAL	0015S	VAL
62-75-9	N-Nitrosodimethylamine	700.	U	700.	U	700.	U	710.	U	700.	U	720.	U
110-86-1	Pyridine	580.	U	590.	U	580.	U	590.	U	580.	U	600.	U
123-63-7	Paraldehyde	380.	U	380.	U	380.	U	390.	U	380.	U	390.	U
97-63-2	Ethyl methacrylate	620.	U	630.	U	620.	U	640.	U	620.	U	640.	U
109-06-8	2-Picoline	1300.	U	1300.	U	1300.	U	1300.	U	1300.	U	1300.	U
10595-95-6	N-Nitrosomethylethylamine	570.	U	570.	U	570.	U	580.	U	570.	U	580.	U
66-27-3	Methyl methanesulfonate	740.	U	750.	U	740.	U	760.	U	740.	U	760.	U
55-18-5	N-Nitrosodiethylamine	630.	U	640.	U	630.	U	650.	U	630.	U	650.	U
62-50-0	Ethyl methanesulfonate	630.	U	640.	U	630.	U	650.	U	630.	U	650.	U
108-95-2	Phenol	600.	U	610.	U	600.	U	620.	U	600.	U	620.	U
62-53-3	Aniline	590.	U	600.	U	590.	U	600.	U	590.	U	610.	U
111-44-4	bis(2-Chloroethyl)ether	620.	U	630.	U	620.	U	640.	U	620.	U	640.	U
76-01-7	Pentachloroethane	870.	U	880.	U	880.	U	900.	U	880.	U	900.	U
95-57-8	2-Chlorophenol	660.	U	670.	U	670.	U	680.	U	670.	U	680.	U
541-73-1	1,3-Dichlorobenzene	540.	U	540.	U	540.	U	550.	U	540.	U	550.	U
100-44-7	Benzyl chloride	610.	U	620.	U	610.	U	630.	U	610.	U	630.	UJ
106-46-7	1,4-Dichlorobenzene	550.	U	550.	U	550.	U	560.	U	550.	U	560.	U
100-51-6	Benzyl alcohol	580.	U	590.	U	580.	U	590.	U	580.	U	600.	U
95-50-1	1,2-Dichlorobenzene	620.	U	630.	U	620.	U	640.	U	620.	U	640.	U
95-48-7	2-Methylphenol (o-Cresol)	680.	U	690.	U	690.	U	700.	U	690.	U	700.	U
39638-32-9	Bis(2-Chloroisopropyl)Ether	680.	U	690.	U	690.	U	700.	U	690.	U	700.	U
108-39-4	3-Methylphenol (m-Cresol)	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U
106-44-5	4-Methylphenol (p-Cresol)	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U
930-55-2	N-Nitrosopyrrolidine	560.	U	560.	U	560.	U	570.	U	560.	U	570.	U
621-64-7	N-Nitroso-di-n-propylamine	640.	U	650.	U	640.	U	660.	U	640.	U	660.	U
98-86-2	Acetophenone	700.	U	700.	U	700.	U	710.	U	700.	U	720.	U
59-89-2	N-Nitrosomorpholine	790.	U	800.	U	790.	U	810.	U	790.	U	810.	U
636-21-5	o-Toluidine hydrochloride	2100.	U	2100.	U	2100.	U	2200.	U	2100.	U	2200.	U
67-72-1	Hexachloroethane	630.	U	640.	U	630.	U	650.	U	630.	U	650.	U
98-95-3	Nitrobenzene	720.	U	720.	U	720.	U	730.	U	720.	U	740.	U
100-75-4	N-Nitrosopiperidine	780.	U	790.	U	780.	U	800.	U	780.	U	800.	U
78-59-1	Isophorone	720.	U	720.	U	720.	U	730.	U	720.	U	740.	U
88-75-5	2-Nitrophenol	650.	U	660.	U	660.	U	670.	U	660.	U	670.	U
105-67-9	2,4-Dimethylphenol	640.	U	650.	U	640.	U	660.	U	640.	U	660.	U
108-70-3	1,3,5-Trichlorobenzene	640.	U	650.	U	640.	U	660.	U	640.	U	660.	U
98-87-3	Benzal chloride	560.	U	560.	U	560.	U	570.	U	560.	U	570.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	508-S-B009-01		510-S-B001-01		510-S-B001-02		510-S-B002-01		510-S-B002-02		510-S-B003-01	
	ORIGINAL ID ----->	508SB00901		510SB00101		510SB00102		510SB00201		510SB00202		510SB00301	
	LAB SAMPLE ID --->	736400		690157		690162		690191		690152		704420	
	ID FROM REPORT -->	508SB00901		510SB00101		510SB00102		510SB00201		510SB00202		510SB00301	
	SAMPLE DATE ----->	06/27/95		03/14/95		03/14/95		03/14/95		03/14/95		04/18/95	
	DATE EXTRACTED -->	06/30/95		03/18/95		03/18/95		03/18/95		03/18/95		04/26/95	
	DATE ANALYZED --->	07/20/95		03/20/95		03/20/95		03/23/95		03/20/95		04/26/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0021S	VAL	0001S	VAL	0001S	VAL	0001S	VAL	0001S	VAL	0015S	VAL
126-68-1	O,O,O-Triethylphosphorothioate	5600.	U	5600.	U	5600.	U	5700.	U	5600.	U	5700.	U
65-85-0	Benzoic acid	2000.	U	2000.	UR	2000.	UR	2100.	UR	2000.	UR	2100.	UR
111-91-1	bis(2-Chloroethoxy)methane	710.	U	710.	U	710.	U	720.	U	710.	U	730.	U
120-83-2	2,4-Dichlorophenol	580.	U	590.	U	580.	U	590.	U	580.	U	600.	U
120-82-1	1,2,4-Trichlorobenzene	580.	U	590.	U	580.	U	590.	U	580.	U	600.	U
91-20-3	Naphthalene	700.	U	700.	U	700.	U	710.	U	700.	U	720.	U
106-47-8	4-Chloroaniline	730.	U	730.	U	730.	U	740.	U	730.	U	750.	U
87-65-0	2,6-Dichlorophenol	1300.	U	1300.	U	1300.	U	1300.	U	1300.	U	1300.	U
1888-71-7	Hexachloropropene	600.	U	610.	U	600.	U	620.	U	600.	U	620.	U
87-68-3	Hexachlorobutadiene	590.	U	600.	U	590.	U	600.	U	590.	U	610.	U
87-61-6	1,2,3-Trichlorobenzene	630.	U	640.	U	630.	U	650.	U	630.	U	650.	U
98-07-7	Benzotrichloride	650.	U	660.	U	660.	U	670.	U	660.	U	670.	U
924-16-3	N-Nitroso-di-n-butylamine	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U
59-50-7	4-Chloro-3-methylphenol	790.	U	800.	U	790.	U	810.	U	790.	U	810.	U
94-59-7	Safrole	610.	U	620.	U	610.	U	630.	U	610.	U	630.	U
91-57-6	2-Methylnaphthalene	880.	U	890.	U	890.	U	910.	U	890.	U	910.	U
90-12-0	1-Methyl naphthalene	1200.	U	1200.	U	1200.	U	1200.	U	1200.	U	1200.	U
77-47-4	Hexachlorocyclopentadiene	700.	U	700.	U	700.	U	710.	U	700.	U	720.	UJ
95-94-3	1,2,4,5-Tetrachlorobenzene	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U
634-90-2	1,2,3,5-Tetrachlorobenzene	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U
88-06-2	2,4,6-Trichlorophenol	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U
95-95-4	2,4,5-Trichlorophenol	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U
120-58-1	Isosafrole	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U
634-66-2	1,2,3,4-Tetrachlorobenzene	670.	U	680.	U	680.	U	690.	U	680.	U	690.	U
91-58-7	2-Chloronaphthalene	1000.	U	1000.	U	1000.	U	1000.	U	1000.	U	1100.	U
90-13-1	1-Chloronaphthalene	1300.	U	1300.	U	1300.	U	1300.	U	1300.	U	1300.	U
88-74-4	2-Nitroaniline	1200.	U	1200.	U	1200.	U	1200.	U	1200.	U	1200.	U
130-15-4	1,4-Naphthoquinone	1700.	U	1700.	U	1700.	U	1700.	U	1700.	U	1700.	U
131-11-3	Dimethyl phthalate	1000.	U	1000.	U	1000.	U	1000.	U	1000.	U	1100.	U
99-65-0	1,3-Dinitrobenzene	590.	U	600.	U	590.	U	600.	U	590.	U	610.	U
606-20-2	2,6-Dinitrotoluene	790.	U	800.	U	790.	U	810.	U	790.	U	810.	U
208-96-8	Acenaphthylene	710.	U	710.	U	710.	U	720.	U	710.	U	730.	U
99-09-2	3-Nitroaniline	730.	U	730.	U	730.	U	740.	U	730.	U	750.	U
83-32-9	Acenaphthene	700.	U	700.	U	700.	U	710.	U	700.	U	720.	U
51-28-5	2,4-Dinitrophenol	1800.	U	1800.	U	1800.	U	1800.	U	1800.	U	1800.	U
100-02-7	4-Nitrophenol	4700.	U	4800.	UJ	4800.	UJ	4900.	UJ	4800.	UJ	4900.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	508-S-B009-01	510-S-B001-01	510-S-B001-02	510-S-B002-01	510-S-B002-02	510-S-B003-01
	ORIGINAL ID ----->	508SB00901	510SB00101	510SB00102	510SB00201	510SB00202	510SB00301
	LAB SAMPLE ID --->	736400	690157	690162	690191	690152	704420
	ID FROM REPORT -->	508SB00901	510SB00101	510SB00102	510SB00201	510SB00202	510SB00301
	SAMPLE DATE ----->	06/27/95	03/14/95	03/14/95	03/14/95	03/14/95	04/18/95
	DATE EXTRACTED -->	06/30/95	03/18/95	03/18/95	03/18/95	03/18/95	04/26/95
	DATE ANALYZED --->	07/20/95	03/20/95	03/20/95	03/23/95	03/20/95	04/26/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ----------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0021S	VAL	0001S	VAL	0001S	VAL	0001S	VAL	0001S	VAL	0015S	VAL
608-93-5	Pentachlorobenzene	700.	U	700.	U	700.	U	710.	U	700.	U	720.	U
121-14-2	2,4-Dinitrotoluene	700.	U	700.	U	700.	U	710.	U	700.	U	720.	U
132-64-9	Dibenzofuran	730.	U	730.	U	730.	U	740.	U	730.	U	750.	U
91-59-8	2-Naphthylamine	910.	U	920.	U	910.	U	930.	U	910.	U	930.	U
58-90-2	2,3,4,6-Tetrachlorophenol	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U
134-32-7	1-Naphthylamine	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U
84-66-2	Diethylphthalate	760.	U	770.	U	760.	U	780.	U	760.	U	780.	U
297-97-2	Thionazin	710.	U	710.	U	710.	U	720.	U	710.	U	730.	U
7005-72-3	4-Chlorophenylphenylether	630.	U	640.	U	630.	U	650.	U	630.	U	650.	UJ
99-55-8	5-Nitro-o-toluidine	1100.	U	1100.	UJ	1100.	UJ	1100.	UJ	1100.	UJ	1100.	U
86-73-7	Fluorene	730.	U	730.	U	730.	U	740.	U	730.	U	750.	U
100-01-6	4-Nitroaniline	1200.	U	1200.	UJ	1200.	UJ	1200.	UJ	1200.	UJ	1200.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	1900.	U	1900.	U	1900.	U	1900.	U	1900.	U	2000.	U
86-30-6	N-Nitrosodiphenylamine	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U
122-39-4	Diphenylamine	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U
122-66-7	Hydrazine, 1,2-diphenyl	730.	U	730.	U	730.	U	740.	U	730.	U	750.	U
99-35-4	1,3,5-Trinitrobenzene	960.	U	970.	U	960.	U	980.	U	960.	U	990.	U
2303-16-4	Diallate	700.	U	700.	U	700.	U	710.	U	700.	U	720.	U
62-44-2	Phenacetin	640.	U	650.	U	640.	U	660.	U	640.	U	660.	U
101-55-3	4-Bromophenyl-phenylether	790.	U	800.	U	790.	U	810.	U	790.	U	810.	U
118-74-1	Hexachlorobenzene	810.	U	820.	U	810.	U	830.	U	810.	U	830.	U
60-51-5	Dimethoate	700.	U	700.	U	700.	U	710.	U	700.	U	720.	U
92-67-1	4-Aminobiphenyl	430.	U	440.	U	430.	U	440.	U	430.	U	440.	U
87-86-5	Pentachlorophenol	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U
23950-58-5	Pronamide	680.	U	690.	U	690.	U	700.	U	690.	U	700.	U
82-68-8	Pentachloronitrobenzene	670.	U	680.	U	680.	U	690.	U	680.	U	690.	U
85-01-8	Phenanthrene	650.	U	660.	U	660.	U	670.	U	660.	U	59.	J
120-12-7	Anthracene	780.	U	790.	U	780.	U	800.	U	780.	U	800.	U
84-74-2	Di-n-butylphthalate	810.	U	820.	U	810.	U	830.	U	810.	U	830.	U
56-57-5	4-Nitroquinoline 1-oxide	5100.	UR	5100.	UR	5100.	UR	5200.	UR	5100.	UR	5200.	UR
91-80-5	Methapyrilene	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U
6055-19-2	Cyclophosphamide Hydrate	660.	UR	670.	UR	670.	UR	680.	UR	670.	UR	680.	U
465-73-6	Isodrin	970.	U	980.	U	970.	U	990.	U	970.	U	1000.	U
206-44-0	Fluoranthene	970.	U	280.	J	970.	U	990.	U	970.	U	110.	J
92-87-5	Benzidine	1700.	U	1700.	U	1700.	U	1700.	U	1700.	U	1700.	U
129-00-0	Pyrene	770.	U	170.	J	770.	U	790.	U	770.	U	94.	J

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	508-S-B009-01	510-S-B001-01	510-S-B001-02	510-S-B002-01	510-S-B002-02	510-S-B003-01
	ORIGINAL ID ----->	508SB00901	510SB00101	510SB00102	510SB00201	510SB00202	510SB00301
	LAB SAMPLE ID --->	736400	690157	690162	690191	690152	704420
	ID FROM REPORT -->	508SB00901	510SB00101	510SB00102	510SB00201	510SB00202	510SB00301
	SAMPLE DATE ----->	06/27/95	03/14/95	03/14/95	03/14/95	03/14/95	04/18/95
	DATE EXTRACTED -->	06/30/95	03/18/95	03/18/95	03/18/95	03/18/95	04/26/95
	DATE ANALYZED --->	07/20/95	03/20/95	03/20/95	03/23/95	03/20/95	04/26/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0021S	VAL	0001S	VAL	0001S	VAL	0001S	VAL	0001S	VAL	0015S	VAL
140-57-8	Aramite	700.	U	700.	U	700.	U	710.	U	700.	U	720.	U
60-11-7	p-(Dimethylamino)azobenzene	710.	U	710.	U	710.	U	720.	U	710.	U	730.	U
510-15-6	Chlorobenzilate	750.	U	760.	U	750.	U	770.	U	750.	U	770.	U
52-85-7	Famphur	2100.	UJ	2100.	UJ	2100.	UJ	2200.	UJ	2100.	UJ	2200.	UR
85-68-7	Butylbenzylphthalate	720.	U	720.	U	720.	U	730.	U	720.	U	740.	U
119-93-7	3,3-Dimethylbenzidine	1000.	U	1000.	U	1000.	U	1000.	U	1000.	U	1100.	U
53-96-3	Acetamidofluorene	750.	U	760.	U	750.	U	770.	U	750.	U	770.	U
119-90-4	3,3'-Dimethoxybenzidine	1000.	U	1000.	U	1000.	U	1000.	U	1000.	U	1100.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	96.	J	800.	U	790.	U	810.	U	790.	U	810.	U
101-14-4	Benzenamine, 4,4'-methylenebis[2chloro-	470.	U	480.	U	480.	U	490.	U	480.	U	490.	U
91-94-1	3,3'-Dichlorobenzidine	530.	U	530.	U	530.	U	540.	U	530.	U	540.	U
56-55-3	Benzo(a)anthracene	700.	U	160.	J	700.	U	710.	U	700.	U	60.	J
218-01-9	Chrysene	570.	U	240.	J	570.	U	580.	U	570.	U	50.	J
117-84-0	Di-n-octyl phthalate	510.	U	510.	U	510.	U	520.	U	510.	U	520.	U
57-97-6	7,12-Dimethylbenz(a)anthracene	430.	U	440.	U	430.	U	440.	U	430.	U	440.	U
205-99-2	Benzo(b)fluoranthene	810.	U	470.	J	810.	U	830.	U	810.	U	830.	U
207-08-9	Benzo(k)fluoranthene	650.	U	480.	J	660.	U	670.	U	660.	U	670.	U
50-32-8	Benzo(a)pyrene	700.	U	190.	J	700.	U	710.	U	700.	U	720.	U
56-49-5	3-Methyl cholanthrene	640.	U	650.	U	640.	U	660.	U	640.	U	660.	U
224-42-0	Dibenz(a,j)acridine	430.	U	440.	U	430.	U	440.	U	430.	U	440.	U
193-39-5	Indeno(1,2,3-cd)pyrene	480.	U	89.	J	490.	U	500.	U	490.	U	500.	U
53-70-3	Dibenz(a,h)anthracene	450.	U	460.	U	450.	U	460.	U	450.	U	470.	U
191-24-2	Benzo(g,h,i)perylene	650.	U	90.	J	660.	U	670.	U	660.	U	670.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------>	510-S-B003-02	510-S-B004-01	510-S-B004-02	510-S-B005-01	510-S-B005-02	510-C-B005-02
	ORIGINAL ID ----->	510SB00302	510SB00401	510SB00402	510SB00501	510SB00502	510CB00502
	LAB SAMPLE ID --->	704441	704396	704413	690141	690147	690167
	ID FROM REPORT -->	510SB00302	510SB00401	510SB00402	510SB00501	510SB00502	510CB00502
	SAMPLE DATE ----->	04/18/95	04/18/95	04/18/95	03/14/95	03/14/95	03/14/95
	DATE EXTRACTED -->	04/26/95	04/26/95	04/26/95	03/18/95	03/18/95	03/18/95
	DATE ANALYZED --->	04/26/95	04/26/95	04/26/95	03/23/95	03/20/95	03/20/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ----------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0015S	VAL	0015S	VAL	0015S	VAL	0001S	VAL	0001S	VAL	0001S	VAL
62-75-9	N-Nitrosodimethylamine	660.	U	700.	U	700.	U	720.	U	700.	U	700.	U
110-86-1	Pyridine	550.	U	590.	U	580.	U	600.	U	580.	U	580.	U
123-63-7	Paraldehyde	360.	U	380.	U	380.	U	390.	U	380.	U	380.	U
97-63-2	Ethyl methacrylate	590.	U	630.	U	620.	U	640.	U	620.	U	620.	U
109-06-8	2-Picoline	1200.	U	1300.	U	1300.	U	1300.	U	1300.	U	1300.	U
10595-95-6	N-Nitrosomethylethylamine	540.	U	580.	U	570.	U	580.	U	570.	U	570.	U
66-27-3	Methyl methanesulfonate	700.	U	750.	U	740.	U	760.	U	740.	U	740.	U
55-18-5	N-Nitrosodiethylamine	600.	U	640.	U	630.	U	650.	U	630.	U	630.	U
62-50-0	Ethyl methanesulfonate	600.	U	640.	U	630.	U	650.	U	630.	U	630.	U
108-95-2	Phenol	570.	U	610.	U	600.	U	620.	U	600.	U	600.	U
62-53-3	Aniline	560.	U	600.	U	590.	U	610.	U	590.	U	590.	U
111-44-4	bis(2-Chloroethyl)ether	590.	U	630.	U	620.	U	640.	U	620.	U	620.	U
76-01-7	Pentachloroethane	820.	U	890.	U	880.	U	900.	U	880.	U	880.	U
95-57-8	2-Chlorophenol	630.	U	670.	U	670.	U	680.	U	670.	U	670.	U
541-73-1	1,3-Dichlorobenzene	510.	U	540.	U	540.	U	550.	U	540.	U	540.	U
100-44-7	Benzyl chloride	580.	UJ	620.	UJ	610.	UJ	630.	U	610.	U	610.	U
106-46-7	1,4-Dichlorobenzene	520.	U	560.	U	550.	U	560.	U	550.	U	550.	U
100-51-6	Benzyl alcohol	550.	U	590.	U	580.	U	600.	U	580.	U	580.	U
95-50-1	1,2-Dichlorobenzene	590.	U	630.	U	620.	U	640.	U	620.	U	620.	U
95-48-7	2-Methylphenol (o-Cresol)	650.	U	690.	U	690.	U	700.	U	690.	U	690.	U
39638-32-9	Bis(2-Chloroisopropyl)Ether	650.	U	690.	U	690.	U	700.	U	690.	U	690.	U
108-39-4	3-Methylphenol (m-Cresol)	1300.	U	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U
106-44-5	4-Methylphenol (p-Cresol)	1300.	U	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U
930-55-2	N-Nitrosopyrrolidine	530.	U	570.	U	560.	U	570.	U	560.	U	560.	U
621-64-7	N-Nitroso-di-n-propylamine	610.	U	650.	U	640.	U	660.	U	640.	U	640.	U
98-86-2	Acetophenone	660.	U	700.	U	700.	U	720.	U	700.	U	700.	U
59-89-2	N-Nitrosomorpholine	740.	U	800.	U	790.	U	810.	U	790.	U	790.	U
636-21-5	o-Toluidine hydrochloride	2000.	U	2100.	U	2100.	U	2200.	U	2100.	U	2100.	U
67-72-1	Hexachloroethane	600.	U	640.	U	630.	U	650.	U	630.	U	630.	U
98-95-3	Nitrobenzene	680.	U	730.	U	720.	U	740.	U	720.	U	720.	U
100-75-4	N-Nitrosopiperidine	740.	U	790.	U	780.	U	800.	U	780.	U	780.	U
78-59-1	Isophorone	680.	U	730.	U	720.	U	740.	U	720.	U	720.	U
88-75-5	2-Nitrophenol	620.	U	660.	U	660.	U	670.	U	660.	U	660.	U
105-67-9	2,4-Dimethylphenol	610.	U	650.	U	640.	U	660.	U	640.	U	640.	U
108-70-3	1,3,5-Trichlorobenzene	610.	U	650.	U	640.	U	660.	U	640.	U	640.	U
98-87-3	Benzal chloride	530.	U	570.	U	560.	U	570.	U	560.	U	560.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	510-S-B003-02		510-S-B004-01		510-S-B004-02		510-S-B005-01		510-S-B005-02		510-C-B005-02	
	ORIGINAL ID ----->	510SB00302		510SB00401		510SB00402		510SB00501		510SB00502		510CB00502	
	LAB SAMPLE ID --->	704441		704396		704413		690141		690147		690167	
	ID FROM REPORT -->	510SB00302		510SB00401		510SB00402		510SB00501		510SB00502		510CB00502	
	SAMPLE DATE ----->	04/18/95		04/18/95		04/18/95		03/14/95		03/14/95		03/14/95	
	DATE EXTRACTED -->	04/26/95		04/26/95		04/26/95		03/18/95		03/18/95		03/18/95	
	DATE ANALYZED --->	04/26/95		04/26/95		04/26/95		03/23/95		03/20/95		03/20/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0015S	VAL	0015S	VAL	0015S	VAL	0001S	VAL	0001S	VAL	0001S	VAL
126-68-1	O,O,O-Triethylphosphorothioate	5300.	U	5700.	U	5600.	U	5700.	U	5600.	U	5600.	U
65-85-0	Benzoic acid	1900.	UR	2000.	UR	2000.	UR	2100.	UR	2000.	UR	2000.	U
111-91-1	bis(2-Chloroethoxy)methane	670.	U	720.	U	710.	U	730.	U	710.	U	710.	U
120-83-2	2,4-Dichlorophenol	550.	U	590.	U	580.	U	600.	U	580.	U	580.	U
120-82-1	1,2,4-Trichlorobenzene	550.	U	590.	U	580.	U	600.	U	580.	U	580.	U
91-20-3	Naphthalene	660.	U	700.	U	700.	U	720.	U	700.	U	700.	U
106-47-8	4-Chloroaniline	690.	U	740.	U	730.	U	750.	U	730.	U	730.	U
87-65-0	2,6-Dichlorophenol	1200.	U	1300.	U	1300.	U	1300.	U	1300.	U	1300.	U
1888-71-7	Hexachloropropene	570.	U	610.	U	600.	U	620.	U	600.	U	600.	U
87-68-3	Hexachlorobutadiene	560.	U	600.	U	590.	U	610.	U	590.	U	590.	U
87-61-6	1,2,3-Trichlorobenzene	600.	U	640.	U	630.	U	650.	U	630.	U	630.	U
98-07-7	Benzotrichloride	620.	U	660.	U	660.	U	670.	U	660.	U	660.	U
924-16-3	N-Nitroso-di-n-butylamine	1400.	U	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U
59-50-7	4-Chloro-3-methylphenol	740.	U	800.	U	790.	U	810.	U	790.	U	790.	U
94-59-7	Safrole	580.	U	620.	U	610.	U	630.	U	610.	U	610.	U
91-57-6	2-Methylnaphthalene	830.	U	900.	U	890.	U	910.	U	890.	U	890.	U
90-12-0	1-Methyl naphthalene	1100.	U	1200.	U	1200.	U	1200.	U	1200.	U	1200.	U
77-47-4	Hexachlorocyclopentadiene	660.	UJ	700.	UJ	700.	UJ	720.	U	700.	U	700.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	1300.	U	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U
634-90-2	1,2,3,5-Tetrachlorobenzene	1300.	U	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U
88-06-2	2,4,6-Trichlorophenol	1300.	U	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U
95-95-4	2,4,5-Trichlorophenol	1300.	U	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U
120-58-1	Isosafrole	1300.	U	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U
634-66-2	1,2,3,4-Tetrachlorobenzene	640.	U	680.	U	680.	U	690.	U	680.	U	680.	U
91-58-7	2-Chloronaphthalene	960.	U	1000.	U	1000.	U	1100.	U	1000.	U	1000.	U
90-13-1	1-Chloronaphthalene	1200.	U	1300.	U	1300.	U	1300.	U	1300.	U	1300.	U
88-74-4	2-Nitroaniline	1100.	U	1200.	U	1200.	U	1200.	U	1200.	U	1200.	U
130-15-4	1,4-Naphthoquinone	1600.	U	1700.	U	1700.	U	1700.	U	1700.	U	1700.	U
131-11-3	Dimethyl phthalate	960.	U	1000.	U	1000.	U	1100.	U	1000.	U	1000.	U
99-65-0	1,3-Dinitrobenzene	560.	U	600.	U	590.	U	610.	U	590.	U	590.	U
606-20-2	2,6-Dinitrotoluene	740.	U	800.	U	790.	U	810.	U	790.	U	790.	U
208-96-8	Acenaphthylene	670.	U	720.	U	710.	U	730.	U	710.	U	710.	U
99-09-2	3-Nitroaniline	690.	U	740.	U	730.	U	750.	U	730.	U	730.	U
83-32-9	Acenaphthene	660.	U	700.	U	700.	U	56.	J	700.	U	700.	U
51-28-5	2,4-Dinitrophenol	1700.	U	1800.	U	1800.	U	1800.	U	1800.	U	1800.	U
100-02-7	4-Nitrophenol	4500.	U	4800.	U	4800.	U	4900.	UJ	4800.	UJ	4800.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	510-S-B003-02		510-S-B004-01		510-S-B004-02		510-S-B005-01		510-S-B005-02		510-C-B005-02	
	ORIGINAL ID ----->	510SB00302		510SB00401		510SB00402		510SB00501		510SB00502		510CB00502	
	LAB SAMPLE ID --->	704441		704396		704413		690141		690147		690167	
	ID FROM REPORT -->	510SB00302		510SB00401		510SB00402		510SB00501		510SB00502		510CB00502	
	SAMPLE DATE ----->	04/18/95		04/18/95		04/18/95		03/14/95		03/14/95		03/14/95	
	DATE EXTRACTED -->	04/26/95		04/26/95		04/26/95		03/18/95		03/18/95		03/18/95	
	DATE ANALYZED --->	04/26/95		04/26/95		04/26/95		03/23/95		03/20/95		03/20/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0015S	VAL	0015S	VAL	0015S	VAL	0001S	VAL	0001S	VAL	0001S	VAL
608-93-5	Pentachlorobenzene	660.	U	700.	U	700.	U	720.	U	700.	U	700.	U
121-14-2	2,4-Dinitrotoluene	660.	U	700.	U	700.	U	720.	U	700.	U	700.	U
132-64-9	Dibenzofuran	690.	U	740.	U	730.	U	750.	U	730.	UR	730.	U
91-59-8	2-Naphthylamine	850.	U	920.	U	910.	U	930.	U	910.	U	910.	U
58-90-2	2,3,4,6-Tetrachlorophenol	1400.	U	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U
134-32-7	1-Naphthylamine	1400.	U	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U
84-66-2	Diethylphthalate	720.	U	770.	U	760.	U	780.	U	760.	U	760.	U
297-97-2	Thionazin	670.	U	720.	U	710.	U	730.	U	710.	U	710.	U
7005-72-3	4-Chlorophenylphenylether	600.	UJ	640.	UJ	630.	UJ	650.	U	630.	U	630.	U
99-55-8	5-Nitro-o-toluidine	990.	U	1100.	U	1100.	U	1100.	UJ	1100.	UJ	1100.	U
86-73-7	Fluorene	690.	U	740.	U	730.	U	750.	U	730.	U	730.	U
100-01-6	4-Nitroaniline	1100.	U	1200.	U	1200.	U	1200.	UJ	1200.	UJ	1200.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	1800.	U	1900.	U	1900.	U	2000.	U	1900.	U	1900.	U
86-30-6	N-Nitrosodiphenylamine	1400.	U	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U
122-39-4	Diphenylamine	1400.	U	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U
122-66-7	Hydrazine, 1,2-diphenyl	690.	U	740.	U	730.	U	750.	U	730.	U	730.	U
99-35-4	1,3,5-Trinitrobenzene	900.	U	970.	U	960.	U	990.	U	960.	U	960.	U
2303-16-4	Diallate	660.	U	700.	U	700.	U	720.	U	700.	U	700.	U
62-44-2	Phenacetin	610.	U	650.	U	640.	U	660.	U	640.	U	640.	U
101-55-3	4-Bromophenyl-phenylether	740.	U	800.	U	790.	U	810.	U	790.	U	790.	U
118-74-1	Hexachlorobenzene	760.	U	820.	U	810.	U	830.	U	810.	U	810.	U
60-51-5	Dimethoate	660.	U	700.	U	700.	U	720.	U	700.	U	700.	U
92-67-1	4-Aminobiphenyl	410.	U	440.	U	430.	U	440.	U	430.	U	430.	U
87-86-5	Pentachlorophenol	1400.	U	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U
23950-58-5	Pronamide	650.	U	690.	U	690.	U	700.	U	690.	U	690.	U
82-68-8	Pentachloronitrobenzene	640.	U	680.	U	680.	U	690.	U	680.	U	680.	U
85-01-8	Phenanthrene	620.	U	660.	U	660.	U	670.		660.	U	660.	U
120-12-7	Anthracene	740.	U	790.	U	780.	U	91.	J	780.	U	780.	U
84-74-2	Di-n-butylphthalate	760.	U	820.	U	810.	U	830.	U	57.	J	810.	U
56-57-5	4-Nitroquinoline 1-oxide	4800.	UR	5100.	UR	5100.	UR	5200.	UR	5100.	UR	5100.	UR
91-80-5	Methapyrilene	1300.	U	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U
6055-19-2	Cyclophosphamide Hydrate	630.	U	670.	U	670.	U	680.	UR	670.	UR	670.	UR
465-73-6	Isodrin	910.	U	980.	U	970.	U	1000.	U	970.	U	970.	U
206-44-0	Fluoranthene	910.	U	980.	U	970.	U	990.	J	970.	U	970.	U
92-87-5	Benzidine	1600.	U	1700.	U	1700.	U	1700.	U	1700.	U	1700.	U
129-00-0	Pyrene	730.	U	780.	U	770.	U	600.	J	770.	U	770.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA													
	SAMPLE ID ------>	510-S-B003-02		510-S-B004-01		510-S-B004-02		510-S-B005-01		510-S-B005-02		510-C-B005-02	
	ORIGINAL ID ----->	510SB00302		510SB00401		510SB00402		510SB00501		510SB00502		510CB00502	
	LAB SAMPLE ID --->	704441		704396		704413		690141		690147		690167	
	ID FROM REPORT -->	510SB00302		510SB00401		510SB00402		510SB00501		510SB00502		510CB00502	
	SAMPLE DATE ----->	04/18/95		04/18/95		04/18/95		03/14/95		03/14/95		03/14/95	
	DATE EXTRACTED -->	04/26/95		04/26/95		04/26/95		03/18/95		03/18/95		03/18/95	
	DATE ANALYZED --->	04/26/95		04/26/95		04/26/95		03/23/95		03/20/95		03/20/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0015S	VAL	0015S	VAL	0015S	VAL	0001S	VAL	0001S	VAL	0001S	VAL
140-57-8	Aramite	660.	U	700.	U	700.	U	720.	U	700.	U	700.	U
60-11-7	p-(Dimethylamino)azobenzene	670.	U	720.	U	710.	U	730.	U	710.	U	710.	U
510-15-6	Chlorobenzilate	710.	U	760.	U	750.	U	770.	U	750.	U	750.	U
52-85-7	Famphur	2000.	UR	2100.	UR	2100.	UR	2200.	UJ	2100.	UJ	2100.	UJ
85-68-7	Butylbenzylphthalate	680.	U	730.	U	720.	U	740.	U	720.	U	720.	U
119-93-7	3,3-Dimethylbenzidine	960.	U	1000.	U	1000.	U	1100.	U	1000.	U	1000.	U
53-96-3	Acetamidofluorene	710.	U	760.	U	750.	U	770.	U	750.	U	750.	U
119-90-4	3,3'-Dimethoxybenzidine	960.	U	1000.	U	1000.	U	1100.	U	1000.	U	1000.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	740.	U	800.	U	790.	U	120.	J	790.	U	790.	U
101-14-4	Benzenamine, 4,4'-methylenebis[2chloro-	450.	U	480.	U	480.	U	490.	U	480.	U	480.	U
91-94-1	3,3'-Dichlorobenzidine	500.	U	530.	U	530.	U	540.	U	530.	U	530.	U
56-55-3	Benzo(a)anthracene	660.	U	700.	U	700.	U	370.	J	700.	U	700.	U
218-01-9	Chrysene	540.	U	580.	U	570.	U	370.	J	570.	U	570.	U
117-84-0	Di-n-octyl phthalate	480.	U	510.	U	510.	U	520.	U	510.	U	510.	U
57-97-6	7,12-Dimethylbenz(a)anthracene	410.	U	440.	U	430.	U	440.	U	430.	U	430.	U
205-99-2	Benzo(b)fluoranthene	760.	U	820.	U	810.	U	930.	J	810.	U	810.	U
207-08-9	Benzo(k)fluoranthene	620.	U	660.	U	660.	U	810.	J	660.	U	660.	U
50-32-8	Benzo(a)pyrene	660.	U	700.	U	700.	U	430.	J	700.	U	700.	U
56-49-5	3-Methyl cholanthrene	610.	U	650.	U	640.	U	660.	U	640.	U	640.	U
224-42-0	Dibenz(a,j)acridine	410.	U	440.	U	430.	U	440.	U	430.	U	430.	U
193-39-5	Indeno(1,2,3-cd)pyrene	460.	U	490.	U	490.	U	150.	J	490.	U	490.	U
53-70-3	Dibenz(a,h)anthracene	430.	U	460.	U	450.	U	470.	U	450.	U	450.	U
191-24-2	Benzo(g,h,i)perylene	620.	U	660.	U	660.	U	150.	J	660.	U	660.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	510-S-B006-01	510-S-B007-01	510-G-W001-01	510-G-W002-01	511-S-B001-01	511-S-B001-02
	ORIGINAL ID ----->	510SB00601	510SB00701	510GW00101	510GW00201	511SB00101	511SB00102
	LAB SAMPLE ID --->	737588	737591	730803	730802	692137	692160
	ID FROM REPORT -->	510SB00601	510SB00701	510GW00101	510GW00201	511SB00101	511SB00102
	SAMPLE DATE ----->	06/30/95	06/30/95	06/12/95	06/12/95	03/21/95	03/21/95
	DATE EXTRACTED -->	07/07/95	07/07/95	06/16/95	06/16/95	03/28/95	03/28/95
	DATE ANALYZED --->	07/21/95	07/21/95	07/12/95	07/12/95	03/29/95	03/29/95
	MATRIX ---------->	Soil	Soil	Water	Water	Soil	Soil
	UNITS ----------->	UG/KG	UG/KG	UG/L	UG/L	UG/KG	UG/KG

CAS #	Parameter	0022S	VAL	0022S	VAL	0017S	VAL	0017S	VAL	0002S	VAL	0002S	VAL
62-75-9	N-Nitrosodimethylamine	760.	U	750.	U	15.	UJ	15.	UJ	720.	U	710.	U
110-86-1	Pyridine	630.	UJ	620.	UJ	20.	U	20.	U	600.	U	590.	U
123-63-7	Paraldehyde	410.	U	410.	U	10.	U	10.	U	390.	U	390.	U
97-63-2	Ethyl methacrylate	680.	U	670.	U	15.	U	15.	U	640.	U	630.	U
109-06-8	2-Picoline	1400.	U	1400.	U	45.	U	45.	U	1300.	U	1300.	U
10595-95-6	N-Nitrosomethylethylamine	620.	U	610.	U	20.	U	20.	U	590.	U	580.	U
66-27-3	Methyl methanesulfonate	800.	U	800.	U	20.	U	20.	U	760.	U	750.	U
55-18-5	N-Nitrosodiethylamine	690.	U	680.	U	15.	U	15.	U	650.	U	650.	U
62-50-0	Ethyl methanesulfonate	690.	U	680.	U	20.	U	20.	U	650.	U	650.	U
108-95-2	Phenol	660.	U	650.	U	15.	U	15.	U	620.	U	610.	U
62-53-3	Aniline	640.	U	640.	U	15.	U	15.	U	610.	U	600.	U
111-44-4	bis(2-Chloroethyl)ether	680.	U	670.	U	20.	U	20.	U	640.	U	630.	U
76-01-7	Pentachloroethane	950.	U	940.	U	10.	U	10.	U	900.	U	890.	U
95-57-8	2-Chlorophenol	720.	U	720.	U	15.	U	15.	U	680.	U	680.	U
541-73-1	1,3-Dichlorobenzene	590.	U	580.	U	10.	U	10.	U	550.	U	550.	U
100-44-7	Benzyl chloride	670.	U	660.	U	5.	U	5.	U	630.	U	620.	U
106-46-7	1,4-Dichlorobenzene	600.	U	590.	U	10.	U	10.	U	570.	U	560.	U
100-51-6	Benzyl alcohol	630.	U	620.	U	20.	U	20.	U	600.	U	590.	U
95-50-1	1,2-Dichlorobenzene	680.	U	670.	U	10.	U	10.	U	640.	U	630.	U
95-48-7	2-Methylphenol (o-Cresol)	750.	U	740.	U	20.	U	20.	U	710.	U	700.	U
39638-32-9	Bis(2-Chloroisopropyl)Ether	750.	U	740.	U	15.	U	15.	U	710.	U	700.	U
108-39-4	3-Methylphenol (m-Cresol)	1500.	U	1500.	U	35.	U	35.	U	1400.	U	1400.	U
106-44-5	4-Methylphenol (p-Cresol)	1500.	U	1500.	U	35.	U	35.	U	1400.	U	1400.	U
930-55-2	N-Nitrosopyrrolidine	610.	U	600.	U	15.	UJ	15.	U	580.	U	570.	U
621-64-7	N-Nitroso-di-n-propylamine	700.	U	690.	U	20.	U	20.	UJ	660.	U	660.	U
98-86-2	Acetophenone	760.	U	750.	U	20.	U	20.	U	720.	U	710.	U
59-89-2	N-Nitrosomorpholine	860.	U	850.	U	10.	U	10.	U	820.	U	810.	U
636-21-5	o-Toluidine hydrochloride	2300.	U	2300.	U	25.	U	25.	U	2200.	U	2200.	U
67-72-1	Hexachloroethane	690.	U	680.	U	10.	U	10.	U	650.	U	650.	U
98-95-3	Nitrobenzene	780.	U	770.	U	10.	U	10.	U	740.	U	730.	U
100-75-4	N-Nitrosopiperidine	850.	U	840.	U	10.	U	10.	U	800.	U	800.	U
78-59-1	Isophorone	780.	U	770.	U	10.	U	10.	U	740.	U	730.	U
88-75-5	2-Nitrophenol	710.	U	700.	U	5.	U	5.	U	670.	U	670.	U
105-67-9	2,4-Dimethylphenol	700.	U	690.	U	35.	U	35.	U	660.	U	660.	U
108-70-3	1,3,5-Trichlorobenzene	700.	U	690.	U	5.	U	5.	U	660.	U	660.	U
98-87-3	Benzal chloride	610.	UR	600.	UR	15.	U	15.	U	580.	U	570.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	510-S-B006-01	510-S-B007-01	510-G-W001-01	510-G-W002-01	511-S-B001-01	511-S-B001-02
	ORIGINAL ID ----->	510SB00601	510SB00701	510GW00101	510GW00201	511SB00101	511SB00102
	LAB SAMPLE ID --->	737588	737591	730803	730802	692137	692160
	ID FROM REPORT -->	510SB00601	510SB00701	510GW00101	510GW00201	511SB00101	511SB00102
	SAMPLE DATE ----->	06/30/95	06/30/95	06/12/95	06/12/95	03/21/95	03/21/95
	DATE EXTRACTED -->	07/07/95	07/07/95	06/16/95	06/16/95	03/28/95	03/28/95
	DATE ANALYZED --->	07/21/95	07/21/95	07/12/95	07/12/95	03/29/95	03/29/95
	MATRIX ---------->	Soil	Soil	Water	Water	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/L	UG/L	UG/KG	UG/KG

CAS #	Parameter	0022S	VAL	0022S	VAL	0017S	VAL	0017S	VAL	0002S	VAL	0002S	VAL
126-68-1	O,O,O-Triethylphosphorothioate	6100.	U	6000.	U	110.	U	110.	U	5800.	U	5700.	U
65-85-0	Benzoic acid	2200.	UJ	2200.	UJ	95.	U	95.	U	2100.	U	2000.	U
111-91-1	bis(2-Chloroethoxy)methane	770.	U	760.	U	15.	U	15.	U	730.	U	720.	U
120-83-2	2,4-Dichlorophenol	630.	U	620.	U	15.	U	15.	U	600.	U	590.	U
120-82-1	1,2,4-Trichlorobenzene	630.	U	620.	U	5.	U	5.	U	600.	U	590.	U
91-20-3	Naphthalene	760.	UJ	750.	UJ	5.	U	5.	U	720.	U	710.	U
106-47-8	4-Chloroaniline	790.	U	780.	U	5.	U	5.	U	750.	U	740.	U
87-65-0	2,6-Dichlorophenol	1400.	U	1400.	U	25.	U	25.	U	1300.	U	1300.	U
1888-71-7	Hexachloropropene	660.	U	650.	U	20.	U	20.	U	620.	U	610.	U
87-68-3	Hexachlorobutadiene	640.	U	640.	U	5.	U	5.	U	610.	U	600.	U
87-61-6	1,2,3-Trichlorobenzene	690.	U	680.	U	5.	U	5.	U	650.	U	650.	U
98-07-7	Benzotrichloride	710.	U	700.	U	5.	U	5.	U	670.	U	670.	U
924-16-3	N-Nitroso-di-n-butylamine	1600.	U	1600.	U	10.	U	10.	U	1500.	U	1500.	U
59-50-7	4-Chloro-3-methylphenol	860.	U	850.	U	10.	U	10.	U	820.	U	810.	U
94-59-7	Safrole	670.	U	660.	U	5.	U	5.	U	630.	U	620.	U
91-57-6	2-Methylnaphthalene	970.	U	950.	U	10.	U	10.	U	910.	U	900.	U
90-12-0	1-Methyl naphthalene	1300.	U	1200.	U	15.	U	15.	U	1200.	U	1200.	U
77-47-4	Hexachlorocyclopentadiene	760.	U	750.	U	25.	U	25.	U	720.	U	710.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	1500.	U	1500.	U	15.	U	15.	U	1400.	U	1400.	U
634-90-2	1,2,3,5-Tetrachlorobenzene	1500.	U	1500.	U	15.	U	15.	U	1400.	U	1400.	U
88-06-2	2,4,6-Trichlorophenol	1500.	U	1500.	U	25.	U	25.	U	1400.	U	1400.	U
95-95-4	2,4,5-Trichlorophenol	1500.	U	1500.	U	25.	U	25.	U	1400.	U	1400.	U
120-58-1	Isosafrole	1500.	U	1500.	U	10.	U	10.	U	1400.	U	1400.	U
634-66-2	1,2,3,4-Tetrachlorobenzene	740.	U	730.	U	10.	U	10.	U	700.	U	690.	U
91-58-7	2-Chloronaphthalene	1100.	U	1100.	U	15.	U	15.	U	1100.	U	1000.	U
90-13-1	1-Chloronaphthalene	1400.	U	1400.	U	25.	U	25.	U	1300.	U	1300.	U
88-74-4	2-Nitroaniline	1300.	U	1200.	U	20.	U	20.	U	1200.	U	1200.	U
130-15-4	1,4-Naphthoquinone	1800.	U	1800.	U	35.	U	35.	U	1700.	U	1700.	U
131-11-3	Dimethyl phthalate	1100.	U	1100.	U	10.	U	10.	U	1100.	U	1000.	U
99-65-0	1,3-Dinitrobenzene	640.	U	640.	U	15.	U	15.	U	610.	U	600.	U
606-20-2	2,6-Dinitrotoluene	860.	U	850.	U	15.	U	15.	U	820.	U	810.	U
208-96-8	Acenaphthylene	770.	U	760.	U	10.	U	10.	U	730.	U	720.	U
99-09-2	3-Nitroaniline	790.	U	780.	U	30.	U	30.	U	750.	U	740.	U
83-32-9	Acenaphthene	760.	U	750.	U	10.	U	10.	U	720.	U	710.	U
51-28-5	2,4-Dinitrophenol	2000.	U	1900.	U	75.	U	75.	U	1800.	U	1800.	U
100-02-7	4-Nitrophenol	5200.	U	5100.	U	45.	UJ	45.	UJ	4900.	U	4800.	U

*** Validation Complete ***

SW846-SVOA	SAMPLE ID ------->	510-S-B006-01	510-S-B007-01	510-G-W001-01	510-G-W002-01	511-S-B001-01	511-S-B001-02
	ORIGINAL ID ----->	510SB00601	510SB00701	510GW00101	510GW00201	511SB00101	511SB00102
	LAB SAMPLE ID --->	737588	737591	730803	730802	692137	692160
	ID FROM REPORT -->	510SB00601	510SB00701	510GW00101	510GW00201	511SB00101	511SB00102
	SAMPLE DATE ----->	06/30/95	06/30/95	06/12/95	06/12/95	03/21/95	03/21/95
	DATE EXTRACTED -->	07/07/95	07/07/95	06/16/95	06/16/95	03/28/95	03/28/95
	DATE ANALYZED --->	07/21/95	07/21/95	07/12/95	07/12/95	03/29/95	03/29/95
	MATRIX ---------->	Soil	Soil	Water	Water	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/L	UG/L	UG/KG	UG/KG

CAS #	Parameter	0022S	VAL	0022S	VAL	0017S	VAL	0017S	VAL	0002S	VAL	0002S	VAL
608-93-5	Pentachlorobenzene	760.	U	750.	U	10.	U	10.	U	720.	U	710.	U
121-14-2	2,4-Dinitrotoluene	760.	U	750.	U	10.	U	10.	U	720.	U	710.	U
132-64-9	Dibenzofuran	790.	U	780.	U	10.	U	10.	U	750.	U	740.	U
91-59-8	2-Naphthylamine	990.	U	980.	U	20.	U	20.	U	930.	U	920.	U
58-90-2	2,3,4,6-Tetrachlorophenol	1600.	U	1600.	U	35.	U	35.	U	1500.	U	1500.	U
134-32-7	1-Naphthylamine	1600.	U	1600.	U	35.	U	35.	U	1500.	U	1500.	U
84-66-2	Diethylphthalate	830.	U	820.	U	15.	U	15.	U	780.	U	770.	U
297-97-2	Thionazin	770.	U	760.	U	15.	U	15.	U	730.	U	720.	U
7005-72-3	4-Chlorophenylphenylether	690.	U	680.	U	10.	U	10.	U	650.	U	650.	U
99-55-8	5-Nitro-o-toluidine	1100.	U	1100.	U	30.	U	30.	U	1100.	U	1100.	U
86-73-7	Fluorene	790.	U	780.	U	10.	U	10.	U	750.	U	740.	U
100-01-6	4-Nitroaniline	1300.	U	1200.	U	35.	U	35.	U	1200.	U	1200.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	2100.	U	2000.	U	45.	U	45.	U	2000.	U	1900.	U
86-30-6	N-Nitrosodiphenylamine	1600.	U	1600.	U	30.	U	30.	U	1500.	U	1500.	U
122-39-4	Diphenylamine	1600.	U	1600.	U	30.	U	30.	U	1500.	U	1500.	U
122-66-7	Hydrazine, 1,2-diphenyl	790.	U	780.	U	15.	U	15.	U	750.	U	740.	U
99-35-4	1,3,5-Trinitrobenzene	1000.	U	1000.	U	45.	U	45.	U	990.	U	980.	U
2303-16-4	Diallate	760.	U	750.	U	20.	U	20.	U	720.	U	710.	U
62-44-2	Phenacetin	700.	U	690.	U	20.	U	20.	U	660.	U	660.	U
101-55-3	4-Bromophenyl-phenylether	860.	U	850.	U	15.	U	15.	U	820.	U	810.	U
118-74-1	Hexachlorobenzene	880.	U	880.	U	15.	U	15.	U	840.	U	830.	U
60-51-5	Dimethoate	760.	U	750.	U	15.	U	15.	U	720.	U	710.	U
92-67-1	4-Aminobiphenyl	470.	U	470.	U	10.	U	10.	U	450.	U	440.	U
87-86-5	Pentachlorophenol	1600.	U	1600.	U	55.	U	55.	U	1500.	U	1500.	U
23950-58-5	Pronamide	750.	U	740.	U	15.	U	15.	U	710.	U	700.	U
82-68-8	Pentachloronitrobenzene	740.	U	730.	U	15.	U	15.	U	700.	U	690.	U
85-01-8	Phenanthrene	710.	U	700.	U	15.	U	15.	U	77.	J	670.	U
120-12-7	Anthracene	850.	U	840.	U	15.	U	15.	U	800.	U	800.	U
84-74-2	Di-n-butylphthalate	880.	U	880.	U	15.	U	15.	U	840.	U	830.	U
56-57-5	4-Nitroquinoline 1-oxide	5500.	UR	5500.	UR	75.	UJ	75.	UJ	5200.	UR	5200.	UR
91-80-5	Methapyrilene	1500.	U	1500.	U	30.	U	30.	U	1400.	U	1400.	U
6055-19-2	Cyclophosphamide Hydrate	720.	UR	720.	UR	20.	UR	20.	UR	680.	UR	680.	UR
465-73-6	Isodrin	1100.	U	1000.	U	15.	U	15.	U	1000.	U	990.	U
206-44-0	Fluoranthene	1100.	U	63.	J	20.	U	20.	U	150.	J	990.	U
92-87-5	Benzidine	1800.	U	1800.	U	25.	UJ	25.	UJ	1700.	U	1700.	U
129-00-0	Pyrene	840.	U	68.	J	10.	U	10.	U	87.	J	780.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	510-S-B006-01		510-S-B007-01		510-G-W001-01		510-G-W002-01		511-S-B001-01		511-S-B001-02	
	ORIGINAL ID ----->	510SB00601		510SB00701		510GW00101		510GW00201		511SB00101		511SB00102	
	LAB SAMPLE ID --->	737588		737591		730803		730802		692137		692160	
	ID FROM REPORT -->	510SB00601		510SB00701		510GW00101		510GW00201		511SB00101		511SB00102	
	SAMPLE DATE ----->	06/30/95		06/30/95		06/12/95		06/12/95		03/21/95		03/21/95	
	DATE EXTRACTED -->	07/07/95		07/07/95		06/16/95		06/16/95		03/28/95		03/28/95	
	DATE ANALYZED --->	07/21/95		07/21/95		07/12/95		07/12/95		03/29/95		03/29/95	
	MATRIX ---------->	Soil		Soil		Water		Water		Soil		Soil	
	UNITS ----------->	UG/KG		UG/KG		UG/L		UG/L		UG/KG		UG/KG	
CAS #	Parameter	0022S	VAL	0022S	VAL	0017S	VAL	0017S	VAL	0002S	VAL	0002S	VAL
140-57-8	Aramite	760.	UJ	750.	UJ	20.	UJ	20.	UJ	720.	U	710.	U
60-11-7	p-(Dimethylamino)azobenzene	770.	U	760.	U	10.	U	10.	U	730.	U	720.	U
510-15-6	Chlorobenzilate	820.	U	810.	U	10.	UJ	10.	UJ	770.	U	760.	U
52-85-7	Famphur	2300.	U	2300.	U	65.	UJ	65.	UJ	2200.	U	2200.	U
85-68-7	Butylbenzylphthalate	780.	U	770.	U	10.	UJ	10.	UJ	740.	U	730.	U
119-93-7	3,3-Dimethylbenzidine	1100.	U	1100.	U	100.	UJ	100.	UJ	1100.	U	1000.	U
53-96-3	Acetamidofluorene	820.	U	810.	U	10.	U	10.	U	770.	U	760.	U
119-90-4	3,3'-Dimethoxybenzidine	1100.	U	1100.	U	20.	UJ	20.	UJ	1100.	U	1000.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	860.	U	850.	U	10.	U	10.	U	820.	U	810.	U
101-14-4	Benzenamine, 4,4'-methylenebis[2chloro-	520.	U	510.	U	15.	U	15.	U	490.	U	480.	U
91-94-1	3,3'-Dichlorobenzidine	570.	U	570.	U	10.	U	10.	U	540.	U	540.	U
56-55-3	Benzo(a)anthracene	760.	U	55.	J	10.	U	10.	U	75.	J	710.	U
218-01-9	Chrysene	620.	U	43.	J	15.	U	15.	U	78.	J	580.	U
117-84-0	Di-n-octyl phthalate	550.	U	550.	U	20.	U	20.	U	520.	U	520.	U
57-97-6	7,12-Dimethylbenz(a)anthracene	470.	U	470.	U	10.	U	10.	U	450.	U	440.	U
205-99-2	Benzo(b)fluoranthene	880.	U	74.	J	10.	U	10.	U	140.	J	830.	U
207-08-9	Benzo(k)fluoranthene	710.	U	77.	J	20.	U	20.	U	140.	J	670.	U
50-32-8	Benzo(a)pyrene	760.	U	750.	U	5.	U	5.	U	69.	J	710.	U
56-49-5	3-Methyl cholanthrene	700.	U	690.	U	5.	U	5.	U	660.	U	660.	U
224-42-0	Dibenz(a,j)acridine	470.	U	470.	U	10.	U	10.	U	450.	U	440.	U
193-39-5	Indeno(1,2,3-cd)pyrene	530.	U	520.	U	10.	U	10.	U	500.	U	490.	U
53-70-3	Dibenz(a,h)anthracene	490.	U	490.	U	10.	U	10.	U	470.	U	460.	U
191-24-2	Benzo(g,h,i)perylene	710.	U	700.	U	10.	U	10.	U	670.	U	670.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	511-S-B002-01	511-S-B002-02	511-S-B003-01	511-S-B003-02	511-S-B004-01	511-S-B005-01
	ORIGINAL ID ----->	511SB00201	511SB00202	511SB00301	511SB00302	511SB00401	511SB00501
	LAB SAMPLE ID --->	692193	692149	692203	692170	692100	692249
	ID FROM REPORT -->	511SB00201	511SB00202	511SB00301	511SB00302	511SB00401	511SB00501
	SAMPLE DATE ----->	03/21/95	03/21/95	03/21/95	03/21/95	03/21/95	03/21/95
	DATE EXTRACTED -->	03/28/95	03/28/95	03/25/95	03/28/95	03/28/95	03/25/95
	DATE ANALYZED --->	03/29/95	03/29/95	03/26/95	03/29/95	03/29/95	03/26/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0002S	VAL	0002S	VAL	0003S	VAL	0002S	VAL	0002S	VAL	0003S	VAL
62-75-9	N-Nitrosodimethylamine	690.	U	700.	U	700.	UJ	710.	U	720.	U	700.	UJ
110-86-1	Pyridine	580.	U	590.	U	590.	U	590.	U	600.	U	590.	U
123-63-7	Paraldehyde	380.	U	380.	U	380.	U	390.	U	390.	U	380.	U
97-63-2	Ethyl methacrylate	620.	U	630.	U	630.	U	630.	U	640.	U	630.	U
109-06-8	2-Picoline	1300.	U	1300.	U	1300.	U	1300.	U	1300.	U	1300.	U
10595-95-6	N-Nitrosomethylethylamine	570.	U	570.	U	580.	U	580.	U	590.	U	570.	U
66-27-3	Methyl methanesulfonate	740.	U	740.	U	750.	U	750.	U	760.	U	740.	U
55-18-5	N-Nitrosodiethylamine	630.	U	640.	U	640.	U	650.	U	650.	U	640.	U
62-50-0	Ethyl methanesulfonate	630.	U	640.	U	640.	U	650.	U	650.	U	640.	U
108-95-2	Phenol	600.	U	610.	U	610.	U	610.	U	620.	U	610.	U
62-53-3	Aniline	590.	U	600.	U	600.	U	600.	U	610.	U	600.	U
111-44-4	bis(2-Chloroethyl)ether	620.	U	630.	U	630.	U	630.	U	640.	U	630.	U
76-01-7	Pentachloroethane	870.	U	880.	U	890.	U	890.	U	900.	U	880.	U
95-57-8	2-Chlorophenol	660.	U	670.	U	670.	U	680.	U	680.	U	670.	U
541-73-1	1,3-Dichlorobenzene	540.	U	540.	U	540.	U	550.	U	550.	U	540.	U
100-44-7	Benzyl chloride	610.	U	620.	U	620.	U	620.	U	630.	U	620.	U
106-46-7	1,4-Dichlorobenzene	550.	U	550.	U	560.	U	560.	U	570.	U	550.	U
100-51-6	Benzyl alcohol	580.	U	590.	U	590.	U	590.	U	600.	U	590.	U
95-50-1	1,2-Dichlorobenzene	620.	U	630.	U	630.	U	630.	U	640.	U	630.	U
95-48-7	2-Methylphenol (o-Cresol)	680.	U	690.	U	690.	U	700.	U	710.	U	690.	U
39638-32-9	Bis(2-Chloroisopropyl)Ether	680.	U	690.	U	690.	UJ	700.	U	710.	U	690.	UJ
108-39-4	3-Methylphenol (m-Cresol)	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U
106-44-5	4-Methylphenol (p-Cresol)	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U
930-55-2	N-Nitrosopyrrolidine	560.	U	560.	U	570.	U	570.	U	580.	U	560.	U
621-64-7	N-Nitroso-di-n-propylamine	640.	U	650.	U	650.	U	660.	U	660.	U	650.	U
98-86-2	Acetophenone	690.	U	700.	U	700.	U	710.	U	720.	U	700.	U
59-89-2	N-Nitrosomorpholine	790.	U	800.	U	800.	U	810.	U	820.	U	800.	U
636-21-5	o-Toluidine hydrochloride	2100.	U	2100.	U	2100.	U	2200.	U	2200.	U	2100.	U
67-72-1	Hexachloroethane	630.	U	640.	U	640.	U	650.	U	650.	U	640.	U
98-95-3	Nitrobenzene	720.	U	720.	U	730.	U	730.	U	740.	U	720.	U
100-75-4	N-Nitrosopiperidine	780.	U	790.	U	790.	U	800.	U	800.	U	790.	U
78-59-1	Isophorone	720.	U	720.	U	730.	U	730.	U	740.	U	720.	U
88-75-5	2-Nitrophenol	650.	U	660.	U	660.	U	670.	U	670.	U	660.	U
105-67-9	2,4-Dimethylphenol	640.	U	650.	U	650.	U	660.	U	660.	U	650.	U
108-70-3	1,3,5-Trichlorobenzene	640.	U	650.	U	650.	U	660.	U	660.	U	650.	U
98-87-3	Benzal chloride	560.	U	560.	U	570.	U	570.	U	580.	U	560.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------>	511-S-B002-01		511-S-B002-02		511-S-B003-01		511-S-B003-02		511-S-B004-01		511-S-B005-01	
	ORIGINAL ID ----->	511SB00201		511SB00202		511SB00301		511SB00302		511SB00401		511SB00501	
	LAB SAMPLE ID --->	692193		692149		692203		692170		692100		692249	
	ID FROM REPORT -->	511SB00201		511SB00202		511SB00301		511SB00302		511SB00401		511SB00501	
	SAMPLE DATE ----->	03/21/95		03/21/95		03/21/95		03/21/95		03/21/95		03/21/95	
	DATE EXTRACTED -->	03/28/95		03/28/95		03/25/95		03/28/95		03/28/95		03/25/95	
	DATE ANALYZED --->	03/29/95		03/29/95		03/26/95		03/29/95		03/29/95		03/26/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0002S	VAL	0002S	VAL	0003S	VAL	0002S	VAL	0002S	VAL	0003S	VAL
126-68-1	O,O,O-Triethylphosphorothioate	5600.	U	5600.	U	5700.	U	5700.	U	5800.	U	5600.	U
65-85-0	Benzoic acid	2000.	U	2000.	U	2000.	UJ	2000.	U	2100.	U	2000.	UJ
111-91-1	bis(2-Chloroethoxy)methane	710.	U	710.	U	720.	U	720.	U	730.	U	710.	U
120-83-2	2,4-Dichlorophenol	580.	U	590.	U	590.	U	590.	U	600.	U	590.	U
120-82-1	1,2,4-Trichlorobenzene	580.	U	590.	U	590.	U	590.	U	600.	U	590.	U
91-20-3	Naphthalene	690.	U	700.	U	700.	U	710.	U	720.	U	84.	J
106-47-8	4-Chloroaniline	730.	U	730.	U	740.	U	740.	U	750.	U	730.	U
87-65-0	2,6-Dichlorophenol	1300.	U	1300.	U	1300.	U	1300.	U	1300.	U	1300.	U
1888-71-7	Hexachloropropene	600.	U	610.	U	610.	U	610.	U	620.	U	610.	U
87-68-3	Hexachlorobutadiene	590.	U	600.	U	600.	U	600.	U	610.	U	600.	U
87-61-6	1,2,3-Trichlorobenzene	630.	U	640.	U	640.	U	650.	U	650.	U	640.	U
98-07-7	Benzotrichloride	650.	U	660.	U	660.	U	670.	U	670.	U	660.	U
924-16-3	N-Nitroso-di-n-butylamine	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U
59-50-7	4-Chloro-3-methylphenol	790.	U	800.	U	800.	U	810.	U	820.	U	800.	U
94-59-7	Safrole	610.	U	620.	U	200.	J	620.	U	630.	U	620.	U
91-57-6	2-Methylnaphthalene	880.	U	890.	U	900.	U	900.	U	910.	U	120.	J
90-12-0	1-Methyl naphthalene	1200.	U	1200.	U	1200.	U	1200.	U	1200..	U	100.	J
77-47-4	Hexachlorocyclopentadiene	690.	U	700.	U	700.	U	710.	U	720.	U	700.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U
634-90-2	1,2,3,5-Tetrachlorobenzene	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U
88-06-2	2,4,6-Trichlorophenol	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U
95-95-4	2,4,5-Trichlorophenol	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U
120-58-1	Isosafrole	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U
634-66-2	1,2,3,4-Tetrachlorobenzene	670.	U	680.	U	680.	U	690.	U	700.	U	680.	U
91-58-7	2-Chloronaphthalene	1000.	U	1000.	U	1000.	U	1000.	U	1100.	U	1000.	U
90-13-1	1-Chloronaphthalene	1300.	U	1300.	U	1300.	U	1300.	U	1300.	U	1300.	U
88-74-4	2-Nitroaniline	1200.	U	1200.	U	1200.	U	1200.	U	1200.	U	1200.	U
130-15-4	1,4-Naphthoquinone	1700.	U	1700.	U	1700.	U	1700.	U	1700.	U	1700.	U
131-11-3	Dimethyl phthalate	1000.	U	1000.	U	1000.	U	1000.	U	1100.	U	1000.	U
99-65-0	1,3-Dinitrobenzene	590.	U	600.	U	600.	U	600.	U	610.	U	600.	U
606-20-2	2,6-Dinitrotoluene	790.	U	800.	U	800.	U	810.	U	820.	U	800.	U
208-96-8	Acenaphthylene	710.	U	710.	U	720.	U	720.	U	730.	U	710.	U
99-09-2	3-Nitroaniline	730.	U	730.	U	740.	U	740.	U	750.	U	730.	U
83-32-9	Acenaphthene	690.	U	700.	U	700.	U	710.	U	720.	U	700.	U
51-28-5	2,4-Dinitrophenol	1800.	U	1800.	U	1800.	UJ	1800.	U	1800.	U	1800.	UJ
100-02-7	4-Nitrophenol	4700.	U	4800.	U	4800.	U	4800.	U	4900.	U	4800.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	511-S-B002-01	511-S-B002-02	511-S-B003-01	511-S-B003-02	511-S-B004-01	511-S-B005-01
	ORIGINAL ID ----->	511SB00201	511SB00202	511SB00301	511SB00302	511SB00401	511SB00501
	LAB SAMPLE ID --->	692193	692149	692203	692170	692100	692249
	ID FROM REPORT -->	511SB00201	511SB00202	511SB00301	511SB00302	511SB00401	511SB00501
	SAMPLE DATE ----->	03/21/95	03/21/95	03/21/95	03/21/95	03/21/95	03/21/95
	DATE EXTRACTED -->	03/28/95	03/28/95	03/25/95	03/28/95	03/28/95	03/25/95
	DATE ANALYZED --->	03/29/95	03/29/95	03/26/95	03/29/95	03/29/95	03/26/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ----------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0002S	VAL	0002S	VAL	0003S	VAL	0002S	VAL	0002S	VAL	0003S	VAL
608-93-5	Pentachlorobenzene	690.	U	700.	U	700.	U	710.	U	720.	U	700.	U
121-14-2	2,4-Dinitrotoluene	690.	U	700.	U	700.	U	710.	U	720.	U	700.	U
132-64-9	Dibenzofuran	730.	U	730.	U	740.	U	740.	U	750.	U	730.	U
91-59-8	2-Naphthylamine	910.	U	910.	U	920.	U	920.	U	930.	U	910.	U
58-90-2	2,3,4,6-Tetrachlorophenol	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U
134-32-7	1-Naphthylamine	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U
84-66-2	Diethylphthalate	760.	U	770.	U	770.	U	770.	U	780.	U	770.	U
297-97-2	Thionazin	710.	U	710.	U	720.	U	720.	U	730.	U	710.	U
7005-72-3	4-Chlorophenylphenylether	630.	U	640.	U	640.	U	650.	U	650.	U	640.	U
99-55-8	5-Nitro-o-toluidine	1100.	U	1100.	U	1100.	UJ	1100.	U	1100.	U	1100.	U
86-73-7	Fluorene	730.	U	730.	U	740.	U	740.	U	750.	U	730.	U
100-01-6	4-Nitroaniline	1200.	U	1200.	U	1200.	UJ	1200.	U	1200.	U	1200.	UJ
534-52-1	2-Methyl-4,6-Dinitrophenol	1900.	U	1900.	U	1900.	U	1900.	U	2000.	U	1900.	U
86-30-6	N-Nitrosodiphenylamine	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U
122-39-4	Diphenylamine	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U
122-66-7	Hydrazine, 1,2-diphenyl	730.	U	730.	U	740.	U	740.	U	750.	U	730.	U
99-35-4	1,3,5-Trinitrobenzene	960.	U	970.	U	970.	U	980.	U	990.	U	970.	U
2303-16-4	Diallate	690.	U	700.	U	700.	U	710.	U	720.	U	700.	U
62-44-2	Phenacetin	640.	U	650.	U	650.	U	660.	U	660.	U	650.	U
101-55-3	4-Bromophenyl-phenylether	790.	U	800.	U	800.	U	810.	U	820.	U	800.	U
118-74-1	Hexachlorobenzene	810.	U	820.	U	820.	U	830.	U	840.	U	820.	U
60-51-5	Dimethoate	690.	U	700.	U	700.	U	710.	U	720.	U	700.	U
92-67-1	4-Aminobiphenyl	430.	U	440.	U	440.	U	440.	U	450.	U	440.	U
87-86-5	Pentachlorophenol	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U
23950-58-5	Pronamide	680.	U	690.	U	690.	U	700.	U	710.	U	690.	U
82-68-8	Pentachloronitrobenzene	670.	U	680.	U	680.	U	690.	U	700.	U	680.	U
85-01-8	Phenanthrene	41.	J	660.	U	660.	U	670.	U	670.	U	60.	J
120-12-7	Anthracene	780.	U	790.	U	790.	U	800.	U	800.	U	790.	U
84-74-2	Di-n-butylphthalate	810.	U	820.	U	820.	U	830.	U	840.	U	820.	U
56-57-5	4-Nitroquinoline 1-oxide	5100.	UR	5100.	UR	5100.	UR	5200.	UR	5200.	UR	5100.	UR
91-80-5	Methapyrilene	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U
6055-19-2	Cyclophosphamide Hydrate	660.	UR	670.	UR	670.	UR	680.	UR	680.	UR	670.	UR
465-73-6	Isodrin	970.	U	980.	U	980.	U	990.	U	1000.	U	980.	U
206-44-0	Fluoranthene	74.	J	980.	U	980.	U	990.	U	37.	J	48.	J
92-87-5	Benzidine	1700.	U	1700.	U	1700.	U	1700.	U	1700.	U	1700.	U
129-00-0	Pyrene	48.	J	780.	U	780.	U	780.	U	790.	U	49.	J

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------>	511-S-B002-01	511-S-B002-02	511-S-B003-01	511-S-B003-02	511-S-B004-01	511-S-B005-01
	ORIGINAL ID ----->	511SB00201	511SB00202	511SB00301	511SB00302	511SB00401	511SB00501
	LAB SAMPLE ID --->	692193	692149	692203	692170	692100	692249
	ID FROM REPORT -->	511SB00201	511SB00202	511SB00301	511SB00302	511SB00401	511SB00501
	SAMPLE DATE ----->	03/21/95	03/21/95	03/21/95	03/21/95	03/21/95	03/21/95
	DATE EXTRACTED -->	03/28/95	03/28/95	03/25/95	03/28/95	03/28/95	03/25/95
	DATE ANALYZED --->	03/29/95	03/29/95	03/26/95	03/29/95	03/29/95	03/26/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0002S	VAL	0002S	VAL	0003S	VAL	0002S	VAL	0002S	VAL	0003S	VAL
140-57-8	Aramite	690.	U	700.	U	700.	U	710.	U	720.	U	700.	U
60-11-7	p-(Dimethylamino)azobenzene	710.	U	710.	U	720.	U	720.	U	730.	U	710.	U
510-15-6	Chlorobenzilate	750.	U	760.	U	760.	U	760.	U	770.	U	760.	U
52-85-7	Famphur	2100.	U	2100.	U	2100.	U	2200.	U	2200.	U	2100.	U
85-68-7	Butylbenzylphthalate	720.	U	720.	U	730.	U	730.	U	740.	U	720.	U
119-93-7	3,3-Dimethylbenzidine	1000.	U	1000.	U	1000.	U	1000.	U	1100.	U	1000.	UJ
53-96-3	Acetamidofluorene	750.	U	760.	U	760.	U	760.	U	770.	U	760.	U
119-90-4	3,3'-Dimethoxybenzidine	1000.	U	1000.	U	1000.	UJ	1000.	U	1100.	U	1000.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	790.	U	800.	U	800.	U	810.	U	820.	U	800.	U
101-14-4	Benzenamine, 4,4'-methylenebis[2chloro-	470.	U	480.	U	480.	U	480.	U	490.	U	480.	U
91-94-1	3,3'-Dichlorobenzidine	530.	U	530.	U	530.	U	540.	U	540.	U	530.	U
56-55-3	Benzo(a)anthracene	49.	J	700.	U	700.	U	710.	U	720.	U	50.	J
218-01-9	Chrysene	64.	J	570.	U	43.	J	580.	U	590.	U	100.	J
117-84-0	Di-n-octyl phthalate	510.	U	510.	U	510.	U	520.	U	520.	U	510.	U
57-97-6	7,12-Dimethylbenz(a)anthracene	430.	U	440.	U	440.	U	440.	U	450.	U	440.	U
205-99-2	Benzo(b)fluoranthene	85.	J	820.	U	820.	U	830.	U	840.	U	87.	J
207-08-9	Benzo(k)fluoranthene	38.	J	660.	U	660.	UJ	670.	U	670.	U	80.	J
50-32-8	Benzo(a)pyrene	48.	J	700.	U	700.	U	710.	U	720.	U	52.	J
56-49-5	3-Methyl cholanthrene	640.	U	650.	U	650.	U	660.	U	660.	U	650.	U
224-42-0	Dibenz(a,j)acridine	430.	U	440.	U	440.	U	440.	U	450.	U	440.	U
193-39-5	Indeno(1,2,3-cd)pyrene	480.	U	490.	U	490.	U	490.	U	500.	U	490.	U
53-70-3	Dibenz(a,h)anthracene	450.	U	460.	U	460.	U	460.	U	470.	U	460.	U
191-24-2	Benzo(g,h,i)perylene	650.	U	660.	U	660.	U	670.	U	670.	U	660.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	511-S-B005-02	511-C-B005-02	511-S-B006-01	511-S-B006-02	512-S-B001-01	512-S-B002-01
	ORIGINAL ID ----->	511SB00502	511CB00502	511SB00601	511SB00602	512SB00101	512SB00201
	LAB SAMPLE ID --->	692187	692106	691990	692230	690511	690518
	ID FROM REPORT -->	511SB00502	511CB00502	511SB00601	511SB00602	512SB00101	512SB00201
	SAMPLE DATE ----->	03/21/95	03/21/95	03/21/95	03/21/95	03/15/95	03/15/95
	DATE EXTRACTED -->	03/28/95	03/28/95	03/24/95	03/25/95	03/21/95	03/21/95
	DATE ANALYZED --->	03/29/95	03/29/95	03/25/95	03/26/95	03/23/95	03/23/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0002S	VAL	0002S	VAL	0002S	VAL	0003S	VAL	0001S	VAL	0001S	VAL
62-75-9	N-Nitrosodimethylamine	690.	U	700.	U	680.	U	700.	U	760.	U	820.	U
110-86-1	Pyridine	580.	U	590.	U	570.	U	590.	U	640.	U	690.	U
123-63-7	Paraldehyde	380.	U	380.	U	370.	U	380.	U	420.	U	450.	U
97-63-2	Ethyl methacrylate	620.	U	630.	U	610.	U	630.	U	680.	U	740.	U
109-06-8	2-Picoline	1300.	U	1300.	U	1200.	U	1300.	U	1400.	U	1500.	U
10595-95-6	N-Nitrosomethylethylamine	570.	U	570.	U	560.	U	570.	U	630.	U	670.	U
66-27-3	Methyl methanesulfonate	740.	U	740.	U	720.	U	740.	U	810.	U	870.	U
55-18-5	N-Nitrosodiethylamine	630.	U	640.	U	620.	U	640.	U	700.	U	750.	U
62-50-0	Ethyl methanesulfonate	630.	U	640.	U	620.	U	640.	U	700.	U	750.	U
108-95-2	Phenol	600.	U	610.	U	590.	U	610.	U	660.	U	710.	U
62-53-3	Aniline	590.	U	600.	U	580.	U	600.	U	650.	U	700.	U
111-44-4	bis(2-Chloroethyl)ether	620.	U	630.	U	610.	U	630.	U	680.	U	740.	U
76-01-7	Pentachloroethane	870.	U	880.	U	860.	U	880.	U	960.	U	1000.	U
95-57-8	2-Chlorophenol	660.	U	670.	U	650.	U	670.	U	730.	U	780.	U
541-73-1	1,3-Dichlorobenzene	540.	U	540.	U	530.	U	540.	U	590.	U	640.	U
100-44-7	Benzyl chloride	610.	U	620.	U	600.	U	620.	U	670.	U	720.	U
106-46-7	1,4-Dichlorobenzene	550.	U	550.	U	540.	U	550.	U	600.	U	650.	U
100-51-6	Benzyl alcohol	580.	U	590.	U	570.	U	590.	U	640.	U	690.	U
95-50-1	1,2-Dichlorobenzene	620.	U	630.	U	610.	U	630.	U	680.	U	740.	U
95-48-7	2-Methylphenol (o-Cresol)	680.	U	690.	U	670.	U	690.	U	750.	U	810.	U
39638-32-9	Bis(2-Chloroisopropyl)Ether	680.	U	690.	U	670.	U	690.	U	750.	U	810.	U
108-39-4	3-Methylphenol (m-Cresol)	1400.	U	1400.	U	1300.	U	1400.	U	1500.	U	1600.	U
106-44-5	4-Methylphenol (p-Cresol)	1400.	U	1400.	U	1300.	U	1400.	U	1500.	U	1600.	U
930-55-2	N-Nitrosopyrrolidine	560.	U	560.	U	550.	U	560.	U	610.	U	660.	U
621-64-7	N-Nitroso-di-n-propylamine	640.	U	650.	U	630.	U	650.	U	710.	U	760.	U
98-86-2	Acetophenone	690.	U	700.	U	680.	U	700.	U	760.	U	820.	U
59-89-2	N-Nitrosomorpholine	790.	U	800.	U	780.	U	800.	U	870.	U	930.	U
636-21-5	o-Toluidine hydrochloride	2100.	U	2100.	U	2100.	U	2100.	U	2300.	U	2500.	U
67-72-1	Hexachloroethane	630.	U	640.	U	620.	U	640.	U	700.	U	750.	U
98-95-3	Nitrobenzene	720.	U	720.	U	700.	U	720.	U	790.	U	850.	U
100-75-4	N-Nitrosopiperidine	780.	U	790.	U	770.	U	790.	U	860.	U	920.	U
78-59-1	Isophorone	720.	U	720.	U	700.	U	720.	U	790.	U	850.	U
88-75-5	2-Nitrophenol	650.	U	660.	U	640.	U	660.	U	720.	U	770.	U
105-67-9	2,4-Dimethylphenol	640.	U	650.	U	630.	U	650.	U	710.	U	760.	U
108-70-3	1,3,5-Trichlorobenzene	640.	U	650.	U	630.	U	650.	U	710.	U	760.	U
98-87-3	Benzal chloride	560.	U	560.	U	550.	U	560.	U	610.	U	660.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	511-S-B005-02	511-C-B005-02	511-S-B006-01	511-S-B006-02	512-S-B001-01	512-S-B002-01
	ORIGINAL ID ----->	511SB00502	511CB00502	511SB00601	511SB00602	512SB00101	512SB00201
	LAB SAMPLE ID --->	692187	692106	691990	692230	690511	690518
	ID FROM REPORT -->	511SB00502	511CB00502	511SB00601	511SB00602	512SB00101	512SB00201
	SAMPLE DATE ----->	03/21/95	03/21/95	03/21/95	03/21/95	03/15/95	03/15/95
	DATE EXTRACTED -->	03/28/95	03/28/95	03/24/95	03/25/95	03/21/95	03/21/95
	DATE ANALYZED --->	03/29/95	03/29/95	03/25/95	03/26/95	03/23/95	03/23/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0002S	VAL	0002S	VAL	0002S	VAL	0003S	VAL	0001S	VAL	0001S	VAL
126-68-1	O,O,O-Triethylphosphorothioate	5600.	U	5600.	U	5500.	U	5600.	U	6100.	U	6600.	U
65-85-0	Benzoic acid	2000.	U	2000.	U	2000.	UJ	2000.	U	2200.	U	2400.	U
111-91-1	bis(2-Chloroethoxy)methane	710.	U	710.	U	690.	U	710.	U	780.	U	830.	U
120-83-2	2,4-Dichlorophenol	580.	U	590.	U	570.	U	590.	U	640.	U	690.	U
120-82-1	1,2,4-Trichlorobenzene	580.	U	590.	U	570.	U	590.	U	640.	U	690.	U
91-20-3	Naphthalene	690.	U	700.	U	680.	U	700.	U	760.	U	820.	U
106-47-8	4-Chloroaniline	730.	U	730.	U	710.	U	730.	U	800.	U	860.	U
87-65-0	2,6-Dichlorophenol	1300.	U	1300.	U	1200.	U	1300.	U	1400.	U	1500.	U
1888-71-7	Hexachloropropene	600.	U	610.	U	590.	U	610.	U	660.	U	710.	U
87-68-3	Hexachlorobutadiene	590.	U	600.	U	580.	U	600.	U	650.	U	700.	U
87-61-6	1,2,3-Trichlorobenzene	630.	U	640.	U	620.	U	640.	U	700.	U	750.	U
98-07-7	Benzotrichloride	650.	U	660.	U	640.	U	660.	U	720.	U	770.	U
924-16-3	N-Nitroso-di-n-butylamine	1500.	U	1500.	U	1400.	U	1500.	U	1600.	U	1700.	U
59-50-7	4-Chloro-3-methylphenol	790.	U	800.	U	780.	U	800.	U	870.	U	930.	U
94-59-7	Safrole	610.	U	620.	U	600.	U	620.	U	670.	U	720.	U
91-57-6	2-Methylnaphthalene	880.	U	890.	U	870.	U	890.	U	970.	U	1000.	U
90-12-0	1-Methyl naphthalene	1200.	U	1200.	U	1100.	U	1200.	U	1300.	U	1400.	U
77-47-4	Hexachlorocyclopentadiene	690.	U	700.	U	680.	U	700.	U	760.	U	820.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	1400.	U	1400.	U	1300.	U	1400.	U	1500.	U	1600.	U
634-90-2	1,2,3,5-Tetrachlorobenzene	1400.	U	1400.	U	1300.	U	1400.	U	1500.	U	1600.	U
88-06-2	2,4,6-Trichlorophenol	1400.	U	1400.	U	1300.	U	1400.	U	1500.	U	1600.	U
95-95-4	2,4,5-Trichlorophenol	1400.	U	1400.	U	1300.	U	1400.	U	1500.	U	1600.	U
120-58-1	Isosafrole	1400.	U	1400.	U	1300.	U	1400.	U	1500.	U	1600.	U
634-66-2	1,2,3,4-Tetrachlorobenzene	670.	U	680.	U	660.	U	680.	U	740.	U	800.	U
91-58-7	2-Chloronaphthalene	1000.	U	1000.	U	1000.	U	1000.	U	1100.	U	1200.	U
90-13-1	1-Chloronaphthalene	1300.	U	1300.	U	1200.	U	1300.	U	1400.	U	1500.	U
88-74-4	2-Nitroaniline	1200.	U	1200.	U	1100.	U	1200.	U	1300.	U	1400.	U
130-15-4	1,4-Naphthoquinone	1700.	U	1700.	U	1700.	U	1700.	U	1900.	U	2000.	U
131-11-3	Dimethyl phthalate	1000.	U	1000.	U	1000.	U	1000.	U	1100.	U	1200.	U
99-65-0	1,3-Dinitrobenzene	590.	U	600.	U	580.	U	600.	U	650.	U	700.	U
606-20-2	2,6-Dinitrotoluene	790.	U	800.	U	780.	U	800.	U	870.	U	930.	U
208-96-8	Acenaphthylene	710.	U	710.	U	690.	U	710.	U	780.	U	830.	U
99-09-2	3-Nitroaniline	730.	U	730.	U	710.	U	730.	U	800.	U	860.	U
83-32-9	Acenaphthene	690.	U	700.	U	680.	U	700.	U	760.	U	820.	U
51-28-5	2,4-Dinitrophenol	1800.	U	1800.	U	1800.	UJ	1800.	U	2000.	U	2100.	U
100-02-7	4-Nitrophenol	4700.	U	4800.	U	4700.	UJ	4800.	U	5200.	U	5600.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA																					
	SAMPLE ID ------->	511-S-B005-02		511-C-B005-02		511-S-B006-01		511-S-B006-02		512-S-B001-01		512-S-B002-01	
	ORIGINAL ID ----->	511SB00502		511CB00502		511SB00601		511SB00602		512SB00101		512SB00201	
	LAB SAMPLE ID --->	692187		692106		691990		692230		690511		690518	
	ID FROM REPORT -->	511SB00502		511CB00502		511SB00601		511SB00602		512SB00101		512SB00201	
	SAMPLE DATE ----->	03/21/95		03/21/95		03/21/95		03/21/95		03/15/95		03/15/95	
	DATE EXTRACTED -->	03/28/95		03/28/95		03/24/95		03/25/95		03/21/95		03/21/95	
	DATE ANALYZED --->	03/29/95		03/29/95		03/25/95		03/26/95		03/23/95		03/23/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0002S	VAL	0002S	VAL	0002S	VAL	0003S	VAL	0001S	VAL	0001S	VAL
608-93-5	Pentachlorobenzene	690.	U	700.	U	680.	U	700.	U	760.	U	820.	U
121-14-2	2,4-Dinitrotoluene	690.	U	700.	U	680.	U	700.	U	760.	U	820.	U
132-64-9	Dibenzofuran	730.	U	730.	U	710.	U	730.	U	800.	U	860.	U
91-59-8	2-Naphthylamine	910.	U	910.	U	890.	U	910.	U	1000.	U	1100.	U
58-90-2	2,3,4,6-Tetrachlorophenol	1500.	U	1500.	U	1400.	U	1500.	U	1600.	U	1700.	U
134-32-7	1-Naphthylamine	1500.	U	1500.	U	1400.	U	1500.	U	1600.	U	1700.	U
84-66-2	Diethylphthalate	760.	U	770.	U	750.	U	770.	U	830.	U	900.	U
297-97-2	Thionazin	710.	U	710.	U	690.	U	710.	U	780.	U	830.	U
7005-72-3	4-Chlorophenylphenylether	630.	U	640.	U	620.	U	640.	U	700.	U	750.	U
99-55-8	5-Nitro-o-toluidine	1100.	U	1100.	U	1000.	U	1100.	U	1200.	U	1200.	U
86-73-7	Fluorene	730.	U	730.	U	710.	U	730.	U	800.	U	860.	U
100-01-6	4-Nitroaniline	1200.	U	1200.	U	1100.	U	1200.	U	1300.	U	1400.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	1900.	U	1900.	U	1900.	U	1900.	U	2100.	U	2200.	U
86-30-6	N-Nitrosodiphenylamine	1500.	U	1500.	U	1400.	U	1500.	U	1600.	U	1700.	U
122-39-4	Diphenylamine	1500.	U	1500.	U	1400.	U	1500.	U	1600.	U	1700.	U
122-66-7	Hydrazine, 1,2-diphenyl	730.	U	730.	U	710.	U	730.	U	800.	U	860.	U
99-35-4	1,3,5-Trinitrobenzene	960.	U	970.	U	940.	U	970.	U	1100.	U	1100.	U
2303-16-4	Diallate	690.	U	700.	U	680.	U	700.	U	760.	U	820.	U
62-44-2	Phenacetin	640.	U	650.	U	630.	U	650.	U	710.	U	760.	U
101-55-3	4-Bromophenyl-phenylether	790.	U	800.	U	780.	U	800.	U	870.	U	930.	U
118-74-1	Hexachlorobenzene	810.	U	820.	U	800.	U	820.	U	890.	U	960.	U
60-51-5	Dimethoate	690.	U	700.	U	680.	U	700.	U	760.	U	820.	U
92-67-1	4-Aminobiphenyl	430.	U	440.	U	420.	U	440.	U	480.	U	510.	U
87-86-5	Pentachlorophenol	1500.	U	1500.	U	1400.	U	1500.	U	1600.	U	1700.	U
23950-58-5	Pronamide	680.	U	690.	U	670.	U	690.	U	750.	U	810.	U
82-68-8	Pentachloronitrobenzene	670.	U	680.	U	660.	U	680.	U	740.	U	800.	U
85-01-8	Phenanthrene	650.	U	660.	U	640.	U	660.	U	120.	J	770.	U
120-12-7	Anthracene	780.	U	790.	U	770.	U	790.	U	860.	U	920.	U
84-74-2	Di-n-butylphthalate	810.	U	820.	U	800.	U	820.	U	890.	U	960.	U
56-57-5	4-Nitroquinoline 1-oxide	5100.	UR	5100.	UR	5000.	UR	5100.	UR	5600.	UR	6000.	UR
91-80-5	Methapyrilene	1400.	U	1400.	U	1300.	UJ	1400.	U	1500.	U	1600.	U
6055-19-2	Cyclophosphamide Hydrate	660.	UR	670.	UR	650.	UR	670.	UR	730.	UR	780.	UR
465-73-6	Isodrin	970.	U	980.	U	950.	U	980.	U	1100.	U	1100.	U
206-44-0	Fluoranthene	970.	U	980.	U	950.	U	980.	U	200.	J	76.	J
92-87-5	Benzidine	1700.	U	1700.	U	1700.	UJ	1700.	U	1900.	U	2000.	U
129-00-0	Pyrene	770.	U	780.	U	760.	U	780.	U	120.	J	52.	J

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA									
	SAMPLE ID ------->	511-S-B005-02	511-C-B005-02	511-S-B006-01	511-S-B006-02	512-S-B001-01	512-S-B002-01		
	ORIGINAL ID ----->	511SB00502	511CB00502	511SB00601	511SB00602	512SB00101	512SB00201		
	LAB SAMPLE ID --->	692187	692106	691990	692230	690511	690518		
	ID FROM REPORT -->	511SB00502	511CB00502	511SB00601	511SB00602	512SB00101	512SB00201		
	SAMPLE DATE ----->	03/21/95	03/21/95	03/21/95	03/21/95	03/15/95	03/15/95		
	DATE EXTRACTED -->	03/28/95	03/28/95	03/24/95	03/25/95	03/21/95	03/21/95		
	DATE ANALYZED --->	03/29/95	03/29/95	03/25/95	03/26/95	03/23/95	03/23/95		
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil		
	UNITS ----------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG		
CAS #	Parameter	0002S VAL	0002S VAL	0002S VAL	0003S VAL	0001S VAL	0001S VAL		
140-57-8	Aramite	690. U	700. U	680. U	700. U	760. U	820. U		
60-11-7	p-(Dimethylamino)azobenzene	710. U	710. U	690. U	710. U	780. U	830. U		
510-15-6	Chlorobenzilate	750. U	760. U	740. U	760. U	820. U	880. U		
52-85-7	Famphur	2100. U	2100. U	2100. U	2100. U	2300. UJ	2500. UJ		
85-68-7	Butylbenzylphthalate	720. U	720. U	700. U	720. U	790. U	850. U		
119-93-7	3,3-Dimethylbenzidine	1000. U	1000. U	1000. U	1000. U	1100. U	1200. U		
53-96-3	Acetamidofluorene	750. U	760. U	740. U	760. U	820. U	880. U		
119-90-4	3,3'-Dimethoxybenzidine	1000. U	1000. U	1000. U	1000. U	1100. U	1200. U		
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	790. U	800. U	110. J	800. U	870. U	930. U		
101-14-4	Benzenamine, 4,4'-methylenebis[2chloro-	470. U	480. U	470. U	480. U	520. U	560. U		
91-94-1	3,3'-Dichlorobenzidine	530. U	530. U	520. U	530. U	580. U	620. U		
56-55-3	Benzo(a)anthracene	690. U	700. U	680. U	700. U	110. J	45. J		
218-01-9	Chrysene	570. U	570. U	560. U	570. U	100. J	58. J		
117-84-0	Di-n-octyl phthalate	510. U	510. U	500. U	510. U	560. U	600. U		
57-97-6	7,12-Dimethylbenz(a)anthracene	430. U	440. U	420. U	440. U	480. U	510. U		
205-99-2	Benzo(b)fluoranthene	810. U	820. U	800. U	820. U	250. J	110. J		
207-08-9	Benzo(k)fluoranthene	650. U	660. U	640. U	660. U	220. J	95. J		
50-32-8	Benzo(a)pyrene	690. U	700. U	680. U	700. U	100. J	820. U		
56-49-5	3-Methyl cholanthrene	640. U	650. U	630. U	650. U	710. U	760. U		
224-42-0	Dibenz(a,j)acridine	430. U	440. U	420. U	440. U	480. U	510. U		
193-39-5	Indeno(1,2,3-cd)pyrene	480. U	490. U	480. U	490. U	530. U	570. U		
53-70-3	Dibenz(a,h)anthracene	450. U	460. U	450. U	460. U	500. U	540. U		
191-24-2	Benzo(g,h,i)perylene	650. U	660. U	640. U	660. U	720. U	770. U		
108-60-1	2,2'-oxybis(1-Chloropropane)	NR	NR	NR	NR	NR	NR		

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	512-S-B002-02		512-S-B003-01		512-C-B003-01		512-S-B004-01		512-S-B005-01		512-S-B006-01	
	ORIGINAL ID ----->	512SB00202		512SB00301		512CB00301		512SB00401		512SB00501		512SB00601	
	LAB SAMPLE ID --->	690519		690502		690522		690507		690493		690517	
	ID FROM REPORT -->	512SB00202		512SB00301		512CB00301		512SB00401		512SB00501		512SB00601	
	SAMPLE DATE ----->	03/15/95		03/15/95		03/15/95		03/15/95		03/15/95		03/15/95	
	DATE EXTRACTED -->	03/21/95		03/21/95		03/21/95		03/21/95		03/21/95		03/21/95	
	DATE ANALYZED --->	03/23/95		03/23/95		03/24/95		03/23/95		03/23/95		03/23/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0001S	VAL	0001S	VAL	0001S	VAL	0001S	VAL	0001S	VAL	0001S	VAL
62-75-9	N-Nitrosodimethylamine	850.	U	730.	U	730.	U	740.	U	710.	U	800.	U
110-86-1	Pyridine	710.	U	610.	U	610.	UJ	620.	U	590.	U	670.	U
123-63-7	Paraldehyde	470.	U	400.	U	400.	UJ	400.	U	390.	U	440.	U
97-63-2	Ethyl methacrylate	760.	U	660.	U	660.	U	660.	U	640.	U	710.	U
109-06-8	2-Picoline	1600.	U	1300.	U	1300.	U	1300.	U	1300.	U	1500.	U
10595-95-6	N-Nitrosomethylethylamine	700.	U	600.	U	600.	U	610.	U	580.	U	650.	U
66-27-3	Methyl methanesulfonate	910.	U	780.	U	780.	U	790.	U	760.	U	850.	U
55-18-5	N-Nitrosodiethylamine	780.	U	670.	U	670.	U	670.	U	650.	U	730.	U
62-50-0	Ethyl methanesulfonate	780.	U	670.	U	670.	U	670.	U	650.	U	730.	U
108-95-2	Phenol	740.	U	630.	U	630.	U	640.	U	620.	U	690.	U
62-53-3	Aniline	720.	U	620.	U	620.	U	630.	U	600.	U	680.	U
111-44-4	bis(2-Chloroethyl)ether	760.	U	660.	U	660.	U	660.	U	640.	U	710.	U
76-01-7	Pentachloroethane	1100.	U	920.	U	920.	U	930.	U	900.	U	1000.	U
95-57-8	2-Chlorophenol	820.	U	700.	U	700.	U	710.	U	680.	U	760.	U
541-73-1	1,3-Dichlorobenzene	660.	U	570.	U	570.	U	570.	U	550.	U	620.	U
100-44-7	Benzyl chloride	750.	U	640.	U	640.	U	650.	U	630.	U	700.	U
106-46-7	1,4-Dichlorobenzene	670.	U	580.	U	580.	U	580.	U	560.	U	630.	U
100-51-6	Benzyl alcohol	710.	U	610.	U	610.	U	620.	U	590.	U	670.	U
95-50-1	1,2-Dichlorobenzene	760.	U	660.	U	660.	U	660.	U	640.	U	710.	U
95-48-7	2-Methylphenol (o-Cresol)	840.	U	720.	U	720.	U	730.	U	700.	U	790.	U
39638-32-9	Bis(2-Chloroisopropyl)Ether	840.	U	720.	U	720.	U	730.	U	700.	U	790.	U
108-39-4	3-Methylphenol (m-Cresol)	1700.	U	1400.	U	1400.	U	1500.	U	1400.	U	1600.	U
106-44-5	4-Methylphenol (p-Cresol)	1700.	U	1400.	U	1400.	U	1500.	U	1400.	U	1600.	U
930-55-2	N-Nitrosopyrrolidine	690.	U	590.	U	590.	U	600.	U	570.	U	640.	U
621-64-7	N-Nitroso-di-n-propylamine	790.	U	680.	U	680.	U	690.	U	660.	U	740.	U
98-86-2	Acetophenone	850.	U	730.	U	730.	U	740.	U	710.	U	800.	U
59-89-2	N-Nitrosomorpholine	970.	U	830.	U	830.	U	840.	U	810.	U	910.	U
636-21-5	o-Toluidine hydrochloride	2600.	U	2200.	U	2200.	U	2200.	U	2200.	U	2400.	U
67-72-1	Hexachloroethane	780.	U	670.	U	670.	U	670.	U	650.	U	730.	U
98-95-3	Nitrobenzene	880.	U	760.	U	760.	U	760.	U	730.	U	820.	U
100-75-4	N-Nitrosopiperidine	960.	U	820.	U	820.	U	830.	U	800.	U	900.	U
78-59-1	Isophorone	880.	U	760.	U	760.	U	760.	U	730.	U	820.	U
88-75-5	2-Nitrophenol	800.	U	690.	U	690.	U	700.	U	670.	U	750.	U
105-67-9	2,4-Dimethylphenol	790.	U	680.	U	680.	U	690.	U	660.	U	740.	U
108-70-3	1,3,5-Trichlorobenzene	790.	U	680.	U	680.	U	690.	U	660.	U	740.	U
98-87-3	Benzal chloride	690.	U	590.	U	590.	U	600.	U	570.	U	640.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA													
	SAMPLE ID ------->	512-S-B002-02		512-S-B003-01		512-C-B003-01		512-S-B004-01		512-S-B005-01		512-S-B006-01	
	ORIGINAL ID ----->	512SB00202		512SB00301		512CB00301		512SB00401		512SB00501		512SB00601	
	LAB SAMPLE ID --->	690519		690502		690522		690507		690493		690517	
	ID FROM REPORT -->	512SB00202		512SB00301		512CB00301		512SB00401		512SB00501		512SB00601	
	SAMPLE DATE ----->	03/15/95		03/15/95		03/15/95		03/15/95		03/15/95		03/15/95	
	DATE EXTRACTED -->	03/21/95		03/21/95		03/21/95		03/21/95		03/21/95		03/21/95	
	DATE ANALYZED --->	03/23/95		03/23/95		03/24/95		03/23/95		03/23/95		03/23/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0001S	VAL	0001S	VAL	0001S	VAL	0001S	VAL	0001S	VAL	0001S	VAL
126-68-1	O,O,O-Triethylphosphorothioate	6900.	U	5900.	U	5900.	U	6000.	U	5700.	U	6400.	U
65-85-0	Benzoic acid	2500.	U	2100.	U	2100.	UR	2100.	U	2100.	U	2300.	U
111-91-1	bis(2-Chloroethoxy)methane	870.	U	740.	U	740.	U	750.	U	720.	U	810.	U
120-83-2	2,4-Dichlorophenol	710.	U	610.	U	610.	U	620.	U	590.	U	670.	U
120-82-1	1,2,4-Trichlorobenzene	710.	U	610.	U	610.	U	620.	U	590.	U	670.	U
91-20-3	Naphthalene	850.	U	730.	U	730.	U	740.	U	710.	U	800.	U
106-47-8	4-Chloroaniline	890.	U	770.	U	770.	U	780.	U	740.	U	840.	U
87-65-0	2,6-Dichlorophenol	1600.	U	1300.	U	1300.	U	1300.	U	1300.	U	1500.	U
1888-71-7	Hexachloropropene	740.	U	630.	U	630.	U	640.	U	620.	U	690.	U
87-68-3	Hexachlorobutadiene	720.	U	620.	U	620.	U	630.	U	600.	U	680.	U
87-61-6	1,2,3-Trichlorobenzene	780.	U	670.	U	670.	U	670.	U	650.	U	730.	U
98-07-7	Benzotrichloride	800.	U	690.	U	690.	U	700.	U	670.	U	750.	U
924-16-3	N-Nitroso-di-n-butylamine	1800.	U	1600.	U	1600.	U	1600.	U	1500.	U	1700.	U
59-50-7	4-Chloro-3-methylphenol	970.	U	830.	U	830.	U	840.	U	810.	U	910.	U
94-59-7	Safrole	750.	U	640.	U	640.	U	650.	U	630.	U	700.	U
91-57-6	2-Methylnaphthalene	1100.	U	930.	U	930.	U	940.	U	910.	U	1000.	U
90-12-0	1-Methyl naphthalene	1400.	U	1200.	U	1200.	U	1200.	U	1200.	U	1300.	U
77-47-4	Hexachlorocyclopentadiene	850.	U	730.	U	730.	U	740.	U	710.	U	800.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	1700.	U	1400.	U	1400.	U	1500.	U	1400.	U	1600.	U
634-90-2	1,2,3,5-Tetrachlorobenzene	1700.	U	1400.	U	1400.	U	1500.	U	1400.	U	1600.	U
88-06-2	2,4,6-Trichlorophenol	1700.	U	1400.	U	1400.	U	1500.	U	1400.	U	1600.	U
95-95-4	2,4,5-Trichlorophenol	1700.	U	1400.	U	1400.	U	1500.	U	1400.	U	1600.	U
120-58-1	Isosafrole	1700.	U	1400.	U	1400.	U	1500.	U	1400.	U	1600.	U
634-66-2	1,2,3,4-Tetrachlorobenzene	830.	U	710.	U	710.	U	720.	U	690.	U	780.	U
91-58-7	2-Chloronaphthalene	1300.	U	1100.	U	1100.	U	1100.	U	1000.	U	1200.	U
90-13-1	1-Chloronaphthalene	1600.	U	1300.	U	1300.	U	1300.	U	1300.	U	1500.	U
88-74-4	2-Nitroaniline	1400.	U	1200.	U	1200.	U	1200.	U	1200.	U	1300.	U
130-15-4	1,4-Naphthoquinone	2100.	U	1800.	U	1800.	U	1800.	U	1700.	U	1900.	U
131-11-3	Dimethyl phthalate	1300.	U	1100.	U	1100.	U	1100.	U	1000.	U	1200.	U
99-65-0	1,3-Dinitrobenzene	720.	U	620.	U	620.	U	630.	U	600.	U	680.	U
606-20-2	2,6-Dinitrotoluene	970.	U	830.	U	830.	U	840.	U	810.	U	910.	U
208-96-8	Acenaphthylene	870.	U	740.	U	740.	U	750.	U	720.	U	810.	U
99-09-2	3-Nitroaniline	890.	U	770.	U	770.	U	780.	U	740.	U	840.	U
83-32-9	Acenaphthene	850.	U	730.	U	730.	U	740.	U	710.	U	800.	U
51-28-5	2,4-Dinitrophenol	2200.	U	1900.	U	1900.	UJ	1900.	U	1800.	U	2100.	U
100-02-7	4-Nitrophenol	5800.	U	5000.	U	5000.	U	5100.	U	4900.	U	5500.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	512-S-B002-02		512-S-B003-01		512-C-B003-01		512-S-B004-01		512-S-B005-01		512-S-B006-01	
	ORIGINAL ID ----->	512SB00202		512SB00301		512CB00301		512SB00401		512SB00501		512SB00601	
	LAB SAMPLE ID --->	690519		690502		690522		690507		690493		690517	
	ID FROM REPORT -->	512SB00202		512SB00301		512CB00301		512SB00401		512SB00501		512SB00601	
	SAMPLE DATE ----->	03/15/95		03/15/95		03/15/95		03/15/95		03/15/95		03/15/95	
	DATE EXTRACTED -->	03/21/95		03/21/95		03/21/95		03/21/95		03/21/95		03/21/95	
	DATE ANALYZED --->	03/23/95		03/23/95		03/24/95		03/23/95		03/23/95		03/23/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0001S	VAL	0001S	VAL	0001S	VAL	0001S	VAL	0001S	VAL	0001S	VAL
608-93-5	Pentachlorobenzene	850.	U	730.	U	730.	U	740.	U	710.	U	800.	U
121-14-2	2,4-Dinitrotoluene	850.	U	730.	U	730.	U	740.	U	710.	U	800.	U
132-64-9	Dibenzofuran	890.	U	770.	U	770.	U	780.	U	740.	U	840.	U
91-59-8	2-Naphthylamine	1100.	U	960.	U	960.	U	970.	U	930.	U	1000.	U
58-90-2	2,3,4,6-Tetrachlorophenol	1800.	U	1600.	U	1600.	U	1600.	U	1500.	U	1700.	U
134-32-7	1-Naphthylamine	1800.	U	1600.	U	1600.	U	1600.	U	1500.	U	1700.	U
84-66-2	Diethylphthalate	930.	U	800.	U	800.	U	810.	U	780.	U	870.	U
297-97-2	Thionazin	870.	U	740.	U	740.	U	750.	U	720.	U	810.	U
7005-72-3	4-Chlorophenylphenylether	780.	U	670.	U	670.	U	670.	U	650.	U	730.	U
99-55-8	5-Nitro-o-toluidine	1300.	U	1100.	U	1100.	U	1100.	U	1100.	U	1200.	U
86-73-7	Fluorene	890.	U	770.	U	770.	U	780.	U	740.	U	840.	U
100-01-6	4-Nitroaniline	1400.	U	1200.	U	1200.	U	1200.	U	1200.	U	1300.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	2300.	U	2000.	U	2000.	U	2000.	U	1900.	U	2200.	U
86-30-6	N-Nitrosodiphenylamine	1800.	U	1600.	U	1600.	U	1600.	U	1500.	U	1700.	U
122-39-4	Diphenylamine	1800.	U	1600.	U	1600.	U	1600.	U	1500.	U	1700.	U
122-66-7	Hydrazine, 1,2-diphenyl	890.	U	770.	U	770.	U	780.	U	740.	U	840.	U
99-35-4	1,3,5-Trinitrobenzene	1200.	U	1000.	U	1000.	U	1000.	U	980.	U	1100.	U
2303-16-4	Diallate	850.	U	730.	U	730.	U	740.	U	710.	U	800.	U
62-44-2	Phenacetin	790.	U	680.	U	680.	U	690.	U	660.	U	740.	U
101-55-3	4-Bromophenyl-phenylether	970.	U	830.	U	830.	U	840.	U	810.	U	910.	U
118-74-1	Hexachlorobenzene	1000.	U	860.	U	860.	U	870.	U	830.	U	930.	U
60-51-5	Dimethoate	850.	U	730.	U	730.	U	740.	U	710.	U	800.	U
92-67-1	4-Aminobiphenyl	530.	U	460.	U	460.	U	460.	U	440.	U	500.	U
87-86-5	Pentachlorophenol	1800.	U	1600.	U	1600.	U	1600.	U	1500.	U	1700.	U
23950-58-5	Pronamide	840.	U	720.	U	720.	U	730.	U	700.	U	790.	U
82-68-8	Pentachloronitrobenzene	830.	U	710.	U	710.	U	720.	U	690.	U	780.	U
85-01-8	Phenanthrene	100.	J	77.	J	110.	J	49.	J	73.	J	66.	J
120-12-7	Anthracene	960.	U	820.	U	820.	U	830.	U	800.	U	900.	U
84-74-2	Di-n-butylphthalate	1000.	U	860.	U	860.	U	870.	U	830.	UJ	930.	U
56-57-5	4-Nitroquinoline 1-oxide	6200.	UR	5300.	UR	5300.	UR	5400.	UR	5200.	UR	5800.	UR
91-80-5	Methapyrilene	1700.	U	1400.	U	1400.	U	1500.	U	1400.	U	1600.	U
6055-19-2	Cyclophosphamide Hydrate	820.	UR	700.	UR	700.	UR	710.	UR	680.	UR	760.	UR
465-73-6	Isodrin	1200.	U	1000.	U	1000.	U	1000.	U	990.	U	1100.	U
206-44-0	Fluoranthene	100.	J	120.	J	220.	J	110.	J	180.	J	140.	J
92-87-5	Benzidine	2100.	U	1800.	U	1800.	UJ	1800.	U	1700.	U	1900.	U
129-00-0	Pyrene	64.	J	77.	J	190.	J	55.	J	100.	J	77.	J

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	512-S-B002-02	512-S-B003-01	512-C-B003-01	512-S-B004-01	512-S-B005-01	512-S-B006-01
	ORIGINAL ID ----->	512SB00202	512SB00301	512CB00301	512SB00401	512SB00501	512SB00601
	LAB SAMPLE ID --->	690519	690502	690522	690507	690493	690517
	ID FROM REPORT -->	512SB00202	512SB00301	512CB00301	512SB00401	512SB00501	512SB00601
	SAMPLE DATE ----->	03/15/95	03/15/95	03/15/95	03/15/95	03/15/95	03/15/95
	DATE EXTRACTED -->	03/21/95	03/21/95	03/21/95	03/21/95	03/21/95	03/21/95
	DATE ANALYZED --->	03/23/95	03/23/95	03/24/95	03/23/95	03/23/95	03/23/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0001S	VAL	0001S	VAL	0001S	VAL	0001S	VAL	0001S	VAL	0001S	VAL
140-57-8	Aramite	850.	U	730.	U	730.	U	740.	U	710.	U	800.	U
60-11-7	p-(Dimethylamino)azobenzene	870.	U	740.	U	740.	U	750.	U	720.	U	810.	U
510-15-6	Chlorobenzilate	920.	U	790.	U	790.	UJ	800.	U	770.	U	860.	U
52-85-7	Famphur	2600.	UJ	2200.	UJ	2200.	U	2200.	UJ	2200.	UJ	2400.	UJ
85-68-7	Butylbenzylphthalate	880.	U	760.	U	760.	U	760.	U	730.	U	820.	U
119-93-7	3,3-Dimethylbenzidine	1300.	U	1100.	U	1100.	U	1100.	U	1000.	U	1200.	U
53-96-3	Acetamidofluorene	920.	U	790.	U	790.	U	800.	U	770.	U	860.	U
119-90-4	3,3'-Dimethoxybenzidine	1300.	U	1100.	U	1100.	U	1100.	U	1000.	U	1200.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	970.	U	830.	U	830.	U	840.	U	810.	U	910.	U
101-14-4	Benzenamine, 4,4'-methylenebis[2chloro-	580.	U	500.	U	500.	U	510.	U	490.	U	550.	U
91-94-1	3,3'-Dichlorobenzidine	650.	U	560.	U	560.	U	560.	U	540.	U	610.	U
56-55-3	Benzo(a)anthracene	850.	U	69.	J	130.	J	56.	J	94.	J	74.	J
218-01-9	Chrysene	57.	J	70.	J	110.	J	67.	J	120.	J	73.	J
117-84-0	Di-n-octyl phthalate	620.	U	530.	U	530.	U	540.	U	520.	U	580.	U
57-97-6	7,12-Dimethylbenz(a)anthracene	530.	U	460.	U	460.	U	460.	U	440.	U	500.	U
205-99-2	Benzo(b)fluoranthene	110.	J	150.	J	250.	J	140.	J	270.	J	150.	J
207-08-9	Benzo(k)fluoranthene	92.	J	130.	J	240.	J	120.	J	240.	J	130.	J
50-32-8	Benzo(a)pyrene	850.		61.	J	100.	J	63.	J	110.	J	60.	J
56-49-5	3-Methyl cholanthrene	790.	U	680.	U	680.	U	690.	U	660.	U	740.	U
224-42-0	Dibenz(a,j)acridine	530.	U	460.	U	460.	UJ	460.	U	440.	U	500.	U
193-39-5	Indeno(1,2,3-cd)pyrene	600.	U	510.	U	510.	UJ	520.	U	500.	U	560.	U
53-70-3	Dibenz(a,h)anthracene	560.	U	480.	U	480.	UJ	480.	U	460.	U	520.	U
191-24-2	Benzo(g,h,i)perylene	800.	U	690.	U	690.	UJ	700.	U	670.	U	750.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA							
SAMPLE ID ------->	512-S-B007-01	512-S-B008-01	512-S-B009-01	513-S-B001-01	513-S-B001-02	513-S-B002-01
ORIGINAL ID ----->	512SB00701	512SB00801	512SB00901	513SB00101	513SB00102	513SB00201
LAB SAMPLE ID --->	736791	736792	736793	702266	702275	702286
ID FROM REPORT -->	512SB00701	512SB00801	512SB00901	513SB00101	513SB00102	513SB00201
SAMPLE DATE ----->	06/28/95	06/28/95	06/28/95	04/12/95	04/12/95	04/12/95
DATE EXTRACTED -->	07/05/95	07/05/95	07/05/95	04/25/95	04/25/95	04/25/95
DATE ANALYZED --->	07/21/95	07/21/95	07/21/95	04/26/95	04/26/95	04/26/95
MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
UNITS ----------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0021S	VAL	0021S	VAL	0021S	VAL	0006S	VAL	0006S	VAL	0006S	VAL
62-75-9	N-Nitrosodimethylamine	750.	U	760.	U	750.	U	720.	U	680.	U	740.	U
110-86-1	Pyridine	620.	U	630.	U	620.	U	600.	U	570.	U	610.	U
123-63-7	Paraldehyde	410.	U	410.	U	410.	U	390.	U	370.	U	400.	U
97-63-2	Ethyl methacrylate	670.	U	680.	U	670.	U	640.	U	610.	U	660.	U
109-06-8	2-Picoline	1400.	U	1400.	U	1400.	U	1300.	U	1200.	U	1300.	U
10595-95-6	N-Nitrosomethylethylamine	610.	U	620.	U	610.	U	590.	U	560.	U	600.	U
66-27-3	Methyl methanesulfonate	790.	U	800.	U	790.	U	760.	U	720.	U	780.	U
55-18-5	N-Nitrosodiethylamine	680.	U	690.	U	680.	U	650.	U	620.	U	670.	U
62-50-0	Ethyl methanesulfonate	680.	U	690.	U	680.	U	650.	U	620.	U	670.	U
108-95-2	Phenol	650.	U	660.	U	650.	U	620.	U	590.	U	640.	U
62-53-3	Aniline	630.	U	640.	U	630.	U	610.	U	580.	U	620.	U
111-44-4	bis(2-Chloroethyl)ether	670.	U	680.	U	670.	U	640.	U	610.	U	660.	U
76-01-7	Pentachloroethane	940.	U	950.	U	940.	U	900.	U	860.	U	930.	U
95-57-8	2-Chlorophenol	710.	U	720.	U	710.	U	690.	U	650.	U	700.	U
541-73-1	1,3-Dichlorobenzene	580.	U	590.	U	580.	U	550.	U	530.	U	570.	U
100-44-7	Benzyl chloride	660.	U	670.	U	660.	U	630.	U	600.	U	650.	U
106-46-7	1,4-Dichlorobenzene	590.	U	600.	U	590.	U	570.	U	540.	U	580.	U
100-51-6	Benzyl alcohol	620.	U	630.	U	620.	U	600.	U	570.	U	610.	U
95-50-1	1,2-Dichlorobenzene	670.	U	680.	U	670.	U	640.	U	610.	U	660.	U
95-48-7	2-Methylphenol (o-Cresol)	740.	U	750.	U	740.	U	710.	U	670.	U	730.	U
39638-32-9	Bis(2-Chloroisopropyl)Ether	740.	U	750.	U	740.	U	710.	U	670.	U	730.	U
108-39-4	3-Methylphenol (m-Cresol)	1500.	U	1500.	U	1500.	U	1400.	U	1300.	U	1500.	U
106-44-5	4-Methylphenol (p-Cresol)	1500.	U	1500.	U	1500.	U	1400.	U	1300.	U	1500.	U
930-55-2	N-Nitrosopyrrolidine	600.	U	610.	U	600.	U	580.	U	550.	U	590.	U
621-64-7	N-Nitroso-di-n-propylamine	690.	U	700.	U	690.	U	660.	U	630.	U	680.	U
98-86-2	Acetophenone	750.	U	760.	U	750.	U	720.	U	680.	U	740.	U
59-89-2	N-Nitrosomorpholine	850.	U	860.	U	850.	U	820.	U	780.	U	840.	U
636-21-5	o-Toluidine hydrochloride	2300.	U	2300.	U	2300.	U	2200.	U	2100.	U	2200.	U
67-72-1	Hexachloroethane	680.	U	690.	U	680.	U	650.	U	620.	U	670.	U
98-95-3	Nitrobenzene	770.	U	780.	U	770.	U	740.	U	700.	U	760.	U
100-75-4	N-Nitrosopiperidine	840.	U	850.	U	840.	U	810.	U	770.	U	830.	U
78-59-1	Isophorone	770.	U	780.	U	770.	U	740.	U	700.	U	760.	U
88-75-5	2-Nitrophenol	700.	U	710.	U	700.	U	670.	U	640.	U	690.	U
105-67-9	2,4-Dimethylphenol	690.	U	700.	U	690.	U	660.	U	630.	U	680.	U
108-70-3	1,3,5-Trichlorobenzene	690.	U	700.	U	690.	U	660.	U	630.	U	680.	U
98-87-3	Benzal chloride	600.	U	610.	U	600.	U	580.	U	550.	U	590.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	512-S-B007-01	512-S-B008-01	512-S-B009-01	513-S-B001-01	513-S-B001-02	513-S-B002-01
	ORIGINAL ID ----->	512SB00701	512SB00801	512SB00901	513SB00101	513SB00102	513SB00201
	LAB SAMPLE ID --->	736791	736792	736793	702266	702275	702286
	ID FROM REPORT -->	512SB00701	512SB00801	512SB00901	513SB00101	513SB00102	513SB00201
	SAMPLE DATE ----->	06/28/95	06/28/95	06/28/95	04/12/95	04/12/95	04/12/95
	DATE EXTRACTED -->	07/05/95	07/05/95	07/05/95	04/25/95	04/25/95	04/25/95
	DATE ANALYZED --->	07/21/95	07/21/95	07/21/95	04/26/95	04/26/95	04/26/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0021S	VAL	0021S	VAL	0021S	VAL	0006S	VAL	0006S	VAL	0006S	VAL
126-68-1	O,O,O-Triethylphosphorothioate	6000.	U	6100.	U	6000.	U	5800.	U	5500.	U	5900.	U
65-85-0	Benzoic acid	2200.	U	2200.	U	2200.	U	2100.	U	2000.	U	2100.	U
111-91-1	bis(2-Chloroethoxy)methane	760.	U	770.	U	760.	U	730.	U	690.	U	750.	U
120-83-2	2,4-Dichlorophenol	620.	U	630.	U	620.	U	600.	U	570.	U	610.	U
120-82-1	1,2,4-Trichlorobenzene	620.	U	630.	U	620.	U	600.	U	570.	U	610.	U
91-20-3	Naphthalene	750.	U	760.	U	750.	U	720.	U	680.	U	740.	U
106-47-8	4-Chloroaniline	780.	U	790.	U	780.	U	750.	U	710.	U	770.	U
87-65-0	2,6-Dichlorophenol	1400.	U	1400.	U	1400.	U	1300.	U	1200.	U	1300.	U
1888-71-7	Hexachloropropene	650.	U	660.	U	650.	U	620.	U	590.	U	640.	U
87-68-3	Hexachlorobutadiene	630.	U	640.	U	630.	U	610.	U	580.	U	620.	U
87-61-6	1,2,3-Trichlorobenzene	680.	U	690.	U	680.	U	650.	U	620.	U	670.	U
98-07-7	Benzotrichloride	700.	U	710.	U	700.	U	670.	U	640.	U	690.	U
924-16-3	N-Nitroso-di-n-butylamine	1600.	U	1600.	U	1600.	U	1500.	U	1400.	U	1600.	U
59-50-7	4-Chloro-3-methylphenol	850.	U	860.	U	850.	U	820.	U	780.	U	840.	U
94-59-7	Safrole	660.	U	670.	U	660.	U	630.	U	600.	U	650.	U
91-57-6	2-Methylnaphthalene	950.	U	970.	U	950.	U	910.	U	870.	U	940.	U
90-12-0	1-Methyl naphthalene	1200.	U	1300.	U	1200.	U	1200.	U	1100.	U	1200.	U
77-47-4	Hexachlorocyclopentadiene	750.	U	760.	U	750.	U	720.	U	680.	U	740.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	1500.	U	1500.	U	1500.	U	1400.	U	1300.	U	1500.	U
634-90-2	1,2,3,5-Tetrachlorobenzene	1500.	U	1500.	U	1500.	U	1400.	U	1300.	U	1500.	U
88-06-2	2,4,6-Trichlorophenol	1500.	U	1500.	U	1500.	U	1400.	U	1300.	U	1500.	U
95-95-4	2,4,5-Trichlorophenol	1500.	U	1500.	U	1500.	U	1400.	U	1300.	U	1500.	U
120-58-1	Isosafrole	1500.	U	1500.	U	1500.	U	1400.	U	1300.	U	1500.	U
634-66-2	1,2,3,4-Tetrachlorobenzene	720.	U	740.	U	720.	U	700.	U	660.	U	710.	U
91-58-7	2-Chloronaphthalene	1100.	U	1100.	U	1100.	U	1100.	U	1000.	U	1100.	U
90-13-1	1-Chloronaphthalene	1400.	U	1400.	U	1400.	U	1300.	U	1200.	U	1300.	U
88-74-4	2-Nitroaniline	1200.	U	1300.	U	1200.	U	1200.	U	1100.	U	1200.	U
130-15-4	1,4-Naphthoquinone	1800.	U	1800.	U	1800.	U	1700.	U	1700.	U	1800.	U
131-11-3	Dimethyl phthalate	1100.	U	1100.	U	1100.	U	1100.	U	1000.	U	1100.	U
99-65-0	1,3-Dinitrobenzene	630.	U	640.	U	630.	U	610.	U	580.	U	620.	U
606-20-2	2,6-Dinitrotoluene	850.	U	860.	U	850.	U	820.	U	780.	U	840.	U
208-96-8	Acenaphthylene	760.	U	770.	U	760.	U	730.	U	690.	U	750.	U
99-09-2	3-Nitroaniline	780.	U	790.	U	780.	U	750.	U	710.	U	770.	U
83-32-9	Acenaphthene	750.	U	760.	U	750.	U	720.	U	680.	U	740.	U
51-28-5	2,4-Dinitrophenol	1900.	U	2000.	U	1900.	U	1800.	U	1800.	U	1900.	U
100-02-7	4-Nitrophenol	5100.	U	5200.	U	5100.	U	4900.	U	4700.	U	5000.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------>	512-S-B007-01	512-S-B008-01	512-S-B009-01	513-S-B001-01	513-S-B001-02	513-S-B002-01
	ORIGINAL ID ----->	512SB00701	512SB00801	512SB00901	513SB00101	513SB00102	513SB00201
	LAB SAMPLE ID --->	736791	736792	736793	702266	702275	702286
	ID FROM REPORT -->	512SB00701	512SB00801	512SB00901	513SB00101	513SB00102	513SB00201
	SAMPLE DATE ----->	06/28/95	06/28/95	06/28/95	04/12/95	04/12/95	04/12/95
	DATE EXTRACTED -->	07/05/95	07/05/95	07/05/95	04/25/95	04/25/95	04/25/95
	DATE ANALYZED --->	07/21/95	07/21/95	07/21/95	04/26/95	04/26/95	04/26/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ----------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0021S	VAL	0021S	VAL	0021S	VAL	0006S	VAL	0006S	VAL	0006S	VAL
608-93-5	Pentachlorobenzene	750.	U	760.	U	750.	U	720.	U	680.	U	740.	U
121-14-2	2,4-Dinitrotoluene	750.	U	760.	U	750.	U	720.	U	680.	U	740.	U
132-64-9	Dibenzofuran	780.	U	790.	U	780.	U	750.	U	710.	U	770.	U
91-59-8	2-Naphthylamine	970.	U	990.	U	970.	U	940.	U	890.	U	960.	U
58-90-2	2,3,4,6-Tetrachlorophenol	1600.	U	1600.	U	1600.	U	1500.	U	1400.	U	1600.	U
134-32-7	1-Naphthylamine	1600.	U	1600.	U	1600.	U	1500.	U	1400.	U	1600.	U
84-66-2	Diethylphthalate	820.	U	830.	U	820.	U	780.	U	750.	U	800.	U
297-97-2	Thionazin	760.	U	770.	U	760.	U	730.	U	690.	U	750.	U
7005-72-3	4-Chlorophenylphenylether	680.	U	690.	U	680.	U	650.	U	620.	U	670.	U
99-55-8	5-Nitro-o-toluidine	1100.	U	1100.	U	1100.	U	1100.	U	1000.	U	1100.	U
86-73-7	Fluorene	780.	U	790.	U	780.	U	750.	U	710.	U	770.	U
100-01-6	4-Nitroaniline	1200.	U	1300.	U	1200.	U	1200.	U	1100.	U	1200.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	2000.	U	2100.	U	2000.	U	2000.	U	1900.	U	2000.	U
86-30-6	N-Nitrosodiphenylamine	1600.	U	1600.	U	1600.	U	1500.	U	1400.	U	1600.	U
122-39-4	Diphenylamine	1600.	U	1600.	U	1600.	U	1500.	U	1400.	U	1600.	U
122-66-7	Hydrazine, 1,2-diphenyl	780.	U	790.	U	780.	U	750.	U	710.	U	770.	U
99-35-4	1,3,5-Trinitrobenzene	1000.	U	1000.	U	1000.	U	990.	U	940.	U	1000.	U
2303-16-4	Diallate	750.	U	760.	U	750.	U	720.	U	680.	U	740.	U
62-44-2	Phenacetin	690.	U	700.	U	690.	U	660.	U	630.	U	680.	U
101-55-3	4-Bromophenyl-phenylether	850.	U	860.	U	850.	U	820.	U	780.	U	840.	U
118-74-1	Hexachlorobenzene	870.	U	880.	U	870.	U	840.	U	800.	U	860.	U
60-51-5	Dimethoate	750.	U	760.	U	750.	U	720.	U	680.	U	740.	U
92-67-1	4-Aminobiphenyl	460.	U	470.	U	460.	U	450.	U	420.	U	460.	U
87-86-5	Pentachlorophenol	1600.	U	1600.	U	1600.	U	1500.	U	1400.	U	1600.	U
23950-58-5	Pronamide	740.	U	750.	U	740.	U	710.	U	670.	U	730.	U
82-68-8	Pentachloronitrobenzene	720.	U	740.	U	720.	U	700.	U	660.	U	710.	U
85-01-8	Phenanthrene	110.	J	710.	U	700.	U	670.	U	640.	U	690.	U
120-12-7	Anthracene	840.	U	850.	U	840.	U	810.	U	770.	U	830.	U
84-74-2	Di-n-butylphthalate	870.	U	880.	U	870.	U	840.	U	38.	J	50.	J
56-57-5	4-Nitroquinoline 1-oxide	5400.	UR	5500.	UR	5400.	UR	5200.	UR	5000.	UR	5400.	UR
91-80-5	Methapyrilene	1500.	U	1500.	U	1500.	U	1400.	U	1300.	U	1500.	U
6055-19-2	Cyclophosphamide Hydrate	710.	UR	720.	UR	710.	UR	690.	U	650.	U	700.	U
465-73-6	Isodrin	1000.	U	1100.	U	1000.	U	1000.	U	950.	U	1000.	U
206-44-0	Fluoranthene	240.	J	1100.	U	1000.	U	1000.	U	950.	U	1000.	U
92-87-5	Benzidine	1800.	U	1800.	U	1800.	U	1700.	U	1700.	U	1800.	U
129-00-0	Pyrene	210.	J	840.	U	830.	U	790.	U	760.	U	810.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	512-S-B007-01	512-S-B008-01	512-S-B009-01	513-S-B001-01	513-S-B001-02	513-S-B002-01
	ORIGINAL ID ----->	512SB00701	512SB00801	512SB00901	513SB00101	513SB00102	513SB00201
	LAB SAMPLE ID --->	736791	736792	736793	702266	702275	702286
	ID FROM REPORT -->	512SB00701	512SB00801	512SB00901	513SB00101	513SB00102	513SB00201
	SAMPLE DATE ----->	06/28/95	06/28/95	06/28/95	04/12/95	04/12/95	04/12/95
	DATE EXTRACTED -->	07/05/95	07/05/95	07/05/95	04/25/95	04/25/95	04/25/95
	DATE ANALYZED --->	07/21/95	07/21/95	07/21/95	04/26/95	04/26/95	04/26/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0021S	VAL	0021S	VAL	0021S	VAL	0006S	VAL	0006S	VAL	0006S	VAL
140-57-8	Aramite	750.	U	760.	U	750.	U	720.	U	680.	U	740.	U
60-11-7	p-(Dimethylamino)azobenzene	760.	U	770.	U	760.	U	730.	U	690.	U	750.	U
510-15-6	Chlorobenzilate	800.	U	820.	U	800.	U	770.	U	740.	U	790.	U
52-85-7	Famphur	2300.	UJ	2300.	UJ	2300.	UJ	2200.	U	2100.	U	2200.	U
85-68-7	Butylbenzylphthalate	770.	U	780.	U	770.	U	740.	U	700.	U	760.	U
119-93-7	3,3-Dimethylbenzidine	1100.	U	1100.	U	1100.	U	1100.	U	1000.	U	1100.	U
53-96-3	Acetamidofluorene	800.	U	820.	U	800.	U	770.	U	740.	U	790.	U
119-90-4	3,3'-Dimethoxybenzidine	1100.	U	1100.	U	1100.	U	1100.	U	1000.	U	1100.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	850.	U	860.	U	850.	U	820.	U	780.	U	840.	U
101-14-4	Benzenamine, 4,4'-methylenebis[2chloro-	510.	U	520.	U	510.	U	490.	U	470.	U	500.	U
91-94-1	3,3'-Dichlorobenzidine	570.	U	570.	U	570.	U	540.	U	520.	U	560.	U
56-55-3	Benzo(a)anthracene	140.	J	760.	U	750.	U	720.	U	680.	U	740.	U
218-01-9	Chrysene	170.	J	620.	U	610.	U	590.	U	560.	U	600.	U
117-84-0	Di-n-octyl phthalate	540.	U	550.	U	540.	U	520.	U	500.	U	540.	U
57-97-6	7,12-Dimethylbenz(a)anthracene	460.	U	470.	U	460.	U	450.	U	420.	U	460.	U
205-99-2	Benzo(b)fluoranthene	270.	J	880.	U	870.	U	840.	U	800.	U	860.	U
207-08-9	Benzo(k)fluoranthene	300.	J	710.	U	700.	U	670.	U	640.	U	690.	U
50-32-8	Benzo(a)pyrene	120.	J	760.	U	750.	U	720.	U	680.	U	740.	U
56-49-5	3-Methyl cholanthrene	690.	U	700.	U	690.	U	660.	U	630.	U	680.	U
224-42-0	Dibenz(a,j)acridine	460.	U	470.	U	460.	U	450.	U	420.	U	460.	U
193-39-5	Indeno(1,2,3-cd)pyrene	60.	J	530.	U	520.	U	500.	U	480.	U	510.	U
53-70-3	Dibenz(a,h)anthracene	490.	U	490.	U	490.	U	470.	U	450.	U	480.	U
191-24-2	Benzo(g,h,i)perylene	66.	J	710.	U	700.	U	670.	U	640.	U	690.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

SW846-SVOA	SAMPLE ID ------->	513-S-B002-02		513-C-B002-02		513-S-B003-01		513-S-B003-02		513-S-B004-01		513-S-B004-02	
	ORIGINAL ID ----->	513SB00202		513CB00202		513SB00301		513SB00302		513SB00401		513SB00402	
	LAB SAMPLE ID --->	702302		702403		702312		702325		702333		702338	
	ID FROM REPORT -->	513SB00202		513CB00202		513SB00301		513SB00302		513SB00401		513SB00402	
	SAMPLE DATE ----->	04/12/95		04/12/95		04/12/95		04/12/95		04/12/95		04/12/95	
	DATE EXTRACTED -->	04/25/95		04/20/95		04/25/95		04/25/95		04/25/95		04/25/95	
	DATE ANALYZED --->	04/26/95		04/23/95		04/26/95		04/26/95		04/26/95		04/26/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0006S	VAL	0010S	VAL	0006S	VAL	0006S	VAL	0006S	VAL	0006S	VAL
62-75-9	N-Nitrosodimethylamine	750.	U	690.	UJ	710.	U	700.	U	700.	U	690.	U
110-86-1	Pyridine	620.	U	580.	U	590.	U	580.	U	590.	U	570.	U
123-63-7	Paraldehyde	410.	U	380.	U	390.	U	380.	U	380.	U	380.	U
97-63-2	Ethyl methacrylate	670.	U	620.	U	630.	U	620.	U	630.	U	610.	U
109-06-8	2-Picoline	1400.	U	1300.	U	1300.	U	1300.	U	1300.	U	1300.	U
10595-95-6	N-Nitrosomethylethylamine	610.	U	570.	U	580.	U	570.	U	570.	U	560.	U
66-27-3	Methyl methanesulfonate	790.	U	740.	U	750.	U	740.	U	750.	U	730.	U
55-18-5	N-Nitrosodiethylamine	680.	U	630.	U	640.	U	630.	U	640.	U	630.	U
62-50-0	Ethyl methanesulfonate	680.	U	630.	U	640.	U	630.	U	640.	U	630.	U
108-95-2	Phenol	650.	U	600.	U	610.	U	600.	U	610.	U	590.	U
62-53-3	Aniline	640.	U	590.	U	600.	U	590.	U	600.	U	580.	U
111-44-4	bis(2-Chloroethyl)ether	670.	U	620.	U	630.	U	620.	U	630.	U	610.	U
76-01-7	Pentachloroethane	940.	U	870.	U	890.	U	880.	U	880.	U	860.	U
95-57-8	2-Chlorophenol	710.	U	660.	U	680.	U	670.	U	670.	U	660.	U
541-73-1	1,3-Dichlorobenzene	580.	U	540.	U	550.	U	540.	U	540.	U	530.	U
100-44-7	Benzyl chloride	660.	U	610.	U	620.	U	610.	U	620.	U	600.	U
106-46-7	1,4-Dichlorobenzene	590.	U	550.	U	560.	U	550.	U	550.	U	540.	U
100-51-6	Benzyl alcohol	620.	U	580.	U	590.	U	580.	U	590.	U	570.	U
95-50-1	1,2-Dichlorobenzene	670.	U	620.	U	630.	U	620.	U	630.	U	610.	U
95-48-7	2-Methylphenol (o-Cresol)	740.	U	680.	U	700.	U	690.	U	690.	U	680.	U
39638-32-9	Bis(2-Chloroisopropyl)Ether	740.	U	680.	U	700.	U	690.	U	690.	U	680.	U
108-39-4	3-Methylphenol (m-Cresol)	1500.	U	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U
106-44-5	4-Methylphenol (p-Cresol)	1500.	U	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U
930-55-2	N-Nitrosopyrrolidine	600.	U	560.	U	570.	U	560.	U	560.	U	550.	U
621-64-7	N-Nitroso-di-n-propylamine	690.	U	640.	U	650.	U	640.	U	650.	U	640.	U
98-86-2	Acetophenone	750.	U	690.	U	710.	U	700.	U	700.	U	690.	U
59-89-2	N-Nitrosomorpholine	850.	U	790.	U	800.	U	790.	U	800.	U	780.	U
636-21-5	o-Toluidine hydrochloride	2300.	U	2100.	U	2100.	U	2100.	U	2100.	U	2100.	U
67-72-1	Hexachloroethane	680.	U	630.	U	640.	U	630.	U	640.	U	630.	U
98-95-3	Nitrobenzene	770.	U	720.	U	730.	U	720.	U	720.	U	710.	U
100-75-4	N-Nitrosopiperidine	840.	U	780.	U	790.	U	780.	U	790.	U	770.	U
78-59-1	Isophorone	770.	U	720.	U	730.	U	720.	U	720.	U	710.	U
88-75-5	2-Nitrophenol	700.	U	650.	U	660.	U	660.	U	660.	U	650.	U
105-67-9	2,4-Dimethylphenol	690.	U	640.	U	650.	U	640.	U	650.	U	640.	U
108-70-3	1,3,5-Trichlorobenzene	690.	U	640.	U	650.	U	640.	U	650.	U	640.	U
98-87-3	Benzal chloride	600.	U	560.	U	570.	U	560.	U	560.	U	550.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	513-S-B002-02	513-C-B002-02	513-S-B003-01	513-S-B003-02	513-S-B004-01	513-S-B004-02
	ORIGINAL ID ----->	513SB00202	513CB00202	513SB00301	513SB00302	513SB00401	513SB00402
	LAB SAMPLE ID --->	702302	702403	702312	702325	702333	702338
	ID FROM REPORT -->	513SB00202	513CB00202	513SB00301	513SB00302	513SB00401	513SB00402
	SAMPLE DATE ----->	04/12/95	04/12/95	04/12/95	04/12/95	04/12/95	04/12/95
	DATE EXTRACTED -->	04/25/95	04/20/95	04/25/95	04/25/95	04/25/95	04/25/95
	DATE ANALYZED --->	04/26/95	04/23/95	04/26/95	04/26/95	04/26/95	04/26/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0006S	VAL	0010S	VAL	0006S	VAL	0006S	VAL	0006S	VAL	0006S	VAL
126-68-1	O,O,O-Triethylphosphorothioate	6000.	U	5600.	U	5700.	U	5600.	U	5600.	U	5500.	U
65-85-0	Benzoic acid	2200.	U	2000.	U	2000.	U	2000.	U	2000.	U	2000.	U
111-91-1	bis(2-Chloroethoxy)methane	760.	U	710.	U	720.	U	710.	U	710.	U	700.	U
120-83-2	2,4-Dichlorophenol	620.	U	580.	U	590.	U	580.	U	590.	U	570.	U
120-82-1	1,2,4-Trichlorobenzene	620.	U	580.	U	590.	U	580.	U	590.	U	570.	U
91-20-3	Naphthalene	750.	U	690.	U	710.	U	700.	U	700.	U	690.	U
106-47-8	4-Chloroaniline	780.	U	730.	U	740.	U	730.	U	730.	U	720.	U
87-65-0	2,6-Dichlorophenol	1400.	U	1300.	U	1300.	U	1300.	U	1300.	U	1300.	U
1888-71-7	Hexachloropropene	650.	U	600.	U	610.	U	600.	U	610.	U	590.	U
87-68-3	Hexachlorobutadiene	640.	U	590.	U	600.	U	590.	U	600.	U	580.	U
87-61-6	1,2,3-Trichlorobenzene	680.	U	630.	U	640.	U	630.	U	640.	U	630.	U
98-07-7	Benzotrichloride	700.	U	650.	U	660.	U	660.	U	660.	U	650.	U
924-16-3	N-Nitroso-di-n-butylamine	1600.	U	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U
59-50-7	4-Chloro-3-methylphenol	850.	U	790.	U	800.	U	790.	U	800.	U	780.	U
94-59-7	Safrole	660.	U	610.	U	620.	U	610.	U	620.	U	600.	U
91-57-6	2-Methylnaphthalene	950.	U	880.	U	900.	U	890.	U	890.	U	880.	U
90-12-0	1-Methyl naphthalene	1200.	U	1200.	U	1200.	U	1200.	U	1200.	U	1100.	U
77-47-4	Hexachlorocyclopentadiene	750.	U	690.	U	710.	U	700.	U	700.	U	690.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	1500.	U	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U
634-90-2	1,2,3,5-Tetrachlorobenzene	1500.	U	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U
88-06-2	2,4,6-Trichlorophenol	1500.	U	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U
95-95-4	2,4,5-Trichlorophenol	1500.	U	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U
120-58-1	Isosafrole	1500.	U	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U
634-66-2	1,2,3,4-Tetrachlorobenzene	730.	U	670.	U	690.	U	680.	U	680.	U	670.	U
91-58-7	2-Chloronaphthalene	1100.	U	1000.	U	1000.	U	1000.	U	1000.	U	1000.	U
90-13-1	1-Chloronaphthalene	1400.	U	1300.	U	1300.	U	1300.	U	1300.	U	1300.	U
88-74-4	2-Nitroaniline	1200.	U	1200.	UJ	1200.	U	1200.	U	1200.	U	1100.	U
130-15-4	1,4-Naphthoquinone	1800.	U	1700.	U	1700.	U	1700.	U	1700.	U	1700.	U
131-11-3	Dimethyl phthalate	1100.	U	1000.	U	1000.	U	1000.	U	1000.	U	1000.	U
99-65-0	1,3-Dinitrobenzene	640.	U	590.	U	600.	U	590.	U	600.	U	580.	U
606-20-2	2,6-Dinitrotoluene	850.	U	790.	U	800.	U	790.	U	800.	U	780.	U
208-96-8	Acenaphthylene	760.	U	710.	U	720.	U	710.	U	710.	U	700.	U
99-09-2	3-Nitroaniline	780.	U	730.	U	740.	U	730.	U	730.	U	720.	U
83-32-9	Acenaphthene	750.	U	690.	U	710.	U	700.	U	700.	U	690.	U
51-28-5	2,4-Dinitrophenol	1900.	U	1800.	U	1800.	U	1800.	U	1800.	U	1800.	U
100-02-7	4-Nitrophenol	5100.	U	4700.	UJ	4800.	U	4800.	U	4800.	U	4700.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	513-S-B002-02	513-C-B002-02	513-S-B003-01	513-S-B003-02	513-S-B004-01	513-S-B004-02
	ORIGINAL ID ----->	513SB00202	513CB00202	513SB00301	513SB00302	513SB00401	513SB00402
	LAB SAMPLE ID --->	702302	702403	702312	702325	702333	702338
	ID FROM REPORT -->	513SB00202	513CB00202	513SB00301	513SB00302	513SB00401	513SB00402
	SAMPLE DATE ----->	04/12/95	04/12/95	04/12/95	04/12/95	04/12/95	04/12/95
	DATE EXTRACTED -->	04/25/95	04/20/95	04/25/95	04/25/95	04/25/95	04/25/95
	DATE ANALYZED --->	04/26/95	04/23/95	04/26/95	04/26/95	04/26/95	04/26/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0006S	VAL	0010S	VAL	0006S	VAL	0006S	VAL	0006S	VAL	0006S	VAL
608-93-5	Pentachlorobenzene	750.	U	690.	U	710.	U	700.	U	700.	U	690.	U
121-14-2	2,4-Dinitrotoluene	750.	U	690.	U	710.	U	700.	U	700.	U	690.	U
132-64-9	Dibenzofuran	780.	U	730.	U	740.	U	730.	U	730.	U	720.	U
91-59-8	2-Naphthylamine	980.	U	910.	U	920.	U	910.	U	920.	U	900.	U
58-90-2	2,3,4,6-Tetrachlorophenol	1600.	U	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U
134-32-7	1-Naphthylamine	1600.	U	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U
84-66-2	Diethylphthalate	820.	U	760.	U	770.	U	760.	U	770.	U	750.	U
297-97-2	Thionazin	760.	U	710.	U	720.	U	710.	U	710.	U	700.	U
7005-72-3	4-Chlorophenylphenylether	680.	U	630.	U	640.	U	630.	U	640.	U	630.	U
99-55-8	5-Nitro-o-toluidine	1100.	U	1100.	U	1100.	U	1100.	U	1100.	U	1000.	U
86-73-7	Fluorene	780.	U	730.	U	740.	U	730.	U	730.	U	720.	U
100-01-6	4-Nitroaniline	1200.	U	1200.	U	1200.	U	1200.	U	1200.	U	1100.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	2000.	U	1900.	U	1900.	U	1900.	U	1900.	U	1900.	U
86-30-6	N-Nitrosodiphenylamine	1600.	U	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U
122-39-4	Diphenylamine	1600.	U	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U
122-66-7	Hydrazine, 1,2-diphenyl	780.	U	730.	U	740.	U	730.	U	730.	U	720.	U
99-35-4	1,3,5-Trinitrobenzene	1000.	U	960.	U	980.	U	960.	U	970.	U	950.	U
2303-16-4	Diallate	750.	U	690.	U	710.	U	700.	U	700.	U	690.	U
62-44-2	Phenacetin	690.	U	640.	U	650.	U	640.	U	650.	U	640.	U
101-55-3	4-Bromophenyl-phenylether	850.	U	96.	J	800.	U	790.	U	800.	U	780.	U
118-74-1	Hexachlorobenzene	870.	U	810.	U	830.	U	810.	U	820.	U	800.	U
60-51-5	Dimethoate	750.	U	690.	U	710.	U	700.	U	700.	U	690.	U
92-67-1	4-Aminobiphenyl	470.	U	430.	U	440.	U	430.	U	440.	U	430.	U
87-86-5	Pentachlorophenol	1600.	U	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U
23950-58-5	Pronamide	740.	U	680.	U	700.	U	690.	U	690.	U	680.	U
82-68-8	Pentachloronitrobenzene	730.	U	670.	U	690.	U	680.	U	680.	U	670.	U
85-01-8	Phenanthrene	700.	U	650.	U	43.	J	660.	U	660.	U	650.	U
120-12-7	Anthracene	840.	U	780.	U	790.	U	780.	U	790.	U	770.	U
84-74-2	Di-n-butylphthalate	100.	J	810.	U	39.	J	55.	J	50.	J	800.	U
56-57-5	4-Nitroquinoline 1-oxide	5400.	UR	5100.	U	5100.	UR	5100.	UR	5100.	UR	5000.	UR
91-80-5	Methapyrilene	1500.	U	1400.	UJ	1400.	U	1400.	U	1400.	U	1400.	U
6055-19-2	Cyclophosphamide Hydrate	710.	U	660.	UR	680.	U	670.	U	670.	U	660.	U
465-73-6	Isodrin	1000.	U	970.	U	990.	U	970.	U	980.	U	960.	U
206-44-0	Fluoranthene	1000.	U	970.	U	110.	J	970.	U	980.	U	960.	U
92-87-5	Benzidine	1800.	U	1700.	U	1700.	U	1700.	U	1700.	U	1700.	U
129-00-0	Pyrene	830.	U	770.	U	96.	J	770.	U	780.	U	760.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	513-S-B002-02	513-C-B002-02	513-S-B003-01	513-S-B003-02	513-S-B004-01	513-S-B004-02
	ORIGINAL ID ----->	513SB00202	513CB00202	513SB00301	513SB00302	513SB00401	513SB00402
	LAB SAMPLE ID --->	702302	702403	702312	702325	702333	702338
	ID FROM REPORT -->	513SB00202	513CB00202	513SB00301	513SB00302	513SB00401	513SB00402
	SAMPLE DATE ----->	04/12/95	04/12/95	04/12/95	04/12/95	04/12/95	04/12/95
	DATE EXTRACTED -->	04/25/95	04/20/95	04/25/95	04/25/95	04/25/95	04/25/95
	DATE ANALYZED --->	04/26/95	04/23/95	04/26/95	04/26/95	04/26/95	04/26/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ----------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0006S	VAL	0010S	VAL	0006S	VAL	0006S	VAL	0006S	VAL	0006S	VAL
140-57-8	Aramite	750.	U	690.	U	710.	U	700.	U	700.	U	690.	U
60-11-7	p-(Dimethylamino)azobenzene	760.	U	710.	U	720.	U	710.	U	710.	U	700.	U
510-15-6	Chlorobenzilate	810.	U	750.	U	760.	U	750.	U	760.	U	740.	U
52-85-7	Famphur	2300.	U	2100.	U	2100.	U	2100.	U	2100.	U	2100.	U
85-68-7	Butylbenzylphthalate	770.	U	720.	U	730.	U	720.	U	720.	U	710.	U
119-93-7	3,3-Dimethylbenzidine	1100.	U	1000.	U	1000.	U	1000.	U	1000.	U	1000.	U
53-96-3	Acetamidofluorene	810.	U	750.	U	760.	U	750.	U	760.	U	740.	U
119-90-4	3,3'-Dimethoxybenzidine	1100.	U	1000.	U	1000.	U	1000.	U	1000.	U	1000.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	850.	U	790.	U	800.	U	790.	U	800.	U	780.	U
101-14-4	Benzenamine, 4,4'-methylenebis[2chloro-	510.	U	470.	U	480.	U	480.	U	480.	U	470.	U
91-94-1	3,3'-Dichlorobenzidine	570.	U	530.	U	540.	U	530.	U	530.	U	520.	U
56-55-3	Benzo(a)anthracene	750.	U	690.	U	72.	J	700.	U	700.	U	690.	U
218-01-9	Chrysene	610.	U	570.	U	74.	J	570.	U	570.	U	560.	U
117-84-0	Di-n-octyl phthalate	540.	U	510.	U	510.	U	510.	U	510.	U	500.	U
57-97-6	7,12-Dimethylbenz(a)anthracene	470.	U	430.	U	440.	U	430.	U	440.	U	430.	U
205-99-2	Benzo(b)fluoranthene	870.	U	810.	U	120.	J	810.	U	820.	U	800.	U
207-08-9	Benzo(k)fluoranthene	700.	U	650.	U	150.	J	660.	U	660.	U	650.	U
50-32-8	Benzo(a)pyrene	750.	U	690.	U	67.	J	700.	U	700.	U	690.	U
56-49-5	3-Methyl cholanthrene	690.	U	640.	U	650.	U	640.	U	650.	U	640.	U
224-42-0	Dibenz(a,j)acridine	470.	U	430.	U	440.	U	430.	U	440.	U	430.	U
193-39-5	Indeno(1,2,3-cd)pyrene	520.	U	480.	U	490.	U	490.	U	490.	U	480.	U
53-70-3	Dibenz(a,h)anthracene	490.	U	450.	U	460.	U	450.	U	460.	U	450.	U
191-24-2	Benzo(g,h,i)perylene	700.	U	650.	U	660.	U	660.	U	660.	U	650.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	513-S-B005-01	513-S-B005-02	513-S-B006-01	513-S-B006-02	515-S-B001-01	515-S-B001-02
	ORIGINAL ID ----->	513SB00501	513SB00502	513SB00601	513SB00602	515SB00101	515SB00102
	LAB SAMPLE ID --->	702347	702356	702364	702377	704230	704242
	ID FROM REPORT -->	513SB00501	513SB00502	513SB00601	513SB00602	515SB00101	515SB00102
	SAMPLE DATE ----->	04/12/95	04/12/95	04/12/95	04/12/95	04/18/95	04/18/95
	DATE EXTRACTED -->	04/25/95	04/25/95	04/25/95	04/20/95	04/25/95	04/25/95
	DATE ANALYZED --->	04/26/95	04/26/95	04/26/95	04/22/95	05/04/95	05/03/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0006S	VAL	0006S	VAL	0006S	VAL	0010S	VAL	0012S	VAL	0012S	VAL
62-75-9	N-Nitrosodimethylamine	710.	U	690.	U	720.	U	690.	U	700.	U	690.	UJ
110-86-1	Pyridine	590.	U	570.	U	600.	U	580.	U	590.	U	580.	U
123-63-7	Paraldehyde	390.	U	380.	U	390.	U	380.	U	380.	U	380.	U
97-63-2	Ethyl methacrylate	640.	U	610.	U	640.	U	620.	U	630.	U	620.	U
109-06-8	2-Picoline	1300.	U	1300.	U	1300.	U	1300.	U	1300.	U	1300.	U
10595-95-6	N-Nitrosomethylethylamine	580.	U	560.	U	590.	U	570.	U	570.	U	560.	U
66-27-3	Methyl methanesulfonate	760.	U	730.	U	760.	U	740.	U	750.	U	730.	U
55-18-5	N-Nitrosodiethylamine	650.	U	630.	U	660.	U	630.	U	640.	U	630.	U
62-50-0	Ethyl methanesulfonate	650.	U	630.	U	660.	U	630.	U	640.	U	630.	U
108-95-2	Phenol	620.	U	590.	U	620.	U	600.	U	610.	U	600.	U
62-53-3	Aniline	600.	U	580.	U	610.	U	590.	U	600.	U	590.	U
111-44-4	bis(2-Chloroethyl)ether	640.	U	610.	U	640.	U	620.	U	630.	U	620.	U
76-01-7	Pentachloroethane	900.	U	860.	U	910.	U	870.	U	880.	U	870.	U
95-57-8	2-Chlorophenol	680.	U	660.	U	690.	U	660.	U	670.	U	660.	U
541-73-1	1,3-Dichlorobenzene	550.	U	530.	U	560.	U	540.	U	540.	U	530.	U
100-44-7	Benzyl chloride	630.	U	600.	U	630.	U	610.	U	620.	U	610.	U
106-46-7	1,4-Dichlorobenzene	560.	U	540.	U	570.	U	550.	U	550.	U	540.	U
100-51-6	Benzyl alcohol	590.	U	570.	U	600.	U	580.	U	590.	U	580.	U
95-50-1	1,2-Dichlorobenzene	640.	U	610.	U	640.	U	620.	U	630.	U	620.	U
95-48-7	2-Methylphenol (o-Cresol)	700.	U	680.	U	710.	U	680.	U	690.	U	680.	U
39638-32-9	Bis(2-Chloroisopropyl)Ether	700.	U	680.	U	710.	U	680.	U	690.	UJ	680.	UJ
108-39-4	3-Methylphenol (m-Cresol)	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U
106-44-5	4-Methylphenol (p-Cresol)	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U
930-55-2	N-Nitrosopyrrolidine	570.	U	550.	U	580.	U	560.	U	560.	U	550.	U
621-64-7	N-Nitroso-di-n-propylamine	660.	U	640.	U	670.	U	640.	U	650.	U	640.	U
98-86-2	Acetophenone	710.	U	690.	U	720.	U	690.	U	700.	U	690.	U
59-89-2	N-Nitrosomorpholine	810.	U	780.	U	820.	U	790.	U	800.	U	780.	U
636-21-5	o-Toluidine hydrochloride	2200.	U	2100.	U	2200.	U	2100.	U	2100.	U	2100.	U
67-72-1	Hexachloroethane	650.	U	630.	U	660.	U	630.	U	640.	U	630.	U
98-95-3	Nitrobenzene	730.	U	710.	U	740.	U	720.	U	720.	U	710.	U
100-75-4	N-Nitrosopiperidine	800.	U	770.	U	810.	U	780.	U	790.	U	770.	U
78-59-1	Isophorone	730.	U	710.	U	740.	U	720.	U	720.	U	710.	U
88-75-5	2-Nitrophenol	670.	U	650.	U	680.	U	650.	U	660.	U	650.	U
105-67-9	2,4-Dimethylphenol	660.	U	640.	U	670.	U	640.	U	650.	UJ	640.	U
108-70-3	1,3,5-Trichlorobenzene	660.	U	640.	U	670.	U	640.	U	650.	U	640.	U
98-87-3	Benzal chloride	570.	U	550.	U	580.	U	560.	U	560.	U	550.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------>	513-S-B005-01	513-S-B005-02	513-S-B006-01	513-S-B006-02	515-S-B001-01	515-S-B001-02
	ORIGINAL ID ----->	513SB00501	513SB00502	513SB00601	513SB00602	515SB00101	515SB00102
	LAB SAMPLE ID --->	702347	702356	702364	702377	704230	704242
	ID FROM REPORT -->	513SB00501	513SB00502	513SB00601	513SB00602	515SB00101	515SB00102
	SAMPLE DATE ----->	04/12/95	04/12/95	04/12/95	04/12/95	04/18/95	04/18/95
	DATE EXTRACTED -->	04/25/95	04/25/95	04/25/95	04/20/95	04/25/95	04/25/95
	DATE ANALYZED --->	04/26/95	04/26/95	04/26/95	04/22/95	05/04/95	05/03/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0006S	VAL	0006S	VAL	0006S	VAL	0010S	VAL	0012S	VAL	0012S	VAL
126-68-1	O,O,O-Triethylphosphorothioate	5700.	U	5500.	U	5800.	U	5600.	U	5600.	U	5500.	U
65-85-0	Benzoic acid	2100.	U	2000.	U	2100.	U	2000.	U	2000.	U	2000.	UJ
111-91-1	bis(2-Chloroethoxy)methane	720.	U	700.	U	730.	U	710.	U	710.	U	700.	U
120-83-2	2,4-Dichlorophenol	590.	U	570.	U	600.	U	580.	U	590.	U	580.	U
120-82-1	1,2,4-Trichlorobenzene	590.	U	570.	U	600.	U	580.	U	590.	U	580.	U
91-20-3	Naphthalene	710.	U	690.	U	720.	U	690.	U	700.	U	690.	U
106-47-8	4-Chloroaniline	740.	U	720.	U	750.	U	730.	U	730.	U	720.	U
87-65-0	2,6-Dichlorophenol	1300.	U	1300.	U	1300.	U	1300.	U	1300.	U	1300.	U
1888-71-7	Hexachloropropene	620.	U	590.	U	620.	U	600.	UJ	610.	U	600.	U
87-68-3	Hexachlorobutadiene	600.	U	580.	U	610.	U	590.	U	600.	U	590.	U
87-61-6	1,2,3-Trichlorobenzene	650.	U	630.	U	660.	U	630.	U	640.	U	630.	U
98-07-7	Benzotrichloride	670.	U	650.	U	680.	U	650.	U	660.	U	650.	U
924-16-3	N-Nitroso-di-n-butylamine	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U
59-50-7	4-Chloro-3-methylphenol	810.	U	780.	U	820.	U	790.	U	800.	U	780.	U
94-59-7	Safrole	630.	U	600.	U	630.	U	610.	U	620.	U	610.	U
91-57-6	2-Methylnaphthalene	910.	U	880.	U	920.	U	880.	U	890.	U	880.	U
90-12-0	1-Methyl naphthalene	1200.	U	1100.	U	1200.	U	1200.	U	1200.	U	1200.	U
77-47-4	Hexachlorocyclopentadiene	710.	U	690.	U	720.	U	690.	UJ	700.	U	690.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U
634-90-2	1,2,3,5-Tetrachlorobenzene	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U
88-06-2	2,4,6-Trichlorophenol	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U
95-95-4	2,4,5-Trichlorophenol	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U
120-58-1	Isosafrole	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U
634-66-2	1,2,3,4-Tetrachlorobenzene	690.	U	670.	U	700.	U	670.	U	680.	U	670.	U
91-58-7	2-Chloronaphthalene	1000.	U	1000.	U	1100.	U	1000.	U	1000.	U	1000.	U
90-13-1	1-Chloronaphthalene	1300.	U	1300.	U	1300.	U	1300.	U	1300.	U	1300.	U
88-74-4	2-Nitroaniline	1200.	U	1100.	U	1200.	U	1200.	U	1200.	U	1200.	U
130-15-4	1,4-Naphthoquinone	1700.	U	1700.	U	1700.	U	1700.	U	1700.	U	1700.	U
131-11-3	Dimethyl phthalate	1000.	U	1000.	U	1100.	U	1000.	U	1000.	U	1000.	U
99-65-0	1,3-Dinitrobenzene	600.	U	580.	U	610.	U	590.	U	600.	U	590.	U
606-20-2	2,6-Dinitrotoluene	810.	U	780.	U	820.	U	790.	U	800.	U	780.	U
208-96-8	Acenaphthylene	720.	U	700.	U	730.	U	710.	U	710.	U	700.	U
99-09-2	3-Nitroaniline	740.	U	720.	U	750.	U	730.	U	730.	U	720.	U
83-32-9	Acenaphthene	710.	U	690.	U	720.	U	690.	U	700.	U	690.	U
51-28-5	2,4-Dinitrophenol	1800.	U	1800.	U	1900.	U	1800.	U	1800.	U	1800.	U
100-02-7	4-Nitrophenol	4900.	U	4700.	U	4900.	U	4700.	U	4800.	UJ	4700.	U

*** Validation Complete ***

SW846-SVOA		513-S-B005-01		513-S-B005-02		513-S-B006-01		513-S-B006-02		515-S-B001-01		515-S-B001-02	
	SAMPLE ID -------->	513-S-B005-01		513-S-B005-02		513-S-B006-01		513-S-B006-02		515-S-B001-01		515-S-B001-02	
	ORIGINAL ID ----->	513SB00501		513SB00502		513SB00601		513SB00602		515SB00101		515SB00102	
	LAB SAMPLE ID --->	702347		702356		702364		702377		704230		704242	
	ID FROM REPORT -->	513SB00501		513SB00502		513SB00601		513SB00602		515SB00101		515SB00102	
	SAMPLE DATE ----->	04/12/95		04/12/95		04/12/95		04/12/95		04/18/95		04/18/95	
	DATE EXTRACTED -->	04/25/95		04/25/95		04/25/95		04/20/95		04/25/95		04/25/95	
	DATE ANALYZED --->	04/26/95		04/26/95		04/26/95		04/22/95		05/04/95		05/03/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0006S	VAL	0006S	VAL	0006S	VAL	0010S	VAL	0012S	VAL	0012S	VAL
608-93-5	Pentachlorobenzene	710.	U	690.	U	720.	U	690.	U	700.	U	690.	U
121-14-2	2,4-Dinitrotoluene	710.	U	690.	U	720.	U	690.	U	700.	U	690.	U
132-64-9	Dibenzofuran	740.	U	720.	U	750.	U	730.	U	730.	U	720.	U
91-59-8	2-Naphthylamine	930.	U	900.	U	940.	U	910.	U	920.	U	900.	U
58-90-2	2,3,4,6-Tetrachlorophenol	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U
134-32-7	1-Naphthylamine	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U
84-66-2	Diethylphthalate	780.	U	750.	U	790.	U	760.	U	770.	U	750.	U
297-97-2	Thionazin	720.	U	700.	U	730.	U	710.	U	710.	U	700.	U
7005-72-3	4-Chlorophenylphenylether	650.	U	630.	U	660.	U	630.	U	640.	U	630.	U
99-55-8	5-Nitro-o-toluidine	1100.	U	1000.	U	1100.	U	1100.	U	1100.	U	1000.	U
86-73-7	Fluorene	740.	U	720.	U	750.	U	730.	U	730.	U	720.	U
100-01-6	4-Nitroaniline	1200.	U	1100.	U	1200.	U	1200.	U	1200.	U	1200.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	1900.	U	1900.	U	2000.	U	1900.	U	1900.	U	1900.	U
86-30-6	N-Nitrosodiphenylamine	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U
122-39-4	Diphenylamine	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U
122-66-7	Hydrazine, 1,2-diphenyl	740.	U	720.	U	750.	U	730.	U	730.	U	720.	U
99-35-4	1,3,5-Trinitrobenzene	980.	U	950.	U	990.	U	960.	U	970.	U	950.	U
2303-16-4	Diallate	710.	U	690.	U	720.	U	690.	U	700.	U	690.	U
62-44-2	Phenacetin	660.	U	640.	U	670.	U	640.	U	650.	U	640.	U
101-55-3	4-Bromophenyl-phenylether	810.	U	780.	U	820.	U	790.	U	800.	U	780.	U
118-74-1	Hexachlorobenzene	830.	U	800.	U	840.	U	810.	U	820.	U	810.	U
60-51-5	Dimethoate	710.	U	690.	U	720.	U	690.	U	700.	U	690.	U
92-67-1	4-Aminobiphenyl	440.	U	430.	U	450.	U	430.	U	440.	U	430.	U
87-86-5	Pentachlorophenol	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U
23950-58-5	Pronamide	700.	U	680.	U	710.	U	680.	U	690.	UJ	680.	UJ
82-68-8	Pentachloronitrobenzene	690.	U	670.	U	700.	U	670.	U	680.	U	670.	U
85-01-8	Phenanthrene	670.	U	650.	U	680.	U	650.	U	81.	J	650.	U
120-12-7	Anthracene	800.	U	770.	U	810.	U	780.	U	790.	U	770.	U
84-74-2	Di-n-butylphthalate	45.	J	73.	J	44.	J	810.	U	820.	U	810.	U
56-57-5	4-Nitroquinoline 1-oxide	5200.	UR	5000.	UR	5200.	UR	5100.	U	5100.	UR	5000.	UR
91-80-5	Methapyrilene	1400.	U	1400.	U	1400.	U	1400.	U	1400.	UJ	1400.	U
6055-19-2	Cyclophosphamide Hydrate	680.	U	660.	U	690.	U	660.	UR	670.	UR	660.	UR
465-73-6	Isodrin	990.	U	960.	U	1000.	U	970.	U	980.	U	960.	U
206-44-0	Fluoranthene	990.	U	960.	U	100.	J	970.	U	190.	J	960.	U
92-87-5	Benzidine	1700.	U	1700.	U	1700.	U	1700.	U	1700.	U	1700.	U
129-00-0	Pyrene	790.	U	760.	U	110.	J	770.	U	190.	J	760.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA													
	SAMPLE ID ------>	513-S-B005-01		513-S-B005-02		513-S-B006-01		513-S-B006-02		515-S-B001-01		515-S-B001-02	
	ORIGINAL ID ----->	513SB00501		513SB00502		513SB00601		513SB00602		515SB00101		515SB00102	
	LAB SAMPLE ID --->	702347		702356		702364		702377		704230		704242	
	ID FROM REPORT -->	513SB00501		513SB00502		513SB00601		513SB00602		515SB00101		515SB00102	
	SAMPLE DATE ----->	04/12/95		04/12/95		04/12/95		04/12/95		04/18/95		04/18/95	
	DATE EXTRACTED -->	04/25/95		04/25/95		04/25/95		04/20/95		04/25/95		04/25/95	
	DATE ANALYZED --->	04/26/95		04/26/95		04/26/95		04/22/95		05/04/95		05/03/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0006S	VAL	0006S	VAL	0006S	VAL	0010S	VAL	0012S	VAL	0012S	VAL
140-57-8	Aramite	710.	U	690.	U	720.	U	690.	U	700.	U	690.	U
60-11-7	p-(Dimethylamino)azobenzene	720.	U	700.	U	730.	U	710.	U	710.	U	700.	U
510-15-6	Chlorobenzilate	770.	U	740.	U	780.	U	750.	U	760.	UJ	740.	U
52-85-7	Famphur	2200.	U	2100.	U	2200.	U	2100.	UR	2100.	UR	2100.	UJ
85-68-7	Butylbenzylphthalate	730.	U	710.	U	740.	U	720.	U	720.	U	710.	U
119-93-7	3,3-Dimethylbenzidine	1000.	U	1000.	U	1100.	U	1000.	U	1000.	U	1000.	U
53-96-3	Acetamidofluorene	770.	U	740.	U	780.	U	750.	U	760.	U	740.	U
119-90-4	3,3'-Dimethoxybenzidine	1000.	U	1000.	U	1100.	U	1000.	U	1000.	U	1000.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	810.	U	780.	U	820.	U	790.	U	800.	U	780.	U
101-14-4	Benzenamine, 4,4'-methylenebis[2chloro-	490.	U	470.	U	490.	U	470.	U	480.	U	470.	U
91-94-1	3,3'-Dichlorobenzidine	540.	U	520.	U	550.	U	530.	U	530.	U	520.	U
56-55-3	Benzo(a)anthracene	710.	U	690.	U	150.	J	690.	U	110.	J	690.	U
218-01-9	Chrysene	580.	U	560.	U	110.	J	570.	U	160.	J	560.	U
117-84-0	Di-n-octyl phthalate	520.	U	500.	U	520.	U	510.	U	510.	U	500.	U
57-97-6	7,12-Dimethylbenz(a)anthracene	440.	U	430.	U	450.	U	430.	U	440.	U	430.	U
205-99-2	Benzo(b)fluoranthene	830.	U	800.	U	260.	J	810.	U	230.	J	810.	U
207-08-9	Benzo(k)fluoranthene	670.	U	650.	U	330.	J	650.	U	240.	J	650.	U
50-32-8	Benzo(a)pyrene	710.	U	690.	U	720.	U	690.	U	700.	U	690.	U
56-49-5	3-Methyl cholanthrene	660.	U	640.	U	670.	U	640.	U	650.	U	640.	U
224-42-0	Dibenz(a,j)acridine	440.	U	430.	U	450.	U	430.	U	440.	UJ	430.	UJ
193-39-5	Indeno(1,2,3-cd)pyrene	500.	U	480.	U	500.	U	480.	U	490.	U	480.	U
53-70-3	Dibenz(a,h)anthracene	460.	U	450.	U	470.	U	450.	U	460.	U	450.	U
191-24-2	Benzo(g,h,i)perylene	670.	U	650.	U	680.	U	650.	U	660.	UJ	650.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	515-S-B002-01	515-S-B002-02	515-S-B003-01	515-S-B003-02	515-S-B004-01	515-S-B004-02
	ORIGINAL ID ----->	515SB00201	515SB00202	515SB00301	515SB00302	515SB00401	515SB00402
	LAB SAMPLE ID --->	704250	704275	704289	704314	704341	704362
	ID FROM REPORT -->	515SB00201	515SB00202	515SB00301	515SB00302	515SB00401	515SB00402
	SAMPLE DATE ----->	04/18/95	04/18/95	04/18/95	04/18/95	04/18/95	04/18/95
	DATE EXTRACTED -->	04/26/95	04/25/95	04/25/95	04/25/95	04/25/95	04/25/95
	DATE ANALYZED --->	04/26/95	05/03/95	05/03/95	05/03/95	05/03/95	05/03/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ----------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0015S	VAL	0012S	VAL	0012S	VAL	0012S	VAL	0012S	VAL	0012S	VAL
62-75-9	N-Nitrosodimethylamine	720.	U	690.	UJ	720.	UJ	690.	UJ	710.	UJ	830.	U
110-86-1	Pyridine	600.	U	570.	U	600.	U	580.	U	590.	U	690.	U
123-63-7	Paraldehyde	390.	U	380.	U	390.	U	380.	U	390.	U	450.	U
97-63-2	Ethyl methacrylate	640.	U	610.	U	640.	U	620.	U	640.	U	740.	U
109-06-8	2-Picoline	1300.	U	1300.	U	1300.	U	1300.	U	1300.	U	1500.	U
10595-95-6	N-Nitrosomethylethylamine	580.	U	560.	U	590.	U	560.	U	580.	U	680.	U
66-27-3	Methyl methanesulfonate	760.	U	730.	U	760.	U	730.	U	760.	U	880.	U
55-18-5	N-Nitrosodiethylamine	650.	U	630.	U	650.	U	630.	U	650.	U	750.	U
62-50-0	Ethyl methanesulfonate	650.	U	630.	U	650.	U	630.	U	650.	U	750.	U
108-95-2	Phenol	620.	U	590.	U	620.	U	600.	U	620.	U	720.	U
62-53-3	Aniline	610.	U	580.	U	610.	U	590.	U	600.	U	700.	U
111-44-4	bis(2-Chloroethyl)ether	640.	U	610.	U	640.	U	620.	U	640.	U	740.	U
76-01-7	Pentachloroethane	900.	U	860.	U	900.	U	870.	U	900.	U	1000.	U
95-57-8	2-Chlorophenol	680.	U	660.	U	690.	U	660.	U	680.	U	790.	U
541-73-1	1,3-Dichlorobenzene	550.	U	530.	U	550.	U	530.	U	550.	U	640.	U
100-44-7	Benzyl chloride	630.	UJ	600.	U	630.	U	610.	U	630.	U	730.	U
106-46-7	1,4-Dichlorobenzene	560.	U	540.	U	570.	U	540.	U	560.	U	650.	U
100-51-6	Benzyl alcohol	600.	U	570.	U	600.	U	580.	U	590.	U	690.	U
95-50-1	1,2-Dichlorobenzene	640.	U	610.	U	640.	U	620.	U	640.	U	740.	U
95-48-7	2-Methylphenol (o-Cresol)	700.	U	680.	U	710.	U	680.	U	700.	U	820.	U
39638-32-9	Bis(2-Chloroisopropyl)Ether	700.	U	680.	UJ	710.	UJ	680.	UJ	700.	UJ	820.	UJ
108-39-4	3-Methylphenol (m-Cresol)	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U	1600.	U
106-44-5	4-Methylphenol (p-Cresol)	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U	1600.	U
930-55-2	N-Nitrosopyrrolidine	570.	U	550.	U	580.	U	550.	U	570.	U	670.	U
621-64-7	N-Nitroso-di-n-propylamine	660.	U	640.	U	660.	U	640.	U	660.	U	770.	U
98-86-2	Acetophenone	720.	U	690.	U	720.	U	690.	U	710.	U	830.	U
59-89-2	N-Nitrosomorpholine	810.	U	780.	U	820.	U	780.	U	810.	U	940.	U
636-21-5	o-Toluidine hydrochloride	2200.	U	2100.	U	2200.	U	2100.	U	2200.	U	2500.	U
67-72-1	Hexachloroethane	650.	U	630.	U	650.	U	630.	U	650.	U	750.	U
98-95-3	Nitrobenzene	740.	U	710.	U	740.	U	710.	U	730.	U	860.	U
100-75-4	N-Nitrosopiperidine	800.	U	770.	U	810.	U	770.	U	800.	U	930.	U
78-59-1	Isophorone	740.	U	710.	U	740.	U	710.	U	730.	U	860.	U
88-75-5	2-Nitrophenol	670.	U	650.	U	670.	U	650.	U	670.	U	780.	U
105-67-9	2,4-Dimethylphenol	660.	U	640.	U	660.	U	640.	U	660.	U	770.	UJ
108-70-3	1,3,5-Trichlorobenzene	660.	U	640.	U	660.	U	640.	U	660.	U	770.	U
98-87-3	Benzal chloride	570.	U	550.	U	580.	U	550.	U	570.	U	670.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	515-S-B002-01	515-S-B002-02	515-S-B003-01	515-S-B003-02	515-S-B004-01	515-S-B004-02
	ORIGINAL ID ----->	515SB00201	515SB00202	515SB00301	515SB00302	515SB00401	515SB00402
	LAB SAMPLE ID --->	704250	704275	704289	704314	704341	704362
	ID FROM REPORT -->	515SB00201	515SB00202	515SB00301	515SB00302	515SB00401	515SB00402
	SAMPLE DATE ----->	04/18/95	04/18/95	04/18/95	04/18/95	04/18/95	04/18/95
	DATE EXTRACTED -->	04/26/95	04/25/95	04/25/95	04/25/95	04/25/95	04/25/95
	DATE ANALYZED --->	04/26/95	05/03/95	05/03/95	05/03/95	05/03/95	05/03/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0015S	VAL	0012S	VAL	0012S	VAL	0012S	VAL	0012S	VAL	0012S	VAL
126-68-1	O,O,O-Triethylphosphorothioate	5700.	U	5500.	U	5800.	U	5500.	U	5700.	U	6700.	U
65-85-0	Benzoic acid	2100.	UR	2000.	UJ	2100.	UJ	2000.	UJ	2100.	UJ	2400.	U
111-91-1	bis(2-Chloroethoxy)methane	730.	U	700.	U	730.	U	700.	U	720.	U	840.	U
120-83-2	2,4-Dichlorophenol	600.	U	570.	U	600.	U	580.	U	590.	U	690.	U
120-82-1	1,2,4-Trichlorobenzene	600.	U	570.	U	600.	U	580.	U	590.	U	690.	U
91-20-3	Naphthalene	720.	U	690.	U	720.	U	690.	U	710.	U	830.	U
106-47-8	4-Chloroaniline	750.	U	720.	U	750.	U	720.	U	740.	U	870.	U
87-65-0	2,6-Dichlorophenol	1300.	U	1300.	U	1300.	U	1300.	U	1300.	U	1500.	U
1888-71-7	Hexachloropropene	620.	U	590.	U	620.	U	600.	U	620.	U	720.	U
87-68-3	Hexachlorobutadiene	610.	U	580.	U	610.	U	590.	U	600.	U	700.	U
87-61-6	1,2,3-Trichlorobenzene	650.	U	630.	U	650.	U	630.	U	650.	U	750.	U
98-07-7	Benzotrichloride	670.	U	650.	U	670.	U	650.	U	670.	U	780.	U
924-16-3	N-Nitroso-di-n-butylamine	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U	1800.	U
59-50-7	4-Chloro-3-methylphenol	810.	U	780.	U	820.	U	780.	U	810.	U	940.	U
94-59-7	Safrole	630.	U	600.	U	630.	U	610.	U	630.	U	730.	U
91-57-6	2-Methylnaphthalene	910.	U	880.	U	910.	U	880.	U	910.	U	1100.	U
90-12-0	1-Methyl naphthalene	1200.	U	1100.	U	1200.	U	1200.	U	1200.	U	1400.	U
77-47-4	Hexachlorocyclopentadiene	720.	UJ	690.	U	720.	U	690.	U	710.	U	830.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U	1600.	U
634-90-2	1,2,3,5-Tetrachlorobenzene	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U	1600.	U
88-06-2	2,4,6-Trichlorophenol	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U	1600.	U
95-95-4	2,4,5-Trichlorophenol	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U	1600.	U
120-58-1	Isosafrole	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U	1600.	U
634-66-2	1,2,3,4-Tetrachlorobenzene	690.	U	670.	U	700.	U	670.	U	690.	U	800.	U
91-58-7	2-Chloronaphthalene	1100.	U	1000.	U	1100.	U	1000.	U	1000.	U	1200.	U
90-13-1	1-Chloronaphthalene	1300.	U	1300.	U	1300.	U	1300.	U	1300.	U	1500.	U
88-74-4	2-Nitroaniline	1200.	U	1100.	U	1200.	U	1200.	U	1200.	U	1400.	U
130-15-4	1,4-Naphthoquinone	1700.	U	1700.	U	1700.	U	1700.	U	1700.	U	2000.	U
131-11-3	Dimethyl phthalate	1100.	U	1000.	U	1100.	U	1000.	U	1000.	U	1200.	U
99-65-0	1,3-Dinitrobenzene	610.	U	580.	U	610.	U	590.	U	600.	U	700.	U
606-20-2	2,6-Dinitrotoluene	810.	U	780.	U	820.	U	780.	U	810.	U	940.	U
208-96-8	Acenaphthylene	730.	U	700.	U	730.	U	700.	U	720.	U	840.	U
99-09-2	3-Nitroaniline	750.	U	720.	U	750.	U	720.	U	740.	U	870.	U
83-32-9	Acenaphthene	720.	U	690.	U	720.	U	690.	U	710.	U	830.	U
51-28-5	2,4-Dinitrophenol	1800.	U	1800.	U	1800.	U	1800.	U	1800.	U	2100.	U
100-02-7	4-Nitrophenol	4900.	U	4700.	U	4900.	U	4700.	U	4900.	U	5700.	UJ

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA												
	SAMPLE ID ------>	515-S-B002-01		515-S-B002-02		515-S-B003-01		515-S-B003-02		515-S-B004-01		515-S-B004-02	
	ORIGINAL ID ----->	515SB00201		515SB00202		515SB00301		515SB00302		515SB00401		515SB00402	
	LAB SAMPLE ID --->	704250		704275		704289		704314		704341		704362	
	ID FROM REPORT -->	515SB00201		515SB00202		515SB00301		515SB00302		515SB00401		515SB00402	
	SAMPLE DATE ----->	04/18/95		04/18/95		04/18/95		04/18/95		04/18/95		04/18/95	
	DATE EXTRACTED -->	04/26/95		04/25/95		04/25/95		04/25/95		04/25/95		04/25/95	
	DATE ANALYZED --->	04/26/95		05/03/95		05/03/95		05/03/95		05/03/95		05/03/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0015S	VAL	0012S	VAL	0012S	VAL	0012S	VAL	0012S	VAL	0012S	VAL
608-93-5	Pentachlorobenzene	720.	U	690.	U	720.	U	690.	U	710.	U	830.	U
121-14-2	2,4-Dinitrotoluene	720.	U	690.	U	720.	U	690.	U	710.	U	830.	U
132-64-9	Dibenzofuran	750.	U	720.	U	750.	U	720.	U	740.	U	870.	U
91-59-8	2-Naphthylamine	930.	U	900.	U	940.	U	900.	U	930.	U	1100.	U
58-90-2	2,3,4,6-Tetrachlorophenol	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U	1800.	U
134-32-7	1-Naphthylamine	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U	1800.	U
84-66-2	Diethylphthalate	780.	U	750.	U	780.	U	750.	U	780.	U	910.	U
297-97-2	Thionazin	730.	U	700.	U	730.	U	700.	U	720.	U	840.	U
7005-72-3	4-Chlorophenylphenylether	650.	UJ	630.	U	650.	U	630.	U	650.	U	750.	U
99-55-8	5-Nitro-o-toluidine	1100.	U	1000.	U	1100.	U	1000.	U	1100.	U	1300.	U
86-73-7	Fluorene	750.	U	720.	U	750.	U	720.	U	740.	U	870.	U
100-01-6	4-Nitroaniline	1200.	U	1100.	U	1200.	U	1200.	U	1200.	U	1400.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	2000.	U	1900.	U	2000.	U	1900.	U	1900.	U	2300.	U
86-30-6	N-Nitrosodiphenylamine	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U	1800.	U
122-39-4	Diphenylamine	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U	1800.	U
122-66-7	Hydrazine, 1,2-diphenyl	750.	U	720.	U	750.	U	720.	U	740.	U	870.	U
99-35-4	1,3,5-Trinitrobenzene	990.	U	950.	U	990.	U	950.	U	980.	U	1100.	U
2303-16-4	Diallate	720.	U	690.	U	720.	U	690.	U	710.	U	830.	U
62-44-2	Phenacetin	660.	U	640.	U	660.	U	640.	U	660.	U	770.	U
101-55-3	4-Bromophenyl-phenylether	810.	U	780.	U	820.	U	780.	U	810.	U	940.	U
118-74-1	Hexachlorobenzene	830.	U	800.	U	840.	U	810.	U	830.	U	970.	U
60-51-5	Dimethoate	720.	U	690.	U	720.	U	690.	U	710.	U	830.	U
92-67-1	4-Aminobiphenyl	440.	U	430.	U	450.	U	430.	U	440.	U	520.	U
87-86-5	Pentachlorophenol	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U	1800.	U
23950-58-5	Pronamide	700.	U	680.	UJ	710.	UJ	680.	UJ	700.	UJ	820.	UJ
82-68-8	Pentachloronitrobenzene	690.	U	670.	U	700.	U	670.	U	690.	U	800.	U
85-01-8	Phenanthrene	670.	U	650.	U	290.	J	650.	U	670.	U	780.	U
120-12-7	Anthracene	800.	U	770.	U	55.	J	770.	U	800.	U	930.	U
84-74-2	Di-n-butylphthalate	830.	U	800.	U	840.	U	810.	U	810.	U	970.	U
56-57-5	4-Nitroquinoline 1-oxide	5200.	UR	5000.	UR	5200.	UR	5000.	UR	5200.	UR	6000.	UR
91-80-5	Methapyrilene	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U	1600.	UJ
6055-19-2	Cyclophosphamide Hydrate	680.	U	660.	UR	690.	UR	660.	UR	680.	UR	790.	UR
465-73-6	Isodrin	1000.	U	960.	U	1000.	U	960.	U	990.	U	1200.	U
206-44-0	Fluoranthene	52.	J	960.	U	450.	J	960.	U	990.	U	1200.	U
92-87-5	Benzidine	1700.	U	1700.	U	1700.	U	1700.	U	1700.	U	2000.	U
129-00-0	Pyrene	50.	J	760.	U	390.	J	760.	U	790.	U	920.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA													
	SAMPLE ID ------->	515-S-B002-01		515-S-B002-02		515-S-B003-01		515-S-B003-02		515-S-B004-01		515-S-B004-02	
	ORIGINAL ID ----->	515SB00201		515SB00202		515SB00301		515SB00302		515SB00401		515SB00402	
	LAB SAMPLE ID --->	704250		704275		704289		704314		704341		704362	
	ID FROM REPORT -->	515SB00201		515SB00202		515SB00301		515SB00302		515SB00401		515SB00402	
	SAMPLE DATE ----->	04/18/95		04/18/95		04/18/95		04/18/95		04/18/95		04/18/95	
	DATE EXTRACTED -->	04/26/95		04/25/95		04/25/95		04/25/95		04/25/95		04/25/95	
	DATE ANALYZED --->	04/26/95		05/03/95		05/03/95		05/03/95		05/03/95		05/03/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0015S	VAL	0012S	VAL	0012S	VAL	0012S	VAL	0012S	VAL	0012S	VAL
140-57-8	Aramite	720.	U	690.	U	720.	U	690.	U	710.	U	830.	U
60-11-7	p-(Dimethylamino)azobenzene	730.	U	700.	U	730.	U	700.	U	720.	U	840.	U
510-15-6	Chlorobenzilate	770.	U	740.	U	770.	U	740.	U	770.	U	890.	UJ
52-85-7	Famphur	2200.	UR	2100.	UJ	2200.	UJ	2100.	UJ	2200.	UJ	2500.	UR
85-68-7	Butylbenzylphthalate	740.	U	710.	U	740.	U	710.	U	730.	U	860.	U
119-93-7	3,3-Dimethylbenzidine	1100.	U	1000.	U	1100.	U	1000.	U	1000.	U	1200.	U
53-96-3	Acetamidofluorene	770.	U	740.	U	770.	U	740.	U	770.	U	890.	U
119-90-4	3,3'-Dimethoxybenzidine	1100.	U	1000.	U	1100.	U	1000.	U	1000.	U	1200.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	810.	U	780.	U	820.	U	780.	U	810.	U	940.	U
101-14-4	Benzenamine, 4,4'-methylenebis[2chloro-	490.	U	470.	U	490.	U	470.	U	490.	U	570.	U
91-94-1	3,3'-Dichlorobenzidine	540.	U	520.	U	540.	U	520.	U	540.	U	630.	U
56-55-3	Benzo(a)anthracene	43.	J	690.	U	200.	J	690.	U	710.	U	830.	U
218-01-9	Chrysene	49.	J	560.	U	220.	J	560.	U	580.	U	680.	U
117-84-0	Di-n-octyl phthalate	520.	U	500.	U	520.	U	500.	U	520.	U	600.	U
57-97-6	7,12-Dimethylbenz(a)anthracene	440.	U	430.	U	450.	U	430.	U	440.	U	520.	U
205-99-2	Benzo(b)fluoranthene	830.	U	800.	U	310.	J	810.	U	830.	U	970.	U
207-08-9	Benzo(k)fluoranthene	670.	U	650.	U	440.	J	650.	U	670.	U	780.	U
50-32-8	Benzo(a)pyrene	720.	U	690.	U	190.	J	690.	U	710.	U	830.	U
56-49-5	3-Methyl cholanthrene	660.	U	640.	U	660.	U	640.	U	660.	U	770.	U
224-42-0	Dibenz(a,j)acridine	440.	U	430.	UJ	450.	UJ	430.	UJ	440.	UJ	520.	UJ
193-39-5	Indeno(1,2,3-cd)pyrene	500.	U	480.	U	500.	U	480.	U	500.	U	580.	U
53-70-3	Dibenz(a,h)anthracene	470.	U	450.	U	470.	U	450.	U	460.	U	540.	U
191-24-2	Benzo(g,h,i)perylene	670.	U	650.	U	670.	U	650.	U	670.	U	780.	UJ
108-60-1	2,2'-oxybis(1-Chloropropane)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	515-S-B005-01 RE		515-S-B005-02		515-S-B006-01		515-S-B006-02		515-C-B006-02		515-S-B007-01	
	ORIGINAL ID ----->	515SB00501RE		515SB00502		515SB00601		515SB00602		515CB00602		515SB00701	
	LAB SAMPLE ID --->	704379RE		704385		704197		704203		704214		737593	
	ID FROM REPORT -->	515SB00501RE		515SB00502		515SB00601		515SB00602		515CB00602		515SB00701	
	SAMPLE DATE ----->	04/18/95		04/18/95		04/18/95		04/18/95		04/18/95		06/30/95	
	DATE EXTRACTED -->	05/05/95		04/25/95		04/25/95		04/25/95		04/25/95		07/07/95	
	DATE ANALYZED --->	05/05/95		05/03/95		05/03/95		05/04/95		05/03/95		07/21/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0012S	VAL	0012S	VAL	0012S	VAL	0012S	VAL	0012S	VAL	0022S	VAL
62-75-9	N-Nitrosodimethylamine	720.	UJ	700.	U	720.	UJ	700.	U	700.	UJ	740.	U
110-86-1	Pyridine	600.	UJ	580.	U	600.	U	580.	U	580.	U	620.	UJ
123-63-7	Paraldehyde	390.	UJ	380.	U	390.	U	380.	U	380.	U	400.	U
97-63-2	Ethyl methacrylate	650.	UJ	620.	U	640.	U	620.	U	620.	U	660.	U
109-06-8	2-Picoline	1300.	UJ	1300.	U	1300.	U	1300.	U	1300.	U	1300.	U
10595-95-6	N-Nitrosomethylethylamine	590.	UJ	570.	U	590.	U	570.	U	570.	U	610.	U
66-27-3	Methyl methanesulfonate	770.	UJ	740.	U	760.	U	740.	U	740.	U	790.	U
55-18-5	N-Nitrosodiethylamine	660.	UJ	630.	U	660.	U	630.	U	630.	U	670.	U
62-50-0	Ethyl methanesulfonate	660.	UJ	630.	U	660.	U	630.	U	630.	U	670.	U
108-95-2	Phenol	620.	UJ	600.	U	620.	U	600.	U	600.	U	640.	U
62-53-3	Aniline	610.	UJ	590.	U	610.	U	590.	U	590.	U	630.	U
111-44-4	bis(2-Chloroethyl)ether	650.	UJ	620.	U	640.	U	620.	U	620.	U	660.	U
76-01-7	Pentachloroethane	910.	UJ	880.	U	910.	U	880.	U	880.	U	930.	U
95-57-8	2-Chlorophenol	690.	UJ	670.	U	690.	U	670.	U	670.	U	710.	U
541-73-1	1,3-Dichlorobenzene	560.	UJ	540.	U	560.	U	540.	U	540.	U	570.	U
100-44-7	Benzyl chloride	640.	UJ	610.	U	630.	U	610.	U	610.	U	650.	U
106-46-7	1,4-Dichlorobenzene	570.	UJ	550.	U	570.	U	550.	U	550.	U	580.	U
100-51-6	Benzyl alcohol	600.	UJ	580.	U	600.	U	580.	U	580.	U	620.	U
95-50-1	1,2-Dichlorobenzene	650.	UJ	620.	U	640.	U	620.	U	620.	U	660.	U
95-48-7	2-Methylphenol (o-Cresol)	710.	UJ	690.	U	710.	U	690.	U	690.	U	730.	U
39638-32-9	Bis(2-Chloroisopropyl)Ether	710.	UJ	690.	UJ	710.	UJ	690.	UJ	690.	UJ	730.	U
108-39-4	3-Methylphenol (m-Cresol)	1400.	UJ	1400.	U	1400.	U	1400.	U	1400.	U	1500.	U
106-44-5	4-Methylphenol (p-Cresol)	1400.	UJ	1400.	U	1400.	U	1400.	U	1400.	U	1500.	U
930-55-2	N-Nitrosopyrrolidine	580.	UJ	560.	U	580.	U	560.	U	560.	U	600.	U
621-64-7	N-Nitroso-di-n-propylamine	670.	UJ	640.	U	670.	U	640.	U	640.	U	690.	U
98-86-2	Acetophenone	720.	UJ	700.	U	720.	U	700.	U	700.	U	740.	U
59-89-2	N-Nitrosomorpholine	820.	UJ	790.	U	820.	U	790.	U	790.	U	840.	U
636-21-5	o-Toluidine hydrochloride	2200.	UJ	2100.	U	2200.	U	2100.	U	2100.	U	2200.	U
67-72-1	Hexachloroethane	660.	UJ	630.	U	660.	U	630.	U	630.	U	670.	U
98-95-3	Nitrobenzene	740.	UJ	720.	U	740.	U	720.	U	720.	U	760.	U
100-75-4	N-Nitrosopiperidine	810.	UJ	780.	U	810.	U	780.	U	780.	U	830.	U
78-59-1	Isophorone	740.	UJ	720.	U	740.	U	720.	U	720.	U	760.	U
88-75-5	2-Nitrophenol	680.	UJ	660.	U	680.	U	660.	U	660.	U	700.	U
105-67-9	2,4-Dimethylphenol	670.	UJ	640.	UJ	670.	U	640.	UJ	640.	U	690.	U
108-70-3	1,3,5-Trichlorobenzene	670.	UJ	640.	U	670.	U	640.	U	640.	U	690.	U
98-87-3	Benzal chloride	580.	UJ	560.	U	580.	U	560.	U	560.	U	600.	UR

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	515-S-B005-01 RE		515-S-B005-02		515-S-B006-01		515-S-B006-02		515-C-B006-02		515-S-B007-01	
	ORIGINAL ID ----->	515SB00501RE		515SB00502		515SB00601		515SB00602		515CB00602		515SB00701	
	LAB SAMPLE ID --->	704379RE		704385		704197		704203		704214		737593	
	ID FROM REPORT -->	515SB00501RE		515SB00502		515SB00601		515SB00602		515CB00602		515SB00701	
	SAMPLE DATE ----->	04/18/95		04/18/95		04/18/95		04/18/95		04/18/95		06/30/95	
	DATE EXTRACTED -->	05/05/95		04/25/95		04/25/95		04/25/95		04/25/95		07/07/95	
	DATE ANALYZED --->	05/05/95		05/03/95		05/03/95		05/04/95		05/03/95		07/21/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0012S	VAL	0012S	VAL	0012S	VAL	0012S	VAL	0012S	VAL	0022S	VAL
126-68-1	O,O,O-Triethylphosphorothioate	5800.	UJ	5600.	U	5800.	U	5600.	U	5600.	U	6000.	U
65-85-0	Benzoic acid	2100.	UJ	2000.	U	2100.	UJ	2000.	U	2000.	UJ	2100.	UJ
111-91-1	bis(2-Chloroethoxy)methane	730.	UJ	710.	U	730.	U	710.	U	710.	U	750.	U
120-83-2	2,4-Dichlorophenol	600.	UJ	580.	U	600.	U	580.	U	580.	U	620.	U
120-82-1	1,2,4-Trichlorobenzene	600.	UJ	580.	U	600.	U	580.	U	580.	U	620.	U
91-20-3	Naphthalene	720.	UJ	700.	U	720.	U	700.	U	700.	U	740.	UJ
106-47-8	4-Chloroaniline	760.	UJ	730.	U	750.	U	730.	U	730.	U	780.	U
87-65-0	2,6-Dichlorophenol	1300.	UJ	1300.	U	1300.	U	1300.	U	1300.	U	1300.	U
1888-71-7	Hexachloropropene	620.	UJ	600.	U	620.	U	600.	U	600.	U	640.	U
87-68-3	Hexachlorobutadiene	610.	UJ	590.	U	610.	U	590.	U	590.	U	630.	U
87-61-6	1,2,3-Trichlorobenzene	660.	UJ	630.	U	660.	U	630.	U	630.	U	670.	U
98-07-7	Benzotrichloride	680.	UJ	660.	U	680.	U	660.	U	660.	U	700.	U
924-16-3	N-Nitroso-di-n-butylamine	1500.	UJ	1500.	U	1500.	U	1500.	U	1500.	U	1600.	U
59-50-7	4-Chloro-3-methylphenol	820.	UJ	790.	U	820.	U	790.	U	790.	U	840.	U
94-59-7	Safrole	640.	UJ	610.	U	630.	U	610.	U	610.	U	650.	U
91-57-6	2-Methylnaphthalene	920.	UJ	890.	U	920.	U	890.	U	890.	U	940.	U
90-12-0	1-Methyl naphthalene	1200.	UJ	1200.	U	1200.	U	1200.	U	1200..	U	1200.	U
77-47-4	Hexachlorocyclopentadiene	720.	UJ	700.	U	720.	U	700.	U	700.	U	740.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	1400.	UJ	1400.	U	1400.	U	1400.	U	1400.	U	1500.	U
634-90-2	1,2,3,5-Tetrachlorobenzene	1400.	UJ	1400.	U	1400.	U	1400.	U	1400.	U	1500.	U
88-06-2	2,4,6-Trichlorophenol	1400.	UJ	1400.	U	1400.	U	1400.	U	1400.	U	1500.	U
95-95-4	2,4,5-Trichlorophenol	1400.	UJ	1400.	U	1400.	U	1400.	U	1400.	U	1500.	U
120-58-1	Isosafrole	1400.	UJ	1400.	U	1400.	U	1400.	U	1400.	U	1500.	U
634-66-2	1,2,3,4-Tetrachlorobenzene	700.	UJ	680.	U	700.	U	680.	U	680.	U	720.	U
91-58-7	2-Chloronaphthalene	1100.	UJ	1000.	U	1100.	U	1000.	U	1000.	U	1100.	U
90-13-1	1-Chloronaphthalene	1300.	UJ	1300.	U	1300.	U	1300.	U	1300.	U	1300.	U
88-74-4	2-Nitroaniline	1200.	UJ	1200.	U	1200.	U	1200.	U	1200.	U	1200.	U
130-15-4	1,4-Naphthoquinone	1800.	UJ	1700.	U	1700.	U	1700.	U	1700.	U	1800.	U
131-11-3	Dimethyl phthalate	1100.	UJ	1000.	U	1100.	U	1000.	U	1000.	U	1100.	U
99-65-0	1,3-Dinitrobenzene	610.	UJ	590.	U	610.	U	590.	U	590.	U	630.	U
606-20-2	2,6-Dinitrotoluene	820.	UJ	790.	U	820.	U	790.	U	790.	U	840.	U
208-96-8	Acenaphthylene	730.	UJ	710.	U	730.	U	710.	U	710.	U	750.	U
99-09-2	3-Nitroaniline	760.	UJ	730.	U	750.	U	730.	U	730.	U	780.	U
83-32-9	Acenaphthene	720.	UJ	700.	U	720.	U	700.	U	700.	U	740.	U
51-28-5	2,4-Dinitrophenol	1900.	UJ	1800.	U	1900.	U	1800.	U	1800.	U	1900.	U
100-02-7	4-Nitrophenol	4900.	UJ	4800.	UJ	4900.	U	4800.	UJ	4800.	U	5100.	U

*** Validation Complete ***

SW846-SVOA		515-S-B005-01 RE		515-S-B005-02		515-S-B006-01		515-S-B006-02		515-C-B006-02		515-S-B007-01	
	ORIGINAL ID ----->	515SB00501RE		515SB00502		515SB00601		515SB00602		515CB00602		515SB00701	
	LAB SAMPLE ID --->	704379RE		704385		704197		704203		704214		737593	
	ID FROM REPORT -->	515SB00501RE		515SB00502		515SB00601		515SB00602		515CB00602		515SB00701	
	SAMPLE DATE ----->	04/18/95		04/18/95		04/18/95		04/18/95		04/18/95		06/30/95	
	DATE EXTRACTED -->	05/05/95		04/25/95		04/25/95		04/25/95		04/25/95		07/07/95	
	DATE ANALYZED --->	05/05/95		05/03/95		05/03/95		05/04/95		05/03/95		07/21/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0012S	VAL	0012S	VAL	0012S	VAL	0012S	VAL	0012S	VAL	0022S	VAL
608-93-5	Pentachlorobenzene	720.	UJ	700.	U	720.	U	700.	U	700.	U	740.	U
121-14-2	2,4-Dinitrotoluene	720.	UJ	700.	U	720.	U	700.	U	700.	U	740.	U
132-64-9	Dibenzofuran	760.	UJ	730.	U	750.	U	730.	U	730.	U	780.	U
91-59-8	2-Naphthylamine	940.	UJ	910.	U	940.	U	910.	U	910.	U	970.	U
58-90-2	2,3,4,6-Tetrachlorophenol	1500.	UJ	1500.	U	1500.	U	1500.	U	1500.	U	1600.	U
134-32-7	1-Naphthylamine	1500.	UJ	1500.	U	1500.	U	1500.	U	1500.	U	1600.	U
84-66-2	Diethylphthalate	790.	UJ	760.	U	790.	U	760.	U	760.	U	810.	U
297-97-2	Thionazin	730.	UJ	710.	U	730.	U	710.	U	710.	U	750.	U
7005-72-3	4-Chlorophenylphenylether	660.	UJ	630.	U	660.	U	630.	U	630.	U	670.	U
99-55-8	5-Nitro-o-toluidine	1100.	UJ	1100.	U	1100.	U	1100.	U	1100.	U	1100.	U
86-73-7	Fluorene	760.	UJ	730.	U	750.	U	730.	U	730.	U	780.	U
100-01-6	4-Nitroaniline	1200.	UJ	1200.	U	1200.	U	1200.	U	1200.	U	1200.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	2000.	UJ	1900.	U	2000.	U	1900.	U	1900.	U	2000.	U
86-30-6	N-Nitrosodiphenylamine	1500.	UJ	1500.	U	1500.	U	1500.	U	1500.	U	1600.	U
122-39-4	Diphenylamine	1500.	UJ	1500.	U	1500.	U	1500.	U	1500.	U	1600.	U
122-66-7	Hydrazine, 1,2-diphenyl	760.	UJ	730.	U	750.	U	730.	U	730.	U	780.	U
99-35-4	1,3,5-Trinitrobenzene	1000.	UJ	960.	U	990.	U	960.	U	960.	U	1000.	U
2303-16-4	Diallate	720.	UJ	700.	U	720.	U	700.	U	700.	U	740.	U
62-44-2	Phenacetin	670.	UJ	640.	U	670.	U	640.	U	640.	U	690.	U
101-55-3	4-Bromophenyl-phenylether	820.	UJ	790.	U	820.	U	790.	U	790.	U	840.	U
118-74-1	Hexachlorobenzene	840.	UJ	810.	U	840.	U	810.	U	810.	U	870.	U
60-51-5	Dimethoate	720.	UJ	700.	U	720.	U	700.	U	700.	U	740.	U
92-67-1	4-Aminobiphenyl	450.	UJ	430.	U	450.	U	430.	U	430.	U	460.	U
87-86-5	Pentachlorophenol	1500.	UJ	1500.	U	1500.	U	1500.	U	1500.	U	1600.	U
23950-58-5	Pronamide	710.	UJ	690.	UJ	710.	UJ	690.	UJ	690.	UJ	730.	U
82-68-8	Pentachloronitrobenzene	700.	UJ	680.	U	700.	U	680.	U	680.	U	720.	U
85-01-8	Phenanthrene	63.	J	660.	U	680.	U	660.	U	660.	U	700.	U
120-12-7	Anthracene	810.	UJ	780.	U	810.	U	780.	U	780.	U	830.	U
84-74-2	Di-n-butylphthalate	840.	UJ	810.	U	840.	U	810.	U	810.	U	870.	U
56-57-5	4-Nitroquinoline 1-oxide	5300.	UR	5100.	UR	5200.	UR	5100.	UR	5100.	UR	5400.	UR
91-80-5	Methapyrilene	1400.	UJ	1400.	UJ	1400.	U	1400.	UJ	1400.	U	1500.	U
6055-19-2	Cyclophosphamide Hydrate	690.	UR	670.	UR	690.	UR	670.	UR	670.	UR	710.	UR
465-73-6	Isodrin	1000.	UJ	970.	U	1000.	U	970.	U	970.	U	1000.	U
206-44-0	Fluoranthene	120.	J	970.	U	100.	J	970.	U	970.	U	1000.	U
92-87-5	Benzidine	1800.	UJ	1700.	U	1700.	U	1700.	U	1700.	U	1800.	U
129-00-0	Pyrene	100.	J	770.	U	88.	J	770.	U	770.	U	820.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------>	515-S-B005-01 RE		515-S-B005-02		515-S-B006-01		515-S-B006-02		515-C-B006-02		515-S-B007-01	
	ORIGINAL ID ----->	515SB00501RE		515SB00502		515SB00601		515SB00602		515CB00602		515SB00701	
	LAB SAMPLE ID --->	704379RE		704385		704197		704203		704214		737593	
	ID FROM REPORT -->	515SB00501RE		515SB00502		515SB00601		515SB00602		515CB00602		515SB00701	
	SAMPLE DATE ----->	04/18/95		04/18/95		04/18/95		04/18/95		04/18/95		06/30/95	
	DATE EXTRACTED -->	05/05/95		04/25/95		04/25/95		04/25/95		04/25/95		07/07/95	
	DATE ANALYZED --->	05/05/95		05/03/95		05/03/95		05/04/95		05/03/95		07/21/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0012S	VAL	0012S	VAL	0012S	VAL	0012S	VAL	0012S	VAL	0022S	VAL
140-57-8	Aramite	720.	UJ	700.	U	720.	U	700.	U	700.	U	740.	UJ
60-11-7	p-(Dimethylamino)azobenzene	730.	UJ	710.	U	730.	U	710.	U	710.	U	750.	U
510-15-6	Chlorobenzilate	780.	UJ	750.	UJ	780.	U	750.	UJ	750.	U	800.	U
52-85-7	Famphur	2200.	UJ	2100.	UR	2200.	UJ	2100.	UR	2100.	UJ	2200.	U
85-68-7	Butylbenzylphthalate	740.	UJ	720.	U	740.	U	720.	U	720.	U	760.	U
119-93-7	3,3-Dimethylbenzidine	1100.	UJ	1000.	U	1100.	U	1000.	U	1000.	U	1100.	U
53-96-3	Acetamidofluorene	780.	UJ	750.	U	780.	U	750.	U	750.	U	800.	U
119-90-4	3,3'-Dimethoxybenzidine	1100.	UJ	1000.	U	1100.	U	1000.	U	1000.	U	1100.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	820.	UJ	790.	U	820.	U	790.	U	790.	U	840.	U
101-14-4	Benzenamine, 4,4'-methylenebis[2chloro-	490.	UJ	480.	U	490.	U	480.	U	480.	U	510.	U
91-94-1	3,3'-Dichlorobenzidine	550.	UJ	530.	U	550.	U	530.	U	530.	U	560.	U
56-55-3	Benzo(a)anthracene	78.	J	700.	U	42.	J	700.	U	700.	U	740.	U
218-01-9	Chrysene	92.	J	570.	U	55.	J	570.	U	570.	U	610.	U
117-84-0	Di-n-octyl phthalate	530.	UJ	510.	U	520.	U	510.	U	510.	U	540.	U
57-97-6	7,12-Dimethylbenz(a)anthracene	450.	UJ	430.	U	450.	U	430.	U	430.	U	460.	U
205-99-2	Benzo(b)fluoranthene	140.	J	810.	U	110.	J	810.	U	810.	U	870.	U
207-08-9	Benzo(k)fluoranthene	190.	J	660.	U	160.	J	660.	U	660.	U	700.	U
50-32-8	Benzo(a)pyrene	78.	J	700.	U	720.	U	700.	U	700.	U	740.	U
56-49-5	3-Methyl cholanthrene	670.	UJ	640.	U	670.	U	640.	U	640.	U	690.	U
224-42-0	Dibenz(a,j)acridine	450.	UJ	430.	UJ	450.	UJ	430.	UJ	430.	UJ	460.	U
193-39-5	Indeno(1,2,3-cd)pyrene	500.	UJ	490.	U	500.	U	490.	U	490.	U	520.	U
53-70-3	Dibenz(a,h)anthracene	470.	UJ	450.	U	470.	U	450.	U	450.	U	480.	U
191-24-2	Benzo(g,h,i)perylene	680.	UJ	660.	UJ	680.	U	660.	UJ	660.	U	700.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	515-S-B008-01	516-S-B001-01	516-S-B001-02	516-S-B002-01	516-S-B002-02	517-S-B001-01
	ORIGINAL ID ----->	515SB00801	516SB00101	516SB00102	516SB00201	516SB00202	517SB00101
	LAB SAMPLE ID --->	737592	699047	699060	699066	699072	698363
	ID FROM REPORT -->	515SB00801	516SB00101	516SB00102	516SB00201	516SB00202	517SB00101
	SAMPLE DATE ----->	06/30/95	04/05/95	04/05/95	04/05/95	04/05/95	04/04/95
	DATE EXTRACTED -->	07/07/95	04/17/95	04/17/95	04/17/95	04/17/95	04/15/95
	DATE ANALYZED --->	07/21/95	04/22/95	04/22/95	04/22/95	04/22/95	04/19/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0022S	VAL	0005S	VAL	0005S	VAL	0005S	VAL	0005S	VAL	0004S	VAL
62-75-9	N-Nitrosodimethylamine	750.	U	740.	U	760.	U	720.	U	760.	U	690.	U
110-86-1	Pyridine	620.	UJ	620.	U	630.	U	600.	U	630.	U	580.	U
123-63-7	Paraldehyde	410.	U	400.	U	410.	U	390.	U	410.	U	380.	U
97-63-2	Ethyl methacrylate	670.	U	660.	U	680.	U	640.	U	680.	U	620.	U
109-06-8	2-Picoline	1400.	U	1300.	U	1400.	U	1300.	U	1400.	U	1300.	U
10595-95-6	N-Nitrosomethylethylamine	610.	U	610.	U	620.	U	590.	U	620.	U	570.	U
66-27-3	Methyl methanesulfonate	800.	U	790.	U	800.	U	760.	U	800.	U	730.	UJ
55-18-5	N-Nitrosodiethylamine	680.	U	670.	U	690.	U	650.	U	690.	U	630.	U
62-50-0	Ethyl methanesulfonate	680.	U	670.	U	690.	U	650.	U	690.	U	630.	U
108-95-2	Phenol	650.	U	640.	U	660.	U	620.	U	660.	U	600.	U
62-53-3	Aniline	640.	U	630.	U	640.	U	610.	U	640.	U	590.	U
111-44-4	bis(2-Chloroethyl)ether	670.	U	660.	U	680.	U	640.	U	680.	U	620.	U
76-01-7	Pentachloroethane	940.	U	930.	U	950.	U	900.	U	950.	U	870.	U
95-57-8	2-Chlorophenol	720.	U	710.	U	720.	U	680.	U	720.	U	660.	U
541-73-1	1,3-Dichlorobenzene	580.	U	570.	U	590.	U	550.	U	590.	U	540.	U
100-44-7	Benzyl chloride	660.	U	650.	U	670.	U	630.	U	670.	U	610.	U
106-46-7	1,4-Dichlorobenzene	590.	U	580.	U	600.	U	570.	U	600.	U	550.	U
100-51-6	Benzyl alcohol	620.	U	620.	U	630.	U	600.	U	630.	U	580.	U
95-50-1	1,2-Dichlorobenzene	670.	U	660.	U	680.	U	640.	U	680.	U	620.	U
95-48-7	2-Methylphenol (o-Cresol)	740.	U	730.	U	750.	U	710.	U	750.	U	680.	U
39638-32-9	Bis(2-Chloroisopropyl)Ether	740.	U	730.	U	750.	U	710.	U	750.	U	680.	U
108-39-4	3-Methylphenol (m-Cresol)	1500.	U	1500.	U	1500.	U	1400.	U	1500.	U	1400.	U
106-44-5	4-Methylphenol (p-Cresol)	1500.	U	1500.	U	1500.	U	1400.	U	1500.	U	1400.	U
930-55-2	N-Nitrosopyrrolidine	600.	U	600.	U	610.	U	580.	U	610.	U	560.	U
621-64-7	N-Nitroso-di-n-propylamine	690.	U	690.	U	700.	U	660.	U	700.	U	640.	U
98-86-2	Acetophenone	750.	U	740.	U	760.	U	720.	U	760.	U	690.	U
59-89-2	N-Nitrosomorpholine	850.	U	840.	U	860.	U	820.	U	860.	U	790.	U
636-21-5	o-Toluidine hydrochloride	2300.	U	2200.	U	2300.	U	2200.	U	2300.	U	2100.	U
67-72-1	Hexachloroethane	680.	U	670.	U	690.	U	650.	U	690.	U	630.	U
98-95-3	Nitrobenzene	770.	U	760.	U	780.	U	740.	U	780.	U	710.	U
100-75-4	N-Nitrosopiperidine	840.	U	830.	U	850.	U	800.	U	850.	U	780.	U
78-59-1	Isophorone	770.	U	760.	U	780.	U	740.	U	780.	U	710.	U
88-75-5	2-Nitrophenol	700.	U	700.	U	710.	U	670.	U	710.	U	650.	U
105-67-9	2,4-Dimethylphenol	690.	U	690.	U	700.	U	660.	U	700.	U	640.	U
108-70-3	1,3,5-Trichlorobenzene	690.	U	690.	U	700.	U	660.	U	700.	U	640.	U
98-87-3	Benzal chloride	600.	UR	600.	U	610.	U	580.	U	610.	U	560.	UR

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------>	515-S-B008-01	516-S-B001-01	516-S-B001-02	516-S-B002-01	516-S-B002-02	517-S-B001-01
	ORIGINAL ID ----->	515SB00801	516SB00101	516SB00102	516SB00201	516SB00202	517SB00101
	LAB SAMPLE ID --->	737592	699047	699060	699066	699072	698363
	ID FROM REPORT -->	515SB00801	516SB00101	516SB00102	516SB00201	516SB00202	517SB00101
	SAMPLE DATE ----->	06/30/95	04/05/95	04/05/95	04/05/95	04/05/95	04/04/95
	DATE EXTRACTED -->	07/07/95	04/17/95	04/17/95	04/17/95	04/17/95	04/15/95
	DATE ANALYZED --->	07/21/95	04/22/95	04/22/95	04/22/95	04/22/95	04/19/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0022S	VAL	0005S	VAL	0005S	VAL	0005S	VAL	0005S	VAL	0004S	VAL
126-68-1	O,O,O-Triethylphosphorothioate	6000.	U	6000.	U	6100.	U	5800.	U	6100.	U	5600.	U
65-85-0	Benzoic acid	2200.	UJ	2100.	U	2200.	U	2100.	U	2200.	U	2000.	UJ
111-91-1	bis(2-Chloroethoxy)methane	760.	U	750.	U	770.	U	730.	U	770.	U	700.	U
120-83-2	2,4-Dichlorophenol	620.	U	620.	U	630.	U	600.	U	630.	U	580.	U
120-82-1	1,2,4-Trichlorobenzene	620.	U	620.	U	630.	U	600.	U	630.	U	580.	U
91-20-3	Naphthalene	750.	UJ	740.	U	760.	U	720.	U	760.	U	690.	U
106-47-8	4-Chloroaniline	780.	U	780.	U	790.	U	750.	U	790.	U	720.	U
87-65-0	2,6-Dichlorophenol	1400.	U	1300.	U	1400.	U	1300.	U	1400.	U	1300.	U
1888-71-7	Hexachloropropene	650.	U	640.	U	660.	U	620.	U	660.	U	600.	U
87-68-3	Hexachlorobutadiene	640.	U	630.	U	640.	U	610.	U	640.	U	590.	U
87-61-6	1,2,3-Trichlorobenzene	680.	U	670.	U	690.	U	650.	U	690.	U	630.	U
98-07-7	Benzotrichloride	700.	U	700.	U	710.	U	670.	U	710.	U	650.	U
924-16-3	N-Nitroso-di-n-butylamine	1600.	U	1600.	U	1600.	U	1500.	U	1600.	U	1500.	U
59-50-7	4-Chloro-3-methylphenol	850.	U	840.	U	860.	U	820.	U	860.	U	790.	U
94-59-7	Safrole	660.	U	650.	U	670.	U	630.	U	670.	U	610.	U
91-57-6	2-Methylnaphthalene	950.	U	940.	U	970.	U	910.	U	970.	U	880.	U
90-12-0	1-Methyl naphthalene	1200.	U	1200.	U	1300.	U	1200.	U	1300.	U	1200.	U
77-47-4	Hexachlorocyclopentadiene	750.	U	740.	U	760.	U	720.	U	760.	U	690.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	1500.	U	1500.	U	1500.	U	1400.	U	1500.	U	1400.	U
634-90-2	1,2,3,5-Tetrachlorobenzene	1500.	U	1500.	U	1500.	U	1400.	U	1500.	U	1400.	U
88-06-2	2,4,6-Trichlorophenol	1500.	U	1500.	U	1500.	U	1400.	U	1500.	U	1400.	U
95-95-4	2,4,5-Trichlorophenol	1500.	U	1500.	U	1500.	U	1400.	U	1500.	U	1400.	U
120-58-1	Isosafrole	1500.	U	1500.	U	1500.	U	1400.	U	1500.	U	1400.	U
634-66-2	1,2,3,4-Tetrachlorobenzene	730.	U	720.	U	740.	U	700.	U	740.	U	670.	U
91-58-7	2-Chloronaphthalene	1100.	U	1100.	U	1100.	U	1100.	U	1100.	U	1000.	U
90-13-1	1-Chloronaphthalene	1400.	U	1300.	U	1400.	U	1300.	U	1400.	U	1300.	U
88-74-4	2-Nitroaniline	1200.	U	1200.	U	1300.	U	1200.	U	1300.	U	1200.	UJ
130-15-4	1,4-Naphthoquinone	1800.	U	1800.	U	1800.	U	1700.	U	1800.	U	1700.	U
131-11-3	Dimethyl phthalate	1100.	U	1100.	U	1100.	U	1100.	U	1100.	U	1000.	U
99-65-0	1,3-Dinitrobenzene	640.	U	630.	U	640.	U	610.	U	640.	U	590.	U
606-20-2	2,6-Dinitrotoluene	850.	U	840.	U	860.	U	820.	U	860.	U	790.	U
208-96-8	Acenaphthylene	760.	U	750.	U	770.	U	730.	U	770.	U	700.	U
99-09-2	3-Nitroaniline	780.	U	780.	U	790.	U	750.	U	790.	U	720.	U
83-32-9	Acenaphthene	750.	U	740.	U	760.	U	720.	U	760.	U	690.	U
51-28-5	2,4-Dinitrophenol	1900.	U	1900.	U	2000.	U	1800.	U	2000.	U	1800.	U
100-02-7	4-Nitrophenol	5100.	U	5100.	U	5200.	U	4900.	U	5200.	U	4700.	UJ

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA							
SAMPLE ID ------->	515-S-B008-01	516-S-B001-01	516-S-B001-02	516-S-B002-01	516-S-B002-02	517-S-B001-01
ORIGINAL ID ----->	515SB00801	516SB00101	516SB00102	516SB00201	516SB00202	517SB00101
LAB SAMPLE ID --->	737592	699047	699060	699066	699072	698363
ID FROM REPORT -->	515SB00801	516SB00101	516SB00102	516SB00201	516SB00202	517SB00101
SAMPLE DATE ----->	06/30/95	04/05/95	04/05/95	04/05/95	04/05/95	04/04/95
DATE EXTRACTED -->	07/07/95	04/17/95	04/17/95	04/17/95	04/17/95	04/15/95
DATE ANALYZED --->	07/21/95	04/22/95	04/22/95	04/22/95	04/22/95	04/19/95
MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0022S	VAL	0005S	VAL	0005S	VAL	0005S	VAL	0005S	VAL	0004S	VAL
608-93-5	Pentachlorobenzene	750.	U	740.	U	760.	U	720.	U	760.	U	690.	U
121-14-2	2,4-Dinitrotoluene	750.	U	740.	U	760.	U	720.	U	760.	U	690.	U
132-64-9	Dibenzofuran	780.	U	780.	U	790.	U	750.	U	790.	U	720.	U
91-59-8	2-Naphthylamine	980.	U	970.	U	990.	U	930.	U	990.	U	900.	U
58-90-2	2,3,4,6-Tetrachlorophenol	1600.	U	1600.	U	1600.	U	1500.	U	1600.	U	1500.	U
134-32-7	1-Naphthylamine	1600.	U	1600.	U	1600.	U	1500.	U	1600.	U	1500.	U
84-66-2	Diethylphthalate	820.	U	810.	U	830.	U	780.	U	830.	U	760.	U
297-97-2	Thionazin	760.	U	750.	U	770.	U	730.	U	770.	U	700.	U
7005-72-3	4-Chlorophenylphenylether	680.	U	670.	U	690.	U	650.	U	690.	U	630.	U
99-55-8	5-Nitro-o-toluidine	1100.	U	1100.	U	1100.	U	1100.	U	1100.	U	1000.	U
86-73-7	Fluorene	780.	U	780.	U	790.	U	750.	U	790.	U	720.	U
100-01-6	4-Nitroaniline	1200.	U	1200.	U	1300.	U	1200.	U	1300.	U	1200.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	2000.	U	2000.	U	2100.	U	2000.	U	2100.	U	1900.	U
86-30-6	N-Nitrosodiphenylamine	1600.	U	1600.	U	1600.	U	1500.	U	1600.	U	1500.	U
122-39-4	Diphenylamine	1600.	U	1600.	U	1600.	U	1500.	U	1600.	U	1500.	U
122-66-7	Hydrazine, 1,2-diphenyl	780.	U	780.	U	790.	U	750.	U	790.	U	720.	UJ
99-35-4	1,3,5-Trinitrobenzene	1000.	U	1000.	U	1000.	U	990.	U	1000.	U	950.	U
2303-16-4	Diallate	750.	U	740.	U	760.	U	720.	U	760.	U	690.	U
62-44-2	Phenacetin	690.	U	690.	UJ	700.	UJ	660.	UJ	700.	UJ	640.	U
101-55-3	4-Bromophenyl-phenylether	850.	U	840.	U	860.	U	820.	U	860.	U	790.	U
118-74-1	Hexachlorobenzene	880.	U	870.	U	880.	U	840.	U	880.	U	810.	U
60-51-5	Dimethoate	750.	U	740.	UJ	760.	UJ	720.	UJ	760.	UJ	690.	U
92-67-1	4-Aminobiphenyl	470.	U	460.	U	470.	U	450.	U	470.	U	430.	U
87-86-5	Pentachlorophenol	1600.	U	1600.	U	1600.	U	1500.	U	1600.	U	1500.	U
23950-58-5	Pronamide	740.	U	730.	UJ	750.	UJ	710.	UJ	750.	UJ	680.	U
82-68-8	Pentachloronitrobenzene	730.	U	720.	U	740.	U	700.	U	740.	U	670.	U
85-01-8	Phenanthrene	49.	J	50.	J	710.	U	670.	U	710.	U	650.	U
120-12-7	Anthracene	840.	U	830.	U	850.	U	800.	U	850.	U	780.	U
84-74-2	Di-n-butylphthalate	880.	U	870.	U	880.	U	840.	U	880.	U	49.	J
56-57-5	4-Nitroquinoline 1-oxide	5500.	UR	5400.	U	5500.	U	5200.	U	5500.	U	5000.	UR
91-80-5	Methapyrilene	1500.	U	1500.	U	1500.	U	1400.	U	1500.	U	1400.	U
6055-19-2	Cyclophosphamide Hydrate	720.	UR	710.	UR	720.	UR	680.	UR	720.	UR	660.	UR
465-73-6	Isodrin	1000.	U	1000.	U	1100.	U	1000.	U	1100.	U	970.	U
206-44-0	Fluoranthene	71.	J	110.	J	1100.	U	1000.	U	1100.	U	970.	U
92-87-5	Benzidine	1800.	U	1800.	U	1800.	U	1700.	U	1800.	U	1700.	U
129-00-0	Pyrene	70.	J	120.	J	840.	U	790.	U	840.	U	770.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA													
	SAMPLE ID ------->	515-S-B008-01		516-S-B001-01		516-S-B001-02		516-S-B002-01		516-S-B002-02		517-S-B001-01	
	ORIGINAL ID ----->	515SB00801		516SB00101		516SB00102		516SB00201		516SB00202		517SB00101	
	LAB SAMPLE ID --->	737592		699047		699060		699066		699072		698363	
	ID FROM REPORT -->	515SB00801		516SB00101		516SB00102		516SB00201		516SB00202		517SB00101	
	SAMPLE DATE ----->	06/30/95		04/05/95		04/05/95		04/05/95		04/05/95		04/04/95	
	DATE EXTRACTED -->	07/07/95		04/17/95		04/17/95		04/17/95		04/17/95		04/15/95	
	DATE ANALYZED --->	07/21/95		04/22/95		04/22/95		04/22/95		04/22/95		04/19/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0022S	VAL	0005S	VAL	0005S	VAL	0005S	VAL	0005S	VAL	0004S	VAL
140-57-8	Aramite	750.	UJ	740.	U	760.	U	720.	U	760.	U	690.	U
60-11-7	p-(Dimethylamino)azobenzene	760.	U	750.	U	770.	U	730.	U	770.	U	700.	U
510-15-6	Chlorobenzilate	810.	U	800.	U	820.	U	770.	U	820.	U	740.	U
52-85-7	Famphur	2300.	U	2200.	UR	2300.	UR	2200.	UR	2300.	UR	2100.	UR
85-68-7	Butylbenzylphthalate	770.	U	760.	U	780.	U	740.	U	780.	U	710.	U
119-93-7	3,3-Dimethylbenzidine	1100.	U	1100.	U	1100.	U	1100.	U	1100.	U	1000.	U
53-96-3	Acetamidofluorene	810.	U	800.	U	820.	U	770.	U	820.	U	740.	U
119-90-4	3,3'-Dimethoxybenzidine	1100.	U	1100.	U	1100.	U	1100.	U	1100.	U	1000.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	850.	U	840.	U	860.	U	820.	U	860.	U	790.	U
101-14-4	Benzenamine, 4,4'-methylenebis[2chloro-	510.	U	510.	U	520.	U	490.	U	520.	U	470.	U
91-94-1	3,3'-Dichlorobenzidine	570.	U	560.	U	570.	U	540.	U	570.	U	520.	U
56-55-3	Benzo(a)anthracene	75.	J	82.	J	760.	U	720.	U	760.	U	690.	U
218-01-9	Chrysene	71.	J	100.	J	620.	U	590.	U	620.	U	570.	U
117-84-0	Di-n-octyl phthalate	550.	U	540.	U	550.	U	520.	U	550.	U	500.	U
57-97-6	7,12-Dimethylbenz(a)anthracene	470.	U	460.	U	470.	U	450.	U	470.	U	430.	U
205-99-2	Benzo(b)fluoranthene	130.	J	220.	J	880.	U	840.	U	880.	U	810.	U
207-08-9	Benzo(k)fluoranthene	130.	J	240.	J	710.	U	670.	U	710.	U	650.	U
50-32-8	Benzo(a)pyrene	39.	J	110.	J	760.	U	720.	U	760.	U	690.	U
56-49-5	3-Methyl cholanthrene	690.	U	690.	U	700.	U	660.	U	700.	U	640.	U
224-42-0	Dibenz(a,j)acridine	470.	U	460.	U	470.	U	450.	U	470.	U	430.	U
193-39-5	Indeno(1,2,3-cd)pyrene	520.	U	520.	U	530.	U	500.	U	530.	U	480.	U
53-70-3	Dibenz(a,h)anthracene	490.	U	480.	U	490.	U	470.	U	490.	U	450.	U
191-24-2	Benzo(g,h,i)perylene	700.	U	700.	U	710.	U	670.	U	710.	U	650.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	517-S-B001-02	517-S-B002-01	517-S-B002-02	517-C-B002-02	517-S-B003-01	517-S-B003-02
	ORIGINAL ID ----->	517SB00102	517SB00201	517SB00202	517CB00202	517SB00301	517SB00302
	LAB SAMPLE ID --->	698368	698345	698350	698355	698335	698340
	ID FROM REPORT -->	517SB00102	517SB00201	517SB00202	517CB00202	517SB00301	517SB00302
	SAMPLE DATE ----->	04/04/95	04/04/95	04/04/95	04/04/95	04/04/95	04/04/95
	DATE EXTRACTED -->	04/15/95	04/15/95	04/15/95	04/15/95	04/15/95	04/15/95
	DATE ANALYZED --->	04/19/95	04/21/95	04/22/95	04/19/95	04/18/95	04/18/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0004S	VAL	0004S	VAL	0004S	VAL	0004S	VAL	0004S	VAL	0004S	VAL
62-75-9	N-Nitrosodimethylamine	690.	U	680.	U	700.	U	700.	U	690.	U	700.	U
110-86-1	Pyridine	580.	U	570.	U	580.	U	580.	U	570.	U	580.	U
123-63-7	Paraldehyde	380.	U	370.	U	380.	U	380.	U	380.	U	380.	U
97-63-2	Ethyl methacrylate	620.	U	610.	U	630.	U	630.	U	610.	U	630.	U
109-06-8	2-Picoline	1300.	U	1200.	U	1300.	U	1300.	U	1200.	U	1300.	U
10595-95-6	N-Nitrosomethylethylamine	570.	U	560.	U	570.	U	570.	U	560.	U	570.	U
66-27-3	Methyl methanesulfonate	740.	UJ	720.	U	740.	U	740.	UJ	730.	UJ	740.	UJ
55-18-5	N-Nitrosodiethylamine	630.	U	620.	U	640.	U	640.	U	620.	U	640.	U
62-50-0	Ethyl methanesulfonate	630.	U	620.	U	640.	U	640.	U	620.	U	640.	U
108-95-2	Phenol	600.	U	590.	U	600.	U	600.	U	590.	U	600.	U
62-53-3	Aniline	590.	U	580.	U	590.	U	590.	U	580.	U	590.	U
111-44-4	bis(2-Chloroethyl)ether	620.	U	610.	U	630.	U	630.	U	610.	U	630.	U
76-01-7	Pentachloroethane	870.	U	860.	U	880.	U	880.	U	860.	U	880.	U
95-57-8	2-Chlorophenol	660.	U	650.	U	670.	U	670.	U	660.	U	670.	U
541-73-1	1,3-Dichlorobenzene	540.	U	530.	U	540.	U	540.	U	530.	U	540.	U
100-44-7	Benzyl chloride	610.	U	600.	U	620.	U	620.	U	600.	U	620.	U
106-46-7	1,4-Dichlorobenzene	550.	U	540.	U	550.	U	550.	U	540.	U	550.	U
100-51-6	Benzyl alcohol	580.	U	570.	U	580.	U	580.	U	570.	U	580.	U
95-50-1	1,2-Dichlorobenzene	620.	U	610.	U	630.	U	630.	U	610.	U	630.	U
95-48-7	2-Methylphenol (o-Cresol)	680.	U	670.	U	690.	U	690.	U	680.	U	690.	U
39638-32-9	Bis(2-Chloroisopropyl)Ether	680.	U	670.	U	690.	U	690.	U	680.	U	690.	U
108-39-4	3-Methylphenol (m-Cresol)	1400.	U	1300.	U	1400.	U	1400.	U	1400.	U	1400.	U
106-44-5	4-Methylphenol (p-Cresol)	1400.	U	1300.	U	1400.	U	1400.	U	1400.	U	1400.	U
930-55-2	N-Nitrosopyrrolidine	560.	U	550.	U	560.	U	560.	U	550.	U	560.	U
621-64-7	N-Nitroso-di-n-propylamine	640.	U	630.	U	650.	U	650.	U	640.	U	650.	U
98-86-2	Acetophenone	690.	U	680.	U	700.	U	700.	U	690.	U	700.	U
59-89-2	N-Nitrosomorpholine	790.	U	770.	U	800.	U	800.	U	780.	U	800.	U
636-21-5	o-Toluidine hydrochloride	2100.	U	2100.	U	2100.	U	2100.	U	2100.	U	2100.	U
67-72-1	Hexachloroethane	630.	U	620.	U	640.	U	640.	U	620.	U	640.	U
98-95-3	Nitrobenzene	720.	U	700.	U	720.	U	720.	U	710.	U	720.	U
100-75-4	N-Nitrosopiperidine	780.	U	760.	U	780.	U	780.	U	770.	U	780.	U
78-59-1	Isophorone	720.	U	700.	U	720.	U	720.	U	710.	U	720.	U
88-75-5	2-Nitrophenol	650.	U	640.	U	660.	U	660.	U	650.	U	660.	U
105-67-9	2,4-Dimethylphenol	640.	U	630.	U	650.	U	650.	U	640.	U	650.	U
108-70-3	1,3,5-Trichlorobenzene	640.	U	630.	U	650.	U	650.	U	640.	U	650.	U
98-87-3	Benzal chloride	560.	UR	550.	U	560.	U	560.	UR	550.	UR	560.	UR

*** Validation Complete ***

DATALCP3
09/30/97

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA		517-S-B001-02		517-S-B002-01		517-S-B002-02		517-C-B002-02		517-S-B003-01		517-S-B003-02	
	ORIGINAL ID ----->	517SB00102		517SB00201		517SB00202		517CB00202		517SB00301		517SB00302	
	LAB SAMPLE ID --->	698368		698345		698350		698355		698335		698340	
	ID FROM REPORT -->	517SB00102		517SB00201		517SB00202		517CB00202		517SB00301		517SB00302	
	SAMPLE DATE ----->	04/04/95		04/04/95		04/04/95		04/04/95		04/04/95		04/04/95	
	DATE EXTRACTED -->	04/15/95		04/15/95		04/15/95		04/15/95		04/15/95		04/15/95	
	DATE ANALYZED --->	04/19/95		04/21/95		04/22/95		04/19/95		04/18/95		04/18/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0004S	VAL	0004S	VAL	0004S	VAL	0004S	VAL	0004S	VAL	0004S	VAL
126-68-1	O,O,O-Triethylphosphorothioate	5600.	U	5500.	U	5600.	U	5600.	U	5500.	U	5600.	U
65-85-0	Benzoic acid	2000.	UJ	2000.	U	2000.	U	2000.	UJ	2000.	UJ	2000.	UJ
111-91-1	bis(2-Chloroethoxy)methane	710.	U	690.	U	710.	U	710.	U	700.	U	710.	U
120-83-2	2,4-Dichlorophenol	580.	U	570.	U	580.	U	580.	U	570.	U	580.	U
120-82-1	1,2,4-Trichlorobenzene	580.	U	570.	U	580.	U	580.	U	570.	U	580.	U
91-20-3	Naphthalene	690.	U	680.	U	700.	U	700.	U	690.	U	700.	U
106-47-8	4-Chloroaniline	730.	U	710.	U	730.	U	730.	U	720.	U	730.	U
87-65-0	2,6-Dichlorophenol	1300.	U	1200.	U	1300.	U	1300.	U	1200.	U	1300.	U
1888-71-7	Hexachloropropene	600.	U	590.	U	600.	U	600.	U	590.	U	600.	U
87-68-3	Hexachlorobutadiene	590.	U	580.	U	590.	U	590.	U	580.	U	590.	U
87-61-6	1,2,3-Trichlorobenzene	630.	U	620.	U	640.	U	640.	U	620.	U	640.	U
98-07-7	Benzotrichloride	650.	U	640.	U	660.	U	660.	U	650.	U	660.	U
924-16-3	N-Nitroso-di-n-butylamine	1500.	U	1400.	U	1500.	U	1500.	U	1500.	U	1500.	U
59-50-7	4-Chloro-3-methylphenol	790.	U	770.	U	800.	U	800.	U	780.	U	800.	U
94-59-7	Safrole	610.	U	600.	U	620.	U	620.	U	600.	U	620.	U
91-57-6	2-Methylnaphthalene	880.	U	870.	U	890.	U	890.	U	880.	U	890.	U
90-12-0	1-Methyl naphthalene	1200.	U	1100.	U	1200.	U	1200.	U	1100.	U	1200.	U
77-47-4	Hexachlorocyclopentadiene	690.	U	680.	U	700.	U	700.	U	690.	U	700.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	1400.	U	1300.	U	1400.	U	1400.	U	1400.	U	1400.	U
634-90-2	1,2,3,5-Tetrachlorobenzene	1400.	U	1300.	U	1400.	U	1400.	U	1400.	U	1400.	U
88-06-2	2,4,6-Trichlorophenol	1400.	U	1300.	U	1400.	U	1400.	U	1400.	U	1400.	U
95-95-4	2,4,5-Trichlorophenol	1400.	U	1300.	U	1400.	U	1400.	U	1400.	U	1400.	U
120-58-1	Isosafrole	1400.	U	1300.	U	1400.	U	1400.	U	1400.	U	1400.	U
634-66-2	1,2,3,4-Tetrachlorobenzene	670.	U	660.	U	680.	U	680.	U	670.	U	680.	U
91-58-7	2-Chloronaphthalene	1000.	U	1000.	U	1000.	U	1000.	U	1000.	U	1000.	U
90-13-1	1-Chloronaphthalene	1300.	U	1200.	U	1300.	U	1300.	U	1200.	U	1300.	U
88-74-4	2-Nitroaniline	1200.	UJ	1100.	U	1200.	U	1200.	UJ	1100.	UJ	1200.	UJ
130-15-4	1,4-Naphthoquinone	1700.	U	1600.	U	1700.	U	1700.	U	1700.	U	1700.	U
131-11-3	Dimethyl phthalate	1000.	U	1000.	U	1000.	U	1000.	U	1000.	U	1000.	U
99-65-0	1,3-Dinitrobenzene	590.	U	580.	U	590.	U	590.	U	580.	U	590.	U
606-20-2	2,6-Dinitrotoluene	790.	U	770.	U	800.	U	800.	U	780.	U	800.	U
208-96-8	Acenaphthylene	710.	U	690.	U	710.	U	710.	U	700.	U	710.	U
99-09-2	3-Nitroaniline	730.	U	710.	U	730.	U	730.	U	720.	U	730.	U
83-32-9	Acenaphthene	690.	U	680.	U	700.	U	700.	U	690.	U	700.	U
51-28-5	2,4-Dinitrophenol	1800.	U	1800.	U	1800.	U	1800.	U	1800.	U	1800.	U
100-02-7	4-Nitrophenol	4700.	UJ	4600.	U	4800.	U	4800.	UJ	4700.	UJ	4800.	UJ

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	517-S-B001-02	517-S-B002-01	517-S-B002-02	517-C-B002-02	517-S-B003-01	517-S-B003-02
	ORIGINAL ID ----->	517SB00102	517SB00201	517SB00202	517CB00202	517SB00301	517SB00302
	LAB SAMPLE ID --->	698368	698345	698350	698355	698335	698340
	ID FROM REPORT -->	517SB00102	517SB00201	517SB00202	517CB00202	517SB00301	517SB00302
	SAMPLE DATE ----->	04/04/95	04/04/95	04/04/95	04/04/95	04/04/95	04/04/95
	DATE EXTRACTED -->	04/15/95	04/15/95	04/15/95	04/15/95	04/15/95	04/15/95
	DATE ANALYZED --->	04/19/95	04/21/95	04/22/95	04/19/95	04/18/95	04/18/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0004S	VAL	0004S	VAL	0004S	VAL	0004S	VAL	0004S	VAL	0004S	VAL
608-93-5	Pentachlorobenzene	690.	U	680.	U	700.	U	700.	U	690.	U	700.	U
121-14-2	2,4-Dinitrotoluene	690.	U	680.	U	700.	U	700.	U	690.	U	700.	U
132-64-9	Dibenzofuran	730.	U	710.	U	730.	U	730.	U	720.	U	730.	U
91-59-8	2-Naphthylamine	910.	U	890.	U	910.	U	910.	U	900.	U	910.	U
58-90-2	2,3,4,6-Tetrachlorophenol	1500.	U	1400.	U	1500.	U	1500.	U	1500.	U	1500.	U
134-32-7	1-Naphthylamine	1500.	U	1400.	U	1500.	U	1500.	U	1500.	U	1500.	U
84-66-2	Diethylphthalate	760.	U	740.	U	760.	U	760.	U	750.	U	760.	U
297-97-2	Thionazin	710.	U	690.	U	710.	U	710.	U	700.	U	710.	U
7005-72-3	4-Chlorophenylphenylether	630.	U	620.	U	640.	U	640.	U	620.	U	640.	U
99-55-8	5-Nitro-o-toluidine	1100.	U	1000.	U	1100.	U	1100.	U	1000.	U	1100.	U
86-73-7	Fluorene	730.	U	710.	U	730.	U	730.	U	720.	U	730.	U
100-01-6	4-Nitroaniline	1200.	U	1100.	U	1200.	U	1200.	U	1100.	U	1200.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	1900.	U	1900.	U	1900.	U	1900.	U	1900.	U	1900.	U
86-30-6	N-Nitrosodiphenylamine	1500.	U	1400.	U	1500.	U	1500.	U	1500.	U	1500.	U
122-39-4	Diphenylamine	1500.	U	1400.	U	1500.	U	1500.	U	1500.	U	1500.	U
122-66-7	Hydrazine, 1,2-diphenyl	730.	UJ	710.	U	730.	U	730.	UJ	720.	UJ	730.	UJ
99-35-4	1,3,5-Trinitrobenzene	960.	U	940.	U	960.	U	960.	U	950.	U	960.	U
2303-16-4	Diallate	690.	U	680.	U	700.	U	700.	U	690.	U	700.	U
62-44-2	Phenacetin	640.	U	630.	U	650.	U	650.	U	640.	U	650.	U
101-55-3	4-Bromophenyl-phenylether	790.	U	770.	U	800.	U	800.	U	780.	U	800.	U
118-74-1	Hexachlorobenzene	810.	U	790.	U	820.	U	820.	U	800.	U	820.	U
60-51-5	Dimethoate	690.	U	680.	U	700.	U	700.	U	690.	U	700.	U
92-67-1	4-Aminobiphenyl	430.	U	420.	U	430.	U	430.	U	430.	U	430.	U
87-86-5	Pentachlorophenol	1500.	U	1400.	U	1500.	U	1500.	U	1500.	U	1500.	U
23950-58-5	Pronamide	680.	U	670.	U	690.	U	690.	U	680.	U	690.	U
82-68-8	Pentachloronitrobenzene	670.	U	660.	U	680.	U	680.	U	670.	U	680.	U
85-01-8	Phenanthrene	650.	U	640.	U	660.	U	660.	U	650.	U	660.	U
120-12-7	Anthracene	780.	U	760.	U	780.	U	780.	U	770.	U	780.	U
84-74-2	Di-n-butylphthalate	39.	J	57.	J	75.	J	40.	J	69.	J	110.	J
56-57-5	4-Nitroquinoline 1-oxide	5100.	UR	4900.	UR	5100.	UR	5100.	UR	5000.	UR	5100.	UR
91-80-5	Methapyrilene	1400.	U	1300.	U	1400.	UJ	1400.	U	1400.	U	1400.	U
6055-19-2	Cyclophosphamide Hydrate	660.	UR	650.	UR	670.	UR	670.	UR	660.	UR	670.	UR
465-73-6	Isodrin	970.	U	950.	U	980.	U	980.	U	960.	U	980.	U
206-44-0	Fluoranthene	970.	U	950.	U	980.	U	980.	U	960.	U	980.	U
92-87-5	Benzidine	1700.	U	1600.	U	1700.	U	1700.	U	1700.	U	1700.	U
129-00-0	Pyrene	770.	U	750.	U	770.	U	770.	U	760.	U	770.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	517-S-B001-02	517-S-B002-01	517-S-B002-02	517-C-B002-02	517-S-B003-01	517-S-B003-02
	ORIGINAL ID ----->	517SB00102	517SB00201	517SB00202	517CB00202	517SB00301	517SB00302
	LAB SAMPLE ID --->	698368	698345	698350	698355	698335	698340
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	SAMPLE DATE ----->	04/04/95	04/04/95	04/04/95	04/04/95	04/04/95	04/04/95
	DATE EXTRACTED -->	04/15/95	04/15/95	04/15/95	04/15/95	04/15/95	04/15/95
	DATE ANALYZED --->	04/19/95	04/21/95	04/22/95	04/19/95	04/18/95	04/18/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ----------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0004S	VAL	0004S	VAL	0004S	VAL	0004S	VAL	0004S	VAL	0004S	VAL
140-57-8	Aramite	690.	U	680.	U	700.	U	700.	U	690.	U	700.	U
60-11-7	p-(Dimethylamino)azobenzene	710.	U	690.	U	710.	U	710.	U	700.	U	710.	U
510-15-6	Chlorobenzilate	750.	U	730.	U	750.	U	750.	U	740.	U	750.	U
52-85-7	Famphur	2100.	UR	2100.	UR	2100.	UR	2100.	UR	2100.	UR	2100.	UR
85-68-7	Butylbenzylphthalate	720.	U	720.		210.	J	150.	J	710.	U	720.	U
119-93-7	3,3-Dimethylbenzidine	1000.	U	1000.	U	1000.	U	1000.	U	1000.	U	1000.	U
53-96-3	Acetamidofluorene	750.	U	730.	U	750.	U	750.	U	740.	U	750.	U
119-90-4	3,3'-Dimethoxybenzidine	1000.	U	1000.	U	1000.	U	1000.	U	1000.	U	1000.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	790.	U	540.	J	170.	J	97.	J	74.	J	800.	U
101-14-4	Benzenamine, 4,4'-methylenebis[2chloro-	470.	U	460.	U	480.	U	480.	U	470.	U	480.	U
91-94-1	3,3'-Dichlorobenzidine	530.	U	520.	U	530.	U	530.	U	520.	U	530.	U
56-55-3	Benzo(a)anthracene	690.	U	680.	U	700.	U	700.	U	690.	U	700.	U
218-01-9	Chrysene	570.	U	560.	U	570.	U	570.	U	560.	U	570.	U
117-84-0	Di-n-octyl phthalate	510.	U	490.	U	510.	U	510.	U	500.	U	510.	U
57-97-6	7,12-Dimethylbenz(a)anthracene	430.	U	420.	U	430.	U	430.	U	430.	U	430.	U
205-99-2	Benzo(b)fluoranthene	810.	U	790.	U	820.	U	820.	U	800.	U	820.	U
207-08-9	Benzo(k)fluoranthene	650.	U	640.	U	660.	U	660.	U	650.	U	660.	U
50-32-8	Benzo(a)pyrene	690.	U	680.	U	700.	U	700.	U	690.	U	700.	U
56-49-5	3-Methyl cholanthrene	640.	U	630.	U	650.	U	650.	U	640.	U	650.	U
224-42-0	Dibenz(a,j)acridine	430.	U	420.	U	430.	U	430.	U	430.	U	430.	U
193-39-5	Indeno(1,2,3-cd)pyrene	480.	U	470.	U	490.	U	490.	U	480.	U	490.	U
53-70-3	Dibenz(a,h)anthracene	450.	U	440.	U	460.	U	460.	U	450.	U	460.	U
191-24-2	Benzo(g,h,i)perylene	650.	U	640.	U	660.	U	660.	U	650.	U	660.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	517-S-B004-01	517-S-B004-02	517-S-B005-01	517-S-B005-02	518-S-B001-01	518-S-B001-02
	ORIGINAL ID ----->	517SB00401	517SB00402	517SB00501	517SB00502	518SB00101	518SB00102
	LAB SAMPLE ID --->	698307	698316	698321	698330	699019	699024
	ID FROM REPORT -->	517SB00401	517SB00402	517SB00501	517SB00502	518SB00101	518SB00102
	SAMPLE DATE ----->	04/04/95	04/04/95	04/04/95	04/04/95	04/05/95	04/05/95
	DATE EXTRACTED -->	04/15/95	04/15/95	04/15/95	04/15/95	04/17/95	04/17/95
	DATE ANALYZED --->	04/21/95	04/18/95	04/18/95	04/18/95	04/22/95	04/22/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ----------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0004S	VAL	0004S	VAL	0004S	VAL	0004S	VAL	0005S	VAL	0005S	VAL
62-75-9	N-Nitrosodimethylamine	700.	U	700.	U	690.	U	710.	U	790.	U	690.	U
110-86-1	Pyridine	580.	U	590.	U	580.	U	590.	U	650.	U	580.	U
123-63-7	Paraldehyde	380.	U	380.	U	380.	U	390.	U	430.	U	380.	U
97-63-2	Ethyl methacrylate	630.	U	630.	U	620.	U	630.	U	700.	U	620.	U
109-06-8	2-Picoline	1300.	U	1300.	U	1300.	U	1300.	U	1400.	U	1300.	U
10595-95-6	N-Nitrosomethylethylamine	570.	U	570.	U	570.	U	580.	U	640.	U	570.	U
66-27-3	Methyl methanesulfonate	740.	U	740.	U	740.	UJ	750.	UJ	830.	U	740.	U
55-18-5	N-Nitrosodiethylamine	640.	U	640.	U	630.	U	640.	U	710.	U	630.	U
62-50-0	Ethyl methanesulfonate	640.	U	640.	U	630.	U	640.	U	710.	U	630.	U
108-95-2	Phenol	600.	U	610.	U	600.	U	610.	U	680.	U	600.	U
62-53-3	Aniline	590.	U	600.	U	590.	U	600.	U	670.	U	590.	U
111-44-4	bis(2-Chloroethyl)ether	630.	U	630.	U	620.	U	630.	U	700.	U	620.	U
76-01-7	Pentachloroethane	880.	U	880.	U	870.	U	890.	U	990.	U	870.	U
95-57-8	2-Chlorophenol	670.	U	670.	U	660.	U	680.	U	750.	U	660.	U
541-73-1	1,3-Dichlorobenzene	540.	U	540.	U	540.	U	550.	U	610.	U	540.	U
100-44-7	Benzyl chloride	620.	U	620.	U	610.	U	620.	U	690.	U	610.	U
106-46-7	1,4-Dichlorobenzene	550.	U	550.	U	550.	U	560.	U	620.	U	550.	U
100-51-6	Benzyl alcohol	580.	U	590.	U	580.	U	590.	U	650.	U	580.	U
95-50-1	1,2-Dichlorobenzene	630.	U	630.	U	620.	U	630.	U	700.	U	620.	U
95-48-7	2-Methylphenol (o-Cresol)	690.	U	690.	U	680.	U	700.	U	770.	U	680.	U
39638-32-9	Bis(2-Chloroisopropyl)Ether	690.	U	690.	U	680.	U	700.	U	770.	U	680.	U
108-39-4	3-Methylphenol (m-Cresol)	1400.	U	1400.	U	1400.	U	1400.	U	1500.	U	1400.	U
106-44-5	4-Methylphenol (p-Cresol)	1400.	U	1400.	U	1400.	U	1400.	U	1500.	U	1400.	U
930-55-2	N-Nitrosopyrrolidine	560.	U	560.	U	560.	U	570.	U	630.	U	560.	U
621-64-7	N-Nitroso-di-n-propylamine	650.	U	650.	U	640.	U	650.	U	730.	U	640.	U
98-86-2	Acetophenone	700.	U	700.	U	690.	U	710.	U	790.	U	690.	U
59-89-2	N-Nitrosomorpholine	800.	U	800.	U	790.	U	800.	U	890.	U	790.	U
636-21-5	o-Toluidine hydrochloride	2100.	U	2100.	U	2100.	U	2100.	U	2400.	U	2100.	U
67-72-1	Hexachloroethane	640.	U	640.	U	630.	U	640.	U	710.	U	630.	U
98-95-3	Nitrobenzene	720.	U	720.	U	720.	U	730.	U	810.	U	720.	U
100-75-4	N-Nitrosopiperidine	780.	U	790.	U	780.	U	790.	U	880.	U	780.	U
78-59-1	Isophorone	720.	U	720.	U	720.	U	730.	U	810.	U	720.	U
88-75-5	2-Nitrophenol	660.	U	660.	U	650.	U	660.	U	740.	U	650.	U
105-67-9	2,4-Dimethylphenol	650.	U	650.	U	640.	U	650.	U	730.	U	640.	U
108-70-3	1,3,5-Trichlorobenzene	650.	U	650.	U	640.	U	650.	U	730.	U	640.	U
98-87-3	Benzal chloride	560.	U	560.	U	560.	UR	570.	UR	630.	U	560.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------>	517-S-B004-01	517-S-B004-02	517-S-B005-01	517-S-B005-02	518-S-B001-01	518-S-B001-02
	ORIGINAL ID ----->	517SB00401	517SB00402	517SB00501	517SB00502	518SB00101	518SB00102
	LAB SAMPLE ID --->	698307	698316	698321	698330	699019	699024
	ID FROM REPORT -->	517SB00401	517SB00402	517SB00501	517SB00502	518SB00101	518SB00102
	SAMPLE DATE ----->	04/04/95	04/04/95	04/04/95	04/04/95	04/05/95	04/05/95
	DATE EXTRACTED -->	04/15/95	04/15/95	04/15/95	04/15/95	04/17/95	04/17/95
	DATE ANALYZED --->	04/21/95	04/18/95	04/18/95	04/18/95	04/22/95	04/22/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0004S	VAL	0004S	VAL	0004S	VAL	0004S	VAL	0005S	VAL	0005S	VAL
126-68-1	O,O,O-Triethylphosphorothioate	5600.	U	5600.	U	5600.	U	5700.	U	6300.	U	5600.	U
65-85-0	Benzoic acid	2000.	U	2000.	U	2000.	UJ	2000.	UJ	2300.	U	2000.	U
111-91-1	bis(2-Chloroethoxy)methane	710.	U	710.	U	710.	U	720.	U	800.	U	710.	U
120-83-2	2,4-Dichlorophenol	580.	U	590.	U	580.	U	590.	U	650.	U	580.	U
120-82-1	1,2,4-Trichlorobenzene	580.	U	590.	U	580.	U	590.	U	650.	U	580.	U
91-20-3	Naphthalene	700.	U	700.	U	690.	U	710.	U	790.	U	690.	U
106-47-8	4-Chloroaniline	730.	U	730.	U	730.	U	740.	U	820.	U	730.	U
87-65-0	2,6-Dichlorophenol	1300.	U	1300.	U	1300.	U	1300.	U	1400.	U	1300.	U
1888-71-7	Hexachloropropene	600.	U	610.	U	600.	U	610.	U	680.	U	600.	U
87-68-3	Hexachlorobutadiene	590.	U	600.	U	590.	U	600.	U	670.	U	590.	U
87-61-6	1,2,3-Trichlorobenzene	640.	U	640.	U	630.	U	640.	U	710.	U	630.	U
98-07-7	Benzotrichloride	660.	U	660.	U	650.	U	660.	U	740.	U	650.	U
924-16-3	N-Nitroso-di-n-butylamine	1500.	U	1500.	U	1500.	U	1500.	U	1700.	U	1500.	U
59-50-7	4-Chloro-3-methylphenol	800.	U	800.	U	790.	U	800.	U	890.	U	790.	U
94-59-7	Safrole	620.	U	620.	U	610.	U	620.	U	690.	U	610.	U
91-57-6	2-Methylnaphthalene	890.	U	890.	U	880.	U	900.	U	1000.	U	880.	U
90-12-0	1-Methyl naphthalene	1200.	U	1200.	U	1200.	U	1200.	U	1300.	U	1200.	U
77-47-4	Hexachlorocyclopentadiene	700.	U	700.	U	690.	U	710.	U	790.	U	690.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	1400.	U	1400.	U	1400.	U	1400.	U	1500.	U	1400.	U
634-90-2	1,2,3,5-Tetrachlorobenzene	1400.	U	1400.	U	1400.	U	1400.	U	1500.	U	1400.	U
88-06-2	2,4,6-Trichlorophenol	1400.	U	1400.	U	1400.	U	1400.	U	1500.	U	1400.	U
95-95-4	2,4,5-Trichlorophenol	1400.	U	1400.	U	1400.	U	1400.	U	1500.	U	1400.	U
120-58-1	Isosafrole	1400.	U	1400.	U	1400.	U	1400.	U	1500.	U	1400.	U
634-66-2	1,2,3,4-Tetrachlorobenzene	680.	U	680.	U	670.	U	690.	U	760.	U	670.	U
91-58-7	2-Chloronaphthalene	1000.	U	1000.	U	1000.	U	1000.	U	1200.	U	1000.	U
90-13-1	1-Chloronaphthalene	1300.	U	1300.	U	1300.	U	1300.	U	1400.	U	1300.	U
88-74-4	2-Nitroaniline	1200.	U	1200.	U	1200.	UJ	1200.	UJ	1300.	U	1200.	U
130-15-4	1,4-Naphthoquinone	1700.	U	1700.	U	1700.	U	1700.	U	1900.	U	1700.	U
131-11-3	Dimethyl phthalate	1000.	U	1000.	U	1000.	U	1000.	U	1200.	U	1000.	U
99-65-0	1,3-Dinitrobenzene	590.	U	600.	U	590.	U	600.	U	670.	U	590.	U
606-20-2	2,6-Dinitrotoluene	800.	U	800.	U	790.	U	800.	U	890.	U	790.	U
208-96-8	Acenaphthylene	710.	U	710.	U	710.	U	720.	U	800.	U	710.	U
99-09-2	3-Nitroaniline	730.	U	730.	U	730.	U	740.	U	820.	U	730.	U
83-32-9	Acenaphthene	700.	U	700.	U	690.	U	710.	U	790.	U	690.	U
51-28-5	2,4-Dinitrophenol	1800.	U	1800.	U	1800.	U	1800.	U	2000.	U	1800.	U
100-02-7	4-Nitrophenol	4800.	U	4800.	U	4700.	UJ	4800.	UJ	5400.	U	4700.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA						
SAMPLE ID ------->	517-S-B004-01	517-S-B004-02	517-S-B005-01	517-S-B005-02	518-S-B001-01	518-S-B001-02
ORIGINAL ID ----->	517SB00401	517SB00402	517SB00501	517SB00502	518SB00101	518SB00102
LAB SAMPLE ID --->	698307	698316	698321	698330	699019	699024
ID FROM REPORT -->	517SB00401	517SB00402	517SB00501	517SB00502	518SB00101	518SB00102
SAMPLE DATE ----->	04/04/95	04/04/95	04/04/95	04/04/95	04/05/95	04/05/95
DATE EXTRACTED -->	04/15/95	04/15/95	04/15/95	04/15/95	04/17/95	04/17/95
DATE ANALYZED --->	04/21/95	04/18/95	04/18/95	04/18/95	04/22/95	04/22/95
MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0004S	VAL	0004S	VAL	0004S	VAL	0004S	VAL	0005S	VAL	0005S	VAL
608-93-5	Pentachlorobenzene	700.	U	700.	U	690.	U	710.	U	790.	U	690.	U
121-14-2	2,4-Dinitrotoluene	700.	U	700.	U	690.	U	710.	U	790.	U	690.	U
132-64-9	Dibenzofuran	730.	U	730.	U	730.	U	740.	U	820.	U	730.	U
91-59-8	2-Naphthylamine	910.	U	910.	U	910.	U	920.	U	1000.	U	910.	U
58-90-2	2,3,4,6-Tetrachlorophenol	1500.	U	1500.	U	1500.	U	1500.	U	1700.	U	1500.	U
134-32-7	1-Naphthylamine	1500.	U	1500.	U	1500.	U	1500.	U	1700.	U	1500.	U
84-66-2	Diethylphthalate	760.	U	770.	U	760.	U	770.	U	860.	U	760.	U
297-97-2	Thionazin	710.	U	710.	U	710.	U	720.	U	800.	U	710.	U
7005-72-3	4-Chlorophenylphenylether	640.	U	640.	U	630.	U	640.	U	710.	U	630.	U
99-55-8	5-Nitro-o-toluidine	1100.	U	1100.	U	1100.	U	1100.	U	1200.	U	1100.	U
86-73-7	Fluorene	730.	U	730.	U	730.	U	740.	U	820.	U	730.	U
100-01-6	4-Nitroaniline	1200.	U	1200.	U	1200.	U	1200.	U	1300.	U	1200.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	1900.	U	1900.	U	1900.	U	1900.	U	2100.	U	1900.	U
86-30-6	N-Nitrosodiphenylamine	1500.	U	1500.	U	1500.	U	1500.	U	1700.	U	1500.	U
122-39-4	Diphenylamine	1500.	U	1500.	U	1500.	U	1500.	U	1700.	U	1500.	U
122-66-7	Hydrazine, 1,2-diphenyl	730.	U	730.	U	730.	UJ	740.	UJ	820.	U	730.	U
99-35-4	1,3,5-Trinitrobenzene	960.	U	970.	U	960.	U	980.	U	1100.	U	960.	U
2303-16-4	Diallate	700.	U	700.	U	690.	U	710.	U	790.	U	690.	U
62-44-2	Phenacetin	650.	U	650.	U	640.	U	650.	U	730.	UJ	640.	UJ
101-55-3	4-Bromophenyl-phenylether	800.	U	800.	U	790.	U	800.	U	890.	U	790.	U
118-74-1	Hexachlorobenzene	820.	U	820.	U	810.	U	830.	U	920.	U	810.	U
60-51-5	Dimethoate	700.	U	700.	U	690.	U	710.	U	790.	UJ	690.	UJ
92-67-1	4-Aminobiphenyl	430.	U	440.	U	430.	U	440.	U	490.	U	430.	U
87-86-5	Pentachlorophenol	1500.	U	1500.	U	1500.	U	1500.	U	1700.	U	1500.	U
23950-58-5	Pronamide	690.	U	690.	U	680.	U	700.	U	770.	UJ	680.	UJ
82-68-8	Pentachloronitrobenzene	680.	U	680.	U	670.	U	690.	U	760.	U	670.	U
85-01-8	Phenanthrene	660.	U	660.	U	650.	U	660.	U	740.	U	650.	U
120-12-7	Anthracene	780.	U	790.	U	780.	U	790.	U	880.	U	780.	U
84-74-2	Di-n-butylphthalate	65.	J	110.	J	89.	J	74.	J	920.	U	810.	U
56-57-5	4-Nitroquinoline 1-oxide	5100.	UR	5100.	U	5100.	UR	5100.	UR	5700.	U	5100.	U
91-80-5	Methapyrilene	1400.	U	1400.	U	1400.	U	1400.	U	1500.	U	1400.	U
6055-19-2	Cyclophosphamide Hydrate	670.	UR	670.	UR	660.	UR	680.	UR	750.	UR	660.	UR
465-73-6	Isodrin	980.	U	980.	U	970.	U	990.	U	1100.	U	970.	U
206-44-0	Fluoranthene	980.	U	980.	U	970.	U	990.	U	1100.	U	970.	U
92-87-5	Benzidine	1700.	U	1700.	U	1700.	U	1700.	U	1900.	U	1700.	U
129-00-0	Pyrene	770.	U	780.	U	770.	U	780.	U	870.	U	770.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	517-S-B004-01	517-S-B004-02	517-S-B005-01	517-S-B005-02	518-S-B001-01	518-S-B001-02
	ORIGINAL ID ----->	517SB00401	517SB00402	517SB00501	517SB00502	518SB00101	518SB00102
	LAB SAMPLE ID --->	698307	698316	698321	698330	699019	699024
	ID FROM REPORT -->	517SB00401	517SB00402	517SB00501	517SB00502	518SB00101	518SB00102
	SAMPLE DATE ----->	04/04/95	04/04/95	04/04/95	04/04/95	04/05/95	04/05/95
	DATE EXTRACTED -->	04/15/95	04/15/95	04/15/95	04/15/95	04/17/95	04/17/95
	DATE ANALYZED --->	04/21/95	04/18/95	04/18/95	04/18/95	04/22/95	04/22/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0004S	VAL	0004S	VAL	0004S	VAL	0004S	VAL	0005S	VAL	0005S	VAL
140-57-8	Aramite	700.	U	700.	U	690.	U	710.	U	790.	U	690.	U
60-11-7	p-(Dimethylamino)azobenzene	710.	U	710.	U	710.	U	720.	U	800.	U	710.	U
510-15-6	Chlorobenzilate	750.	U	760.	U	750.	U	760.	U	850.	U	750.	U
52-85-7	Famphur	2100.	UR	2100.	U	2100.	UR	2100.	UR	2400.	UR	2100.	UR
85-68-7	Butylbenzylphthalate	720.	U	720.	U	720.	U	730.	U	810.	U	720.	U
119-93-7	3,3-Dimethylbenzidine	1000.	U	1000.	U	1000.	U	1000.	U	1200.	U	1000.	U
53-96-3	Acetamidofluorene	750.	U	760.	U	750.	U	760.	U	850.	U	750.	U
119-90-4	3,3'-Dimethoxybenzidine	1000.	U	1000.	U	1000.	U	1000.	U	1200.	U	1000.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	800.	U	800.	U	790.	U	800.	U	890.	U	790.	U
101-14-4	Benzenamine, 4,4'-methylenebis[2chloro-	480.	U	480.	U	470.	U	480.	U	540.	U	470.	U
91-94-1	3,3'-Dichlorobenzidine	530.	U	530.	U	530.	U	540.	U	600.	U	530.	U
56-55-3	Benzo(a)anthracene	700.	U	700.	U	690.	U	710.	U	790.	U	690.	U
218-01-9	Chrysene	570.	U	570.	U	570.	U	580.	U	640.	U	570.	U
117-84-0	Di-n-octyl phthalate	510.	U	510.	U	510.	U	510.	U	570.	U	510.	U
57-97-6	7,12-Dimethylbenz(a)anthracene	430.	U	440.	U	430.	U	440.	U	490.	U	430.	U
205-99-2	Benzo(b)fluoranthene	820.	U	820.	U	810.	U	830.	U	920.	U	810.	U
207-08-9	Benzo(k)fluoranthene	660.	U	660.	U	650.	U	660.	U	740.	U	650.	U
50-32-8	Benzo(a)pyrene	700.	U	700.	U	690.	U	710.	U	790.	U	690.	U
56-49-5	3-Methyl cholanthrene	650.	U	650.	U	640.	U	650.	U	730.	U	640.	U
224-42-0	Dibenz(a,j)acridine	430.	U	440.	U	430.	U	440.	U	490.	U	430.	U
193-39-5	Indeno(1,2,3-cd)pyrene	490.	U	490.	U	480.	U	490.	U	550.	U	480.	U
53-70-3	Dibenz(a,h)anthracene	460.	U	460.	U	450.	U	460.	U	510.	U	450.	U
191-24-2	Benzo(g,h,i)perylene	660.	U	660.	U	650.	U	660.	U	740.	U	650.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	518-S-B002-01	518-S-B002-02	518-S-B003-01	518-S-B003-02	518-S-B004-01	518-C-B004-01
	ORIGINAL ID ----->	518SB00201	518SB00202	518SB00301	518SB00302	518SB00401	518CB00401
	LAB SAMPLE ID --->	698954	698975	699004	699011	698990	699029
	ID FROM REPORT -->	518SB00201	518SB00202	518SB00301	518SB00302	518SB00401	518CB00401
	SAMPLE DATE ----->	04/05/95	04/05/95	04/05/95	04/05/95	04/05/95	04/05/95
	DATE EXTRACTED -->	04/17/95	04/17/95	04/17/95	04/17/95	04/15/95	04/17/95
	DATE ANALYZED --->	04/22/95	04/22/95	04/22/95	04/22/95	04/21/95	04/22/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ----------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0005S	VAL	0005S	VAL	0005S	VAL	0005S	VAL	0004S	VAL	0005S	VAL
62-75-9	N-Nitrosodimethylamine	700.	U	710.	U	690.	U	710.	U	690.	U	690.	U
110-86-1	Pyridine	590.	U	590.	U	580.	U	590.	U	570.	U	580.	U
123-63-7	Paraldehyde	380.	U	390.	U	380.	U	390.	U	370.	U	380.	U
97-63-2	Ethyl methacrylate	630.	U	630.	U	620.	U	630.	U	610.	U	620.	U
109-06-8	2-Picoline	1300.	U	1300.	U	1300.	U	1300.	U	1200.	U	1300.	U
10595-95-6	N-Nitrosomethylethylamine	570.	U	580.	U	570.	U	580.	U	560.	U	570.	U
66-27-3	Methyl methanesulfonate	740.	U	750.	U	740.	U	750.	U	730.	U	740.	U
55-18-5	N-Nitrosodiethylamine	640.	U	650.	U	630.	U	640.	U	620.	U	630.	U
62-50-0	Ethyl methanesulfonate	640.	U	650.	U	630.	U	640.	U	620.	U	630.	U
108-95-2	Phenol	610.	U	610.	U	600.	U	610.	U	590.	U	600.	U
62-53-3	Aniline	600.	U	600.	U	590.	U	600.	U	580.	U	590.	U
111-44-4	bis(2-Chloroethyl)ether	630.	U	630.	U	620.	U	630.	U	610.	U	620.	U
76-01-7	Pentachloroethane	880.	U	890.	U	870.	U	890.	U	860.	U	870.	U
95-57-8	2-Chlorophenol	670.	U	680.	U	660.	U	680.	U	650.	U	660.	U
541-73-1	1,3-Dichlorobenzene	540.	U	550.	U	540.	U	550.	U	530.	U	540.	U
100-44-7	Benzyl chloride	620.	U	620.	U	610.	U	620.	U	600.	U	610.	U
106-46-7	1,4-Dichlorobenzene	550.	U	560.	U	550.	U	560.	U	540.	U	550.	U
100-51-6	Benzyl alcohol	590.	U	590.	U	580.	U	590.	U	570.	U	580.	U
95-50-1	1,2-Dichlorobenzene	630.	U	630.	U	620.	U	630.	U	610.	U	620.	U
95-48-7	2-Methylphenol (o-Cresol)	690.	U	700.	U	680.	U	700.	U	670.	U	680.	U
39638-32-9	Bis(2-Chloroisopropyl)Ether	690.	U	700.	U	680.	U	700.	U	670.	U	680.	U
108-39-4	3-Methylphenol (m-Cresol)	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U
106-44-5	4-Methylphenol (p-Cresol)	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U
930-55-2	N-Nitrosopyrrolidine	560.	U	570.	U	560.	U	570.	U	550.	U	560.	U
621-64-7	N-Nitroso-di-n-propylamine	650.	U	660.	U	640.	U	650.	U	630.	U	640.	U
98-86-2	Acetophenone	700.	U	710.	U	690.	U	710.	U	690.	U	690.	U
59-89-2	N-Nitrosomorpholine	800.	U	810.	U	790.	U	800.	U	780.	U	790.	U
636-21-5	o-Toluidine hydrochloride	2100.	U	2200.	U	2100.	U	2100.	U	2100.	U	2100.	U
67-72-1	Hexachloroethane	640.	U	650.	U	630.	U	640.	U	620.	U	630.	U
98-95-3	Nitrobenzene	720.	U	730.	U	720.	U	730.	U	710.	U	720.	U
100-75-4	N-Nitrosopiperidine	790.	U	800.	U	780.	U	790.	U	770.	U	780.	U
78-59-1	Isophorone	720.	U	730.	U	720.	U	730.	U	710.	U	720.	U
88-75-5	2-Nitrophenol	660.	U	670.	U	650.	U	660.	U	640.	U	650.	U
105-67-9	2,4-Dimethylphenol	650.	U	660.	U	640.	U	650.	U	630.	U	640.	U
108-70-3	1,3,5-Trichlorobenzene	650.	U	660.	U	640.	U	650.	U	630.	U	640.	U
98-87-3	Benzal chloride	560.	U	570.	U	560.	U	570.	U	550.	U	560.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA							
SAMPLE ID ------->	518-S-B002-01	518-S-B002-02	518-S-B003-01	518-S-B003-02	518-S-B004-01	518-C-B004-01
ORIGINAL ID ----->	518SB00201	518SB00202	518SB00301	518SB00302	518SB00401	518CB00401
LAB SAMPLE ID --->	698954	698975	699004	699011	698990	699029
ID FROM REPORT -->	518SB00201	518SB00202	518SB00301	518SB00302	518SB00401	518CB00401
SAMPLE DATE ----->	04/05/95	04/05/95	04/05/95	04/05/95	04/05/95	04/05/95
DATE EXTRACTED -->	04/17/95	04/17/95	04/17/95	04/17/95	04/15/95	04/17/95
DATE ANALYZED --->	04/22/95	04/22/95	04/22/95	04/22/95	04/21/95	04/22/95
MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0005S	VAL	0005S	VAL	0005S	VAL	0005S	VAL	0004S	VAL	0005S	VAL
126-68-1	O,O,O-Triethylphosphorothioate	5600.	U	5700.	U	5600.	U	5700.	U	5500.	U	5600.	U
65-85-0	Benzoic acid	2000.	U	2000.	U	2000.	U	2000.	U	2000.	U	2000.	U
111-91-1	bis(2-Chloroethoxy)methane	710.	U	720.	U	710.	U	720.	U	700.	U	710.	U
120-83-2	2,4-Dichlorophenol	590.	U	590.	U	580.	U	590.	U	570.	U	580.	U
120-82-1	1,2,4-Trichlorobenzene	590.	U	590.	U	580.	U	590.	U	570.	U	580.	U
91-20-3	Naphthalene	700.	U	710.	U	690.	U	710.	U	690.	U	690.	U
106-47-8	4-Chloroaniline	730.	U	740.	U	730.	U	740.	U	720.	U	730.	U
87-65-0	2,6-Dichlorophenol	1300.	U	1300.	U	1300.	U	1300.	U	1200.	U	1300.	U
1888-71-7	Hexachloropropene	610.	U	610.	U	600.	U	610.	U	590.	U	600.	U
87-68-3	Hexachlorobutadiene	600.	U	600.	U	590.	U	600.	U	580.	U	590.	U
87-61-6	1,2,3-Trichlorobenzene	640.	U	650.	U	630.	U	640.	U	620.	U	630.	U
98-07-7	Benzotrichloride	660.	U	670.	U	650.	U	660.	U	640.	U	650.	U
924-16-3	N-Nitroso-di-n-butylamine	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U
59-50-7	4-Chloro-3-methylphenol	800.	U	810.	U	790.	U	800.	U	780.	U	790.	U
94-59-7	Safrole	620.	U	620.	U	610.	U	620.	U	600.	U	610.	U
91-57-6	2-Methylnaphthalene	890.	U	900.	U	880.	U	900.	U	870.	U	880.	U
90-12-0	1-Methyl naphthalene	1200.	U	1200.	U	1200.	U	1200.	U	1100.	U	1200.	U
77-47-4	Hexachlorocyclopentadiene	700.	U	710.	U	690.	U	710.	U	690.	U	690.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U
634-90-2	1,2,3,5-Tetrachlorobenzene	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U
88-06-2	2,4,6-Trichlorophenol	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U
95-95-4	2,4,5-Trichlorophenol	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U
120-58-1	Isosafrole	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U
634-66-2	1,2,3,4-Tetrachlorobenzene	680.	U	690.	U	670.	U	690.	U	660.	U	670.	U
91-58-7	2-Chloronaphthalene	1000.	U	1000.	U	1000.	U	1000.	U	1000.	U	1000.	U
90-13-1	1-Chloronaphthalene	1300.	U	1300.	U	1300.	U	1300.	U	1200.	U	1300.	U
88-74-4	2-Nitroaniline	1200.	U	1200.	U	1200.	U	1200.	U	1100.	U	1200.	U
130-15-4	1,4-Naphthoquinone	1700.	U	1700.	U	1700.	U	1700.	U	1700.	U	1700.	U
131-11-3	Dimethyl phthalate	1000.	U	1000.	U	1000.	U	1000.	U	1000.	U	1000.	U
99-65-0	1,3-Dinitrobenzene	600.	U	600.	U	590.	U	600.	U	580.	U	590.	U
606-20-2	2,6-Dinitrotoluene	800.	U	810.	U	790.	U	800.	U	780.	U	790.	U
208-96-8	Acenaphthylene	710.	U	720.	U	710.	U	720.	U	700.	U	710.	U
99-09-2	3-Nitroaniline	730.	U	740.	U	730.	U	740.	U	720.	U	730.	U
83-32-9	Acenaphthene	700.	U	710.	U	690.	U	710.	U	690.	U	690.	U
51-28-5	2,4-Dinitrophenol	1800.	U	1800.	U	1800.	U	1800.	U	1800.	U	1800.	U
100-02-7	4-Nitrophenol	4800.	U	4800.	U	4700.	U	4800.	U	4700.	U	4700.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	518-S-B002-01	518-S-B002-02	518-S-B003-01	518-S-B003-02	518-S-B004-01	518-C-B004-01
	ORIGINAL ID ----->	518SB00201	518SB00202	518SB00301	518SB00302	518SB00401	518CB00401
	LAB SAMPLE ID --->	698954	698975	699004	699011	698990	699029
	ID FROM REPORT -->	518SB00201	518SB00202	518SB00301	518SB00302	518SB00401	518CB00401
	SAMPLE DATE ----->	04/05/95	04/05/95	04/05/95	04/05/95	04/05/95	04/05/95
	DATE EXTRACTED -->	04/17/95	04/17/95	04/17/95	04/17/95	04/15/95	04/17/95
	DATE ANALYZED --->	04/22/95	04/22/95	04/22/95	04/22/95	04/21/95	04/22/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0005S	VAL	0005S	VAL	0005S	VAL	0005S	VAL	0004S	VAL	0005S	VAL
608-93-5	Pentachlorobenzene	700.	U	710.	U	690.	U	710.	U	690.	U	690.	U
121-14-2	2,4-Dinitrotoluene	700.	U	710.	U	690.	U	710.	U	690.	U	690.	U
132-64-9	Dibenzofuran	730.	U	740.	U	730.	U	740.	U	720.	U	730.	U
91-59-8	2-Naphthylamine	910.	U	920.	U	910.	U	920.	U	890.	U	910.	U
58-90-2	2,3,4,6-Tetrachlorophenol	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U
134-32-7	1-Naphthylamine	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U
84-66-2	Diethylphthalate	770.	U	770.	U	140.	J	770.	U	750.	U	760.	U
297-97-2	Thionazin	710.	U	720.	U	710.	U	720.	U	700.	U	710.	U
7005-72-3	4-Chlorophenylphenylether	640.	U	650.	U	630.	U	640.	U	620.	U	630.	U
99-55-8	5-Nitro-o-toluidine	1100.	U	1100.	U	1100.	U	1100.	U	1000.	U	1100.	U
86-73-7	Fluorene	730.	U	740.	U	40.	J	740.	U	720.	U	730.	U
100-01-6	4-Nitroaniline	1200.	U	1200.	U	1200.	U	1200.	U	1100.	U	1200.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	1900.	U	1900.	U	1900.	U	1900.	U	1900.	U	1900.	U
86-30-6	N-Nitrosodiphenylamine	1500.	U	1500.	U	130.	J	1500.	U	1500.	U	1500.	U
122-39-4	Diphenylamine	1500.	U	1500.	U	130.	J	1500.	U	1500.	U	1500.	U
122-66-7	Hydrazine, 1,2-diphenyl	730.	U	740.	U	730.	U	740.	U	720.	U	730.	U
99-35-4	1,3,5-Trinitrobenzene	970.	U	980.	U	960.	U	980.	U	940.	U	960.	U
2303-16-4	Diallate	700.	U	710.	U	690.	U	710.	U	690.	U	690.	U
62-44-2	Phenacetin	650.	UJ	660.	UJ	640.	UJ	650.	UJ	630.	U	640.	UJ
101-55-3	4-Bromophenyl-phenylether	800.	U	810.	U	790.	U	800.	U	780.	U	790.	U
118-74-1	Hexachlorobenzene	820.	U	830.	U	810.	U	830.	U	800.	U	810.	U
60-51-5	Dimethoate	700.	UJ	710.	UJ	690.	UJ	710.	UJ	690.	U	690.	UJ
92-67-1	4-Aminobiphenyl	440.	U	440.	U	430.	U	440.	U	430.	U	430.	U
87-86-5	Pentachlorophenol	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U
23950-58-5	Pronamide	690.	UJ	700.	UJ	680.	UJ	700.	UJ	670.	U	680.	UJ
82-68-8	Pentachloronitrobenzene	680.	U	690.	U	670.	U	690.	U	660.	U	670.	U
85-01-8	Phenanthrene	84.	J	670.	U	240.	J	660.	U	640.	U	650.	U
120-12-7	Anthracene	790.	U	800.	U	39.	J	790.	U	770.	U	780.	U
84-74-2	Di-n-butylphthalate	820.	U	830.	U	860.		830.	U	40.	J	810.	U
56-57-5	4-Nitroquinoline 1-oxide	5100.	U	5200.	U	5100.	U	5100.	U	5000.	UR	5100.	U
91-80-5	Methapyrilene	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U
6055-19-2	Cyclophosphamide Hydrate	670.	UR	680.	UR	660.	UR	680.	UR	650.	UR	660.	UR
465-73-6	Isodrin	980.	U	990.	U	970.	U	990.	U	960.	U	970.	U
206-44-0	Fluoranthene	270.	J	990.	U	240.	J	990.	U	960.	U	970.	U
92-87-5	Benzidine	1700.	U	1700.	U	1700.	U	1700.	U	1700.	U	1700.	U
129-00-0	Pyrene	240.	J	780.	U	430.	J	780.	U	760.	U	770.	U

*** Validation Complete ***

DATALCP3 09/30/97	CHARLESTON - ZONE C CHARLESTON ZONE C FINAL REPORT	Page: 321 Time: 19:01

SW846-SVOA		518-S-B002-01		518-S-B002-02		518-S-B003-01		518-S-B003-02		518-S-B004-01		518-C-B004-01	
	SAMPLE ID ------->	518-S-B002-01		518-S-B002-02		518-S-B003-01		518-S-B003-02		518-S-B004-01		518-C-B004-01	
	ORIGINAL ID ----->	518SB00201		518SB00202		518SB00301		518SB00302		518SB00401		518CB00401	
	LAB SAMPLE ID --->	698954		698975		699004		699011		698990		699029	
	ID FROM REPORT -->	518SB00201		518SB00202		518SB00301		518SB00302		518SB00401		518CB00401	
	SAMPLE DATE ----->	04/05/95		04/05/95		04/05/95		04/05/95		04/05/95		04/05/95	
	DATE EXTRACTED -->	04/17/95		04/17/95		04/17/95		04/17/95		04/15/95		04/17/95	
	DATE ANALYZED --->	04/22/95		04/22/95		04/22/95		04/22/95		04/21/95		04/22/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0005S	VAL	0005S	VAL	0005S	VAL	0005S	VAL	0004S	VAL	0005S	VAL
140-57-8	Aramite	700.	U	710.	U	690.	U	710.	U	690.	U	690.	U
60-11-7	p-(Dimethylamino)azobenzene	710.	U	720.	U	710.	U	720.	U	700.	U	710.	U
510-15-6	Chlorobenzilate	760.	U	760.	U	750.	U	760.	U	740.	U	750.	U
52-85-7	Famphur	2100.	UR	2200.	UR	2100.	UR	2100.	UR	2100.	UR	2100.	UR
85-68-7	Butylbenzylphthalate	720.	U	730.	U	100.	J	730.	U	710.	U	720.	U
119-93-7	3,3-Dimethylbenzidine	1000.	U	1000.	U	1000.	U	1000.	U	1000.	U	1000.	U
53-96-3	Acetamidofluorene	760.	U	760.	U	750.	U	760.	U	740.	U	750.	U
119-90-4	3,3'-Dimethoxybenzidine	1000.	U	1000.	U	1000.	U	1000.	U	1000.	U	1000.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	490.	J	810.	U	910.		800.	U	780.	U	790.	U
101-14-4	Benzenamine, 4,4'-methylenebis[2chloro-	480.	U	480.	U	470.	U	480.	U	470.	U	470.	U
91-94-1	3,3'-Dichlorobenzidine	530.	U	540.	U	530.	U	540.	U	520.	U	530.	U
56-55-3	Benzo(a)anthracene	140.	J	710.	U	80.	J	710.	U	690.	U	690.	U
218-01-9	Chrysene	150.	J	580.	U	180.	J	580.	U	560.	U	570.	U
117-84-0	Di-n-octyl phthalate	70.	J	520.	U	510.	U	510.	U	500.	U	510.	U
57-97-6	7,12-Dimethylbenz(a)anthracene	440.	U	440.	U	430.	U	440.	U	430.	U	430.	U
205-99-2	Benzo(b)fluoranthene	270.	J	830.	U	200.	J	830.	U	800.	U	810.	U
207-08-9	Benzo(k)fluoranthene	290.	J	670.	U	210.	J	660.	U	640.	U	650.	U
50-32-8	Benzo(a)pyrene	150.	J	710.	U	69.	J	710.	U	690.	U	690.	U
56-49-5	3-Methyl cholanthrene	650.	U	660.	U	640.	U	650.	U	630.	U	640.	U
224-42-0	Dibenz(a,j)acridine	440.	U	440.	U	430.	U	440.	U	430.	U	430.	U
193-39-5	Indeno(1,2,3-cd)pyrene	490.	U	490.	U	480.	U	490.	U	480.	U	480.	U
53-70-3	Dibenz(a,h)anthracene	460.	U	460.	U	450.	U	460.	U	450.	U	450.	U
191-24-2	Benzo(g,h,i)perylene	660.	U	670.	U	650.	U	660.	U	640.	U	650.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	518-S-B004-02	518-S-B005-01	518-S-B005-02	518-C-B006-01	518-S-B007-01	519-S-B001-01
	ORIGINAL ID ----->	518SB00402	518SB00501	518SB00502	518CB00601	518SB00701	519SB00101
	LAB SAMPLE ID --->	698997	698980	698985	736677	736719	706638
	ID FROM REPORT -->	518SB00402	518SB00501	518SB00502	518CB00601	518SB00701	519SB00101
	SAMPLE DATE ----->	04/05/95	04/05/95	04/05/95	06/28/95	06/28/95	04/22/95
	DATE EXTRACTED -->	04/17/95	04/17/95	04/17/95	07/05/95	07/05/95	04/29/95
	DATE ANALYZED --->	04/22/95	04/22/95	04/22/95	07/21/95	07/21/95	05/01/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0005S	VAL	0005S	VAL	0005S	VAL	0021S	VAL	0021S	VAL	0015S	VAL
62-75-9	N-Nitrosodimethylamine	700.	U	710.	U	690.	U	730.	U	730.	U	710.	U
110-86-1	Pyridine	590.	U	590.	U	580.	U	600.	U	600.	U	590.	U
123-63-7	Paraldehyde	380.	U	390.	U	380.	U	400.	U	400.	U	390.	U
97-63-2	Ethyl methacrylate	630.	U	630.	U	620.	U	650.	U	650.	U	640.	UJ
109-06-8	2-Picoline	1300.	U	1300.	U	1300.	U	1300.	U	1300.	U	1300.	U
10595-95-6	N-Nitrosomethylethylamine	570.	U	580.	U	570.	U	590.	U	590.	U	580.	U
66-27-3	Methyl methanesulfonate	740.	U	750.	U	740.	U	770.	U	770.	U	760.	U
55-18-5	N-Nitrosodiethylamine	640.	U	650.	U	630.	U	660.	U	660.	U	650.	U
62-50-0	Ethyl methanesulfonate	640.	U	650.	U	630.	U	660.	U	660.	U	650.	U
108-95-2	Phenol	610.	U	610.	U	600.	U	630.	U	630.	U	620.	U
62-53-3	Aniline	600.	U	600.	U	590.	U	620.	U	620.	U	600.	U
111-44-4	bis(2-Chloroethyl)ether	630.	U	630.	U	620.	U	650.	U	650.	U	640.	U
76-01-7	Pentachloroethane	880.	U	890.	U	870.	U	910.	U	910.	U	900.	U
95-57-8	2-Chlorophenol	670.	U	680.	U	660.	U	690.	U	690.	U	680.	U
541-73-1	1,3-Dichlorobenzene	540.	U	550.	U	540.	U	560.	U	560.	U	550.	U
100-44-7	Benzyl chloride	620.	U	620.	U	610.	U	640.	U	640.	U	630.	U
106-46-7	1,4-Dichlorobenzene	550.	U	560.	U	550.	U	570.	U	570.	U	560.	U
100-51-6	Benzyl alcohol	590.	U	590.	U	580.	U	600.	U	600.	U	590.	U
95-50-1	1,2-Dichlorobenzene	630.	U	630.	U	620.	U	650.	U	650.	U	640.	U
95-48-7	2-Methylphenol (o-Cresol)	690.	U	700.	U	680.	U	710.	U	710.	U	700.	U
39638-32-9	Bis(2-Chloroisopropyl)Ether	690.	U	700.	U	680.	U	710.	U	710.	U	700.	U
108-39-4	3-Methylphenol (m-Cresol)	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U
106-44-5	4-Methylphenol (p-Cresol)	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U
930-55-2	N-Nitrosopyrrolidine	560.	U	570.	U	560.	U	580.	U	580.	U	570.	U
621-64-7	N-Nitroso-di-n-propylamine	650.	U	660.	U	640.	U	670.	U	670.	U	660.	UJ
98-86-2	Acetophenone	700.	U	710.	U	690.	U	730.	U	730.	U	710.	U
59-89-2	N-Nitrosomorpholine	800.	U	810.	U	790.	U	820.	U	820.	U	810.	U
636-21-5	o-Toluidine hydrochloride	2100.	U	2200.	U	2100.	U	2200.	U	2200.	U	2200.	U
67-72-1	Hexachloroethane	640.	U	650.	U	630.	U	660.	U	660.	U	650.	U
98-95-3	Nitrobenzene	720.	U	730.	U	720.	U	750.	U	750.	U	730.	U
100-75-4	N-Nitrosopiperidine	790.	U	800.	U	780.	U	810.	U	810.	U	800.	U
78-59-1	Isophorone	720.	U	730.	U	720.	U	750.	U	750.	U	730.	U
88-75-5	2-Nitrophenol	660.	U	670.	U	650.	U	680.	U	680.	U	670.	U
105-67-9	2,4-Dimethylphenol	650.	U	660.	U	640.	U	670.	U	670.	U	660.	U
108-70-3	1,3,5-Trichlorobenzene	650.	U	660.	U	640.	U	670.	U	670.	U	660.	U
98-87-3	Benzal chloride	560.	U	570.	U	560.	U	580.	U	580.	U	570.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	518-S-B004-02		518-S-B005-01		518-S-B005-02		518-C-B006-01		518-S-B007-01		519-S-B001-01	
	ORIGINAL ID ----->	518SB00402		518SB00501		518SB00502		518CB00601		518SB00701		519SB00101	
	LAB SAMPLE ID --->	698997		698980		698985		736677		736719		706638	
	ID FROM REPORT -->	518SB00402		518SB00501		518SB00502		518CB00601		518SB00701		519SB00101	
	SAMPLE DATE ----->	04/05/95		04/05/95		04/05/95		06/28/95		06/28/95		04/22/95	
	DATE EXTRACTED -->	04/17/95		04/17/95		04/17/95		07/05/95		07/05/95		04/29/95	
	DATE ANALYZED --->	04/22/95		04/22/95		04/22/95		07/21/95		07/21/95		05/01/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0005S	VAL	0005S	VAL	0005S	VAL	0021S	VAL	0021S	VAL	0015S	VAL
126-68-1	O,O,O-Triethylphosphorothioate	5600.	U	5700.	U	5600.	U	5800.	U	5800.	U	5700.	U
65-85-0	Benzoic acid	2000.	U	2000.	U	2000.	U	2100.	U	2100.	U	2100.	U
111-91-1	bis(2-Chloroethoxy)methane	710.	U	720.	U	710.	U	740.	U	740.	U	720.	U
120-83-2	2,4-Dichlorophenol	590.	U	590.	U	580.	U	600.	U	600.	U	590.	U
120-82-1	1,2,4-Trichlorobenzene	590.	U	590.	U	580.	U	600.	U	600.	U	590.	U
91-20-3	Naphthalene	700.	U	710.	U	690.	U	730.	U	730.	U	710.	U
106-47-8	4-Chloroaniline	730.	U	740.	U	730.	U	760.	U	760.	U	740.	U
87-65-0	2,6-Dichlorophenol	1300.	U	1300.	U	1300.	U	1300.	U	1300.	U	1300.	U
1888-71-7	Hexachloropropene	610.	U	610.	U	600.	U	630.	U	630.	U	620.	U
87-68-3	Hexachlorobutadiene	600.	U	600.	U	590.	U	620.	U	620.	U	600.	U
87-61-6	1,2,3-Trichlorobenzene	640.	U	650.	U	630.	U	660.	U	660.	U	650.	U
98-07-7	Benzotrichloride	660.	U	670.	U	650.	U	680.	U	680.	U	670.	U
924-16-3	N-Nitroso-di-n-butylamine	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U
59-50-7	4-Chloro-3-methylphenol	800.	U	810.	U	790.	U	820.	U	820.	U	810.	U
94-59-7	Safrole	620.	U	620.	U	610.	U	640.	U	640.	U	630.	U
91-57-6	2-Methylnaphthalene	890.	U	900.	U	880.	U	920.	U	920.	U	910.	U
90-12-0	1-Methyl naphthalene	1200.	U	1200.	U	1200.	U	1200.	U	1200.	U	1200.	U
77-47-4	Hexachlorocyclopentadiene	700.	U	710.	U	690.	U	730.	U	730.	U	710.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U
634-90-2	1,2,3,5-Tetrachlorobenzene	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U
88-06-2	2,4,6-Trichlorophenol	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U
95-95-4	2,4,5-Trichlorophenol	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U
120-58-1	Isosafrole	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U
634-66-2	1,2,3,4-Tetrachlorobenzene	680.	U	690.	U	670.	U	700.	U	700.	U	690.	U
91-58-7	2-Chloronaphthalene	1000.	U	1000.	U	1000.	U	1100.	U	1100.	U	1000.	U
90-13-1	1-Chloronaphthalene	1300.	U	1300.	U	1300.	U	1300.	U	1300.	U	1300.	U
88-74-4	2-Nitroaniline	1200.	U	1200.	U	1200.	U	1200.	U	1200.	U	1200.	U
130-15-4	1,4-Naphthoquinone	1700.	U	1700.	U	1700.	U	1800.	U	1800.	U	1700.	U
131-11-3	Dimethyl phthalate	1000.	U	1000.	U	1000.	U	1100.	U	1100.	U	1000.	U
99-65-0	1,3-Dinitrobenzene	600.	U	600.	U	590.	U	620.	U	620.	U	600.	U
606-20-2	2,6-Dinitrotoluene	800.	U	810.	U	790.	U	820.	U	820.	U	810.	U
208-96-8	Acenaphthylene	710.	U	720.	U	710.	U	740.	U	740.	U	720.	U
99-09-2	3-Nitroaniline	730.	U	740.	U	730.	U	760.	U	760.	U	740.	U
83-32-9	Acenaphthene	700.	U	710.	U	690.	U	730.	U	730.	U	710.	U
51-28-5	2,4-Dinitrophenol	1800.	U	1800.	U	1800.	U	1900.	U	1900.	U	1800.	U
100-02-7	4-Nitrophenol	4800.	U	4800.	U	4700.	U	4900.	U	4900.	U	4900.	UJ

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------>	518-S-B004-02	518-S-B005-01	518-S-B005-02	518-C-B006-01	518-S-B007-01	519-S-B001-01
	ORIGINAL ID ----->	518SB00402	518SB00501	518SB00502	518CB00601	518SB00701	519SB00101
	LAB SAMPLE ID --->	698997	698980	698985	736677	736719	706638
	ID FROM REPORT -->	518SB00402	518SB00501	518SB00502	518CB00601	518SB00701	519SB00101
	SAMPLE DATE ----->	04/05/95	04/05/95	04/05/95	06/28/95	06/28/95	04/22/95
	DATE EXTRACTED -->	04/17/95	04/17/95	04/17/95	07/05/95	07/05/95	04/29/95
	DATE ANALYZED --->	04/22/95	04/22/95	04/22/95	07/21/95	07/21/95	05/01/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0005S	VAL	0005S	VAL	0005S	VAL	0021S	VAL	0021S	VAL	0015S	VAL
608-93-5	Pentachlorobenzene	700.	U	710.	U	690.	U	730.	U	730.	U	710.	U
121-14-2	2,4-Dinitrotoluene	700.	U	710.	U	690.	U	730.	U	730.	U	710.	U
132-64-9	Dibenzofuran	730.	U	740.	U	730.	U	760.	U	760.	U	740.	U
91-59-8	2-Naphthylamine	910.	U	920.	U	910.	U	940.	U	940.	U	930.	UJ
58-90-2	2,3,4,6-Tetrachlorophenol	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U
134-32-7	1-Naphthylamine	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U
84-66-2	Diethylphthalate	770.	U	770.	U	760.	U	790.	U	790.	U	780.	U
297-97-2	Thionazin	710.	U	720.	U	710.	U	740.	U	740.	U	720.	U
7005-72-3	4-Chlorophenylphenylether	640.	U	650.	U	630.	U	660.	U	660.	U	650.	U
99-55-8	5-Nitro-o-toluidine	1100.	U	1100.	U	1100.	U	1100.	U	1100.	U	1100.	U
86-73-7	Fluorene	730.	U	740.	U	730.	U	760.	U	760.	U	740.	U
100-01-6	4-Nitroaniline	1200.	U	1200.	U	1200.	U	1200.	U	1200.	U	1200.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	1900.	U	1900.	U	1900.	U	2000.	U	2000.	U	1900.	U
86-30-6	N-Nitrosodiphenylamine	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U
122-39-4	Diphenylamine	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U
122-66-7	Hydrazine, 1,2-diphenyl	730.	U	740.	U	730.	U	760.	U	760.	U	740.	U
99-35-4	1,3,5-Trinitrobenzene	970.	U	980.	U	960.	U	1000.	U	1000.	U	980.	U
2303-16-4	Diallate	700.	U	710.	U	690.	U	730.	U	730.	U	710.	U
62-44-2	Phenacetin	650.	UJ	660.	UJ	640.	UJ	670.	U	670.	U	660.	UJ
101-55-3	4-Bromophenyl-phenylether	800.	U	810.	U	790.	U	820.	U	820.	U	810.	U
118-74-1	Hexachlorobenzene	820.	U	830.	U	810.	U	850.	U	850.	U	830.	U
60-51-5	Dimethoate	700.	UJ	710.	UJ	690.	UJ	730.	U	730.	U	710.	UJ
92-67-1	4-Aminobiphenyl	440.	U	440.	U	430.	U	450.	U	450.	U	440.	U
87-86-5	Pentachlorophenol	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U
23950-58-5	Pronamide	690.	UJ	700.	UJ	680.	UJ	710.	U	710.	U	700.	UJ
82-68-8	Pentachloronitrobenzene	680.	U	690.	U	670.	U	700.	U	700.	U	690.	U
85-01-8	Phenanthrene	660.	U	670.	U	650.	U	680.	U	680.	U	670.	U
120-12-7	Anthracene	790.	U	800.	U	780.	U	810.	U	810.	U	800.	U
84-74-2	Di-n-butylphthalate	820.	U	830.	U	40.	J	850.	U	850.	U	830.	U
56-57-5	4-Nitroquinoline 1-oxide	5100.	U	5200.	U	5100.	U	5300.	UR	5300.	UR	5200.	UR
91-80-5	Methapyrilene	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U
6055-19-2	Cyclophosphamide Hydrate	670.	UR	680.	UR	660.	UR	690.	UR	690.	UR	680.	UR
465-73-6	Isodrin	980.	U	990.	U	970.	U	1000.	U	1000.	U	990.	U
206-44-0	Fluoranthene	980.	U	990.	U	970.	U	41.	J	1000.	U	990.	U
92-87-5	Benzidine	1700.	U	1700.	U	1700.	U	1800.	U	1800.	U	1700.	U
129-00-0	Pyrene	780.	U	780.	U	770.	U	43.	J	800.	U	790.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA																					
	SAMPLE ID ------>	518-S-B004-02			518-S-B005-01			518-S-B005-02			518-C-B006-01			518-S-B007-01			519-S-B001-01		
	ORIGINAL ID ----->	518SB00402			518SB00501			518SB00502			518CB00601			518SB00701			519SB00101		
	LAB SAMPLE ID --->	698997			698980			698985			736677			736719			706638		
	ID FROM REPORT -->	518SB00402			518SB00501			518SB00502			518CB00601			518SB00701			519SB00101		
	SAMPLE DATE ----->	04/05/95			04/05/95			04/05/95			06/28/95			06/28/95			04/22/95		
	DATE EXTRACTED -->	04/17/95			04/17/95			04/17/95			07/05/95			07/05/95			04/29/95		
	DATE ANALYZED --->	04/22/95			04/22/95			04/22/95			07/21/95			07/21/95			05/01/95		
	MATRIX ---------->	Soil			Soil			Soil			Soil			Soil			Soil		
	UNITS ---------->	UG/KG			UG/KG			UG/KG			UG/KG			UG/KG			UG/KG		
CAS #	Parameter	0005S		VAL	0005S		VAL	0005S		VAL	0021S		VAL	0021S		VAL	0015S		VAL
140-57-8	Aramite	700.		U	710.		U	690.		U	730.		U	730.		U	710.		U
60-11-7	p-(Dimethylamino)azobenzene	710.		U	720.		U	710.		U	740.		U	740.		U	720.		U
510-15-6	Chlorobenzilate	760.		U	760.		U	750.		U	780.		U	780.		U	770.		UJ
52-85-7	Famphur	2100.		UR	2200.		UR	2100.		UR	2200.		UJ	2200.		UJ	2200.		UJ
85-68-7	Butylbenzylphthalate	720.		U	730.		U	720.		U	750.		U	750.		U	730.		U
119-93-7	3,3-Dimethylbenzidine	1000.		U	1000.		U	1000.		U	1100.		U	1100.		U	1000.		U
53-96-3	Acetamidofluorene	760.		U	760.		U	750.		U	780.		U	780.		U	770.		U
119-90-4	3,3'-Dimethoxybenzidine	1000.		U	1000.		U	1000.		U	1100.		U	1100.		U	1000.		U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	800.		U	810.		U	790.		U	820.		U	820.		U	810.		U
101-14-4	Benzenamine, 4,4'-methylenebis[2chloro-	480.		U	480.		U	470.		U	490.		U	490.		U	490.		U
91-94-1	3,3'-Dichlorobenzidine	530.		U	540.		U	530.		U	550.		U	550.		U	540.		U
56-55-3	Benzo(a)anthracene	700.		U	710.		U	690.		U	730.		U	730.		U	710.		U
218-01-9	Chrysene	570.		U	580.		U	570.		U	590.		U	590.		U	580.		U
117-84-0	Di-n-octyl phthalate	510.		U	520.		U	510.		U	530.		U	530.		U	520.		U
57-97-6	7,12-Dimethylbenz(a)anthracene	440.		U	440.		U	430.		U	450.		U	450.		U	440.		U
205-99-2	Benzo(b)fluoranthene	820.		U	830.		U	810.		U	850.		U	850.		U	830.		U
207-08-9	Benzo(k)fluoranthene	660.		U	670.		U	650.		U	680.		U	680.		U	670.		U
50-32-8	Benzo(a)pyrene	700.		U	710.		U	690.		U	730.		U	730.		U	710.		U
56-49-5	3-Methyl cholanthrene	650.		U	660.		U	640.		U	670.		U	670.		U	660.		U
224-42-0	Dibenz(a,j)acridine	440.		U	440.		U	430.		U	450.		U	450.		U	440.		U
193-39-5	Indeno(1,2,3-cd)pyrene	490.		U	490.		U	480.		U	510.		U	510.		U	500.		U
53-70-3	Dibenz(a,h)anthracene	460.		U	460.		U	450.		U	470.		U	470.		U	460.		U
191-24-2	Benzo(g,h,i)perylene	660.		U	670.		U	650.		U	680.		U	680.		U	670.		U
108-60-1	2,2'-oxybis(1-Chloropropane)	NR			NR			NR			NR			NR			NR		

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------>	519-C-B001-01	519-S-B001-02	519-S-B002-01	519-S-B002-02	519-S-B003-01	519-S-B003-02
	ORIGINAL ID ----->	519CB00101	519SB00102	519SB00201	519SB00202	519SB00301	519SB00302
	LAB SAMPLE ID --->	706644	706662	706673	706679	706685	706695
	ID FROM REPORT -->	519CB00101	519SB00102	519SB00201	519SB00202	519SB00301	519SB00302
	SAMPLE DATE ----->	04/22/95	04/22/95	04/22/95	04/22/95	04/22/95	04/22/95
	DATE EXTRACTED -->	04/29/95	04/29/95	04/29/95	04/29/95	04/29/95	04/29/95
	DATE ANALYZED --->	05/01/95	05/01/95	05/01/95	05/01/95	05/01/95	05/01/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0015S	VAL	0015S	VAL	0015S	VAL	0015S	VAL	0015S	VAL	0015S	VAL
62-75-9	N-Nitrosodimethylamine	700.	U	690.	U	690.	U	650.	U	710.	U	680.	U
110-86-1	Pyridine	590.	U	580.	U	580.	U	540.	U	590.	U	560.	U
123-63-7	Paraldehyde	380.	U	380.	U	380.	U	360.	U	390.	U	370.	U
97-63-2	Ethyl methacrylate	630.	UJ	620.	UJ	620.	UJ	580.	UJ	640.	UJ	600.	UJ
109-06-8	2-Picoline	1300.	U	1300.	U	1300.	U	1200.	U	1300.	U	1200.	U
10595-95-6	N-Nitrosomethylethylamine	580.	U	560.	U	560.	U	530.	U	580.	U	550.	U
66-27-3	Methyl methanesulfonate	750.	U	730.	U	730.	U	690.	U	750.	U	720.	U
55-18-5	N-Nitrosodiethylamine	640.	U	630.	U	630.	U	590.	U	650.	U	610.	U
62-50-0	Ethyl methanesulfonate	640.	U	630.	U	630.	U	590.	U	650.	U	610.	U
108-95-2	Phenol	610.	U	600.	U	600.	U	560.	U	610.	U	580.	U
62-53-3	Aniline	600.	U	590.	U	590.	U	550.	U	600.	U	570.	U
111-44-4	bis(2-Chloroethyl)ether	630.	U	620.	U	620.	U	580.	U	640.	U	600.	U
76-01-7	Pentachloroethane	890.	U	870.	U	870.	U	820.	U	890.	U	850.	U
95-57-8	2-Chlorophenol	670.	U	660.	U	660.	U	620.	U	680.	U	650.	U
541-73-1	1,3-Dichlorobenzene	540.	U	530.	U	530.	U	500.	U	550.	U	520.	U
100-44-7	Benzyl chloride	620.	U	610.	U	610.	U	570.	U	620.	U	590.	U
106-46-7	1,4-Dichlorobenzene	560.	U	540.	U	540.	U	510.	U	560.	U	530.	U
100-51-6	Benzyl alcohol	590.	U	580.	U	580.	U	540.	U	590.	U	560.	U
95-50-1	1,2-Dichlorobenzene	630.	U	620.	U	620.	U	580.	U	640.	U	600.	U
95-48-7	2-Methylphenol (o-Cresol)	690.	U	680.	U	680.	U	640.	U	700.	U	670.	U
39638-32-9	Bis(2-Chloroisopropyl)Ether	690.	U	680.	U	680.	U	640.	U	700.	U	670.	U
108-39-4	3-Methylphenol (m-Cresol)	1400.	U	1400.	U	1400.	U	1300.	U	1400.	U	1300.	U
106-44-5	4-Methylphenol (p-Cresol)	1400.	U	1400.	U	1400.	U	1300.	U	1400.	U	1300.	U
930-55-2	N-Nitrosopyrrolidine	570.	U	550.	U	550.	U	520.	U	570.	U	540.	U
621-64-7	N-Nitroso-di-n-propylamine	650.	UJ	640.	UJ	640.	UJ	600.	UJ	660.	UJ	620.	UJ
98-86-2	Acetophenone	700.	U	690.	U	690.	U	650.	U	710.	U	680.	U
59-89-2	N-Nitrosomorpholine	800.	U	780.	U	780.	U	740.	U	810.	U	770.	U
636-21-5	o-Toluidine hydrochloride	2100.	U	2100.	U	2100.	U	2000.	U	2200.	U	2000.	U
67-72-1	Hexachloroethane	640.	U	630.	U	630.	U	590.	U	650.	U	610.	U
98-95-3	Nitrobenzene	730.	U	710.	U	710.	U	670.	U	730.	UJ	700.	UJ
100-75-4	N-Nitrosopiperidine	790.	U	770.	U	770.	U	730.	U	800.	U	760.	U
78-59-1	Isophorone	730.	U	710.	U	710.	U	670.	U	730.	U	700.	U
88-75-5	2-Nitrophenol	660.	U	650.	U	650.	U	610.	U	670.	U	630.	U
105-67-9	2,4-Dimethylphenol	650.	U	640.	U	640.	U	600.	U	660.	U	620.	U
108-70-3	1,3,5-Trichlorobenzene	650.	U	640.	U	640.	U	600.	U	660.	U	620.	U
98-87-3	Benzal chloride	570.	U	550.	U	550.	U	520.	U	570.	U	540.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	519-C-B001-01	519-S-B001-02	519-S-B002-01	519-S-B002-02	519-S-B003-01	519-S-B003-02
	ORIGINAL ID ----->	519CB00101	519SB00102	519SB00201	519SB00202	519SB00301	519SB00302
	LAB SAMPLE ID --->	706644	706662	706673	706679	706685	706695
	ID FROM REPORT -->	519CB00101	519SB00102	519SB00201	519SB00202	519SB00301	519SB00302
	SAMPLE DATE ----->	04/22/95	04/22/95	04/22/95	04/22/95	04/22/95	04/22/95
	DATE EXTRACTED -->	04/29/95	04/29/95	04/29/95	04/29/95	04/29/95	04/29/95
	DATE ANALYZED --->	05/01/95	05/01/95	05/01/95	05/01/95	05/01/95	05/01/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ----------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0015S	VAL	0015S	VAL	0015S	VAL	0015S	VAL	0015S	VAL	0015S	VAL
126-68-1	O,O,O-Triethylphosphorothioate	5700.	U	5500.	U	5500.	U	5200.	U	5700.	U	5400.	U
65-85-0	Benzoic acid	2000.	U	2000.	U	2000.	U	1900.	U	2000.	U	1900.	U
111-91-1	bis(2-Chloroethoxy)methane	720.	U	700.	U	700.	U	660.	U	720.	U	690.	U
120-83-2	2,4-Dichlorophenol	590.	U	580.	U	580.	U	540.	U	590.	U	560.	U
120-82-1	1,2,4-Trichlorobenzene	590.	U	580.	U	580.	U	540.	U	590.	U	560.	U
91-20-3	Naphthalene	700.	U	690.	U	690.	U	650.	U	710.	U	680.	U
106-47-8	4-Chloroaniline	740.	U	720.	U	720.	U	680.	U	740.	U	710.	U
87-65-0	2,6-Dichlorophenol	1300.	U	1300.	U	1300.	U	1200.	U	1300.	U	1200.	U
1888-71-7	Hexachloropropene	610.	U	600.	U	600.	U	560.	U	610.	U	580.	U
87-68-3	Hexachlorobutadiene	600.	U	590.	U	590.	U	550.	U	600.	U	570.	U
87-61-6	1,2,3-Trichlorobenzene	640.	U	630.	U	630.	U	590.	U	650.	U	610.	U
98-07-7	Benzotrichloride	660.	U	650.	U	650.	U	610.	U	670.	U	630.	U
924-16-3	N-Nitroso-di-n-butylamine	1500.	U	1500.	U	1500.	U	1400.	U	1500.	U	1400.	U
59-50-7	4-Chloro-3-methylphenol	800.	U	780.	U	780.	U	740.	U	810.	U	770.	U
94-59-7	Safrole	620.	U	610.	U	610.	U	570.	U	620.	U	590.	U
91-57-6	2-Methylnaphthalene	900.	U	880.	U	880.	U	830.	U	900.	U	860.	U
90-12-0	1-Methyl naphthalene	1200.	U	1200.	U	1200.	U	1100.	U	1200.	U	1100.	U
77-47-4	Hexachlorocyclopentadiene	700.	U	690.	U	690.	U	650.	U	710.	U	680.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	1400.	U	1400.	U	1400.	U	1300.	U	1400.	U	1300.	U
634-90-2	1,2,3,5-Tetrachlorobenzene	1400.	U	1400.	U	1400.	U	1300.	U	1400.	U	1300.	U
88-06-2	2,4,6-Trichlorophenol	1400.	U	1400.	U	1400.	U	1300.	U	1400.	U	1300.	U
95-95-4	2,4,5-Trichlorophenol	1400.	U	1400.	U	1400.	U	1300.	U	1400.	U	1300.	U
120-58-1	Isosafrole	1400.	U	1400.	U	1400.	U	1300.	U	1400.	U	1300.	U
634-66-2	1,2,3,4-Tetrachlorobenzene	680.	U	670.	U	670.	U	630.	U	690.	U	660.	U
91-58-7	2-Chloronaphthalene	1000.	U	1000.	U	1000.	U	960.	U	1000.	U	990.	U
90-13-1	1-Chloronaphthalene	1300.	U	1300.	U	1300.	U	1200.	U	1300.	U	1200.	U
88-74-4	2-Nitroaniline	1200.	U	1200.	U	1200.	U	1100.	U	1200.	U	1100.	U
130-15-4	1,4-Naphthoquinone	1700.	U	1700.	U	1700.	U	1600.	U	1700.	U	1600.	U
131-11-3	Dimethyl phthalate	1000.	U	1000.	U	1000.	U	960.	U	1000.	U	990.	U
99-65-0	1,3-Dinitrobenzene	600.	U	590.	U	590.	U	550.	U	600.	U	570.	U
606-20-2	2,6-Dinitrotoluene	800.	U	780.	U	780.	U	740.	U	810.	U	770.	U
208-96-8	Acenaphthylene	720.	U	700.	U	700.	U	660.	U	720.	U	690.	U
99-09-2	3-Nitroaniline	740.	U	720.	U	720.	U	680.	U	740.	U	710.	U
83-32-9	Acenaphthene	700.	U	690.	U	690.	U	650.	U	710.	U	680.	U
51-28-5	2,4-Dinitrophenol	1800.	U	1800.	U	1800.	U	1700.	U	1800.	U	1700.	U
100-02-7	4-Nitrophenol	4800.	UJ	4700.	UJ	4700.	UJ	4500.	UJ	4800.	UJ	4600.	UJ

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	519-C-B001-01		519-S-B001-02		519-S-B002-01		519-S-B002-02		519-S-B003-01		519-S-B003-02	
	ORIGINAL ID ----->	519CB00101		519SB00102		519SB00201		519SB00202		519SB00301		519SB00302	
	LAB SAMPLE ID --->	706644		706662		706673		706679		706685		706695	
	ID FROM REPORT -->	519CB00101		519SB00102		519SB00201		519SB00202		519SB00301		519SB00302	
	SAMPLE DATE ----->	04/22/95		04/22/95		04/22/95		04/22/95		04/22/95		04/22/95	
	DATE EXTRACTED -->	04/29/95		04/29/95		04/29/95		04/29/95		04/29/95		04/29/95	
	DATE ANALYZED --->	05/01/95		05/01/95		05/01/95		05/01/95		05/01/95		05/01/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0015S	VAL	0015S	VAL	0015S	VAL	0015S	VAL	0015S	VAL	0015S	VAL
608-93-5	Pentachlorobenzene	700.	U	690.	U	690.	U	650.	U	710.	U	680.	U
121-14-2	2,4-Dinitrotoluene	700.	U	690.	U	690.	U	650.	U	710.	U	680.	U
132-64-9	Dibenzofuran	740.	U	720.	U	720.	U	680.	U	740.	U	710.	U
91-59-8	2-Naphthylamine	920.	UJ	900.	UJ	900.	UJ	850.	UJ	930.	UJ	880.	UJ
58-90-2	2,3,4,6-Tetrachlorophenol	1500.	U	1500.	U	1500.	U	1400.	U	1500.	U	1400.	U
134-32-7	1-Naphthylamine	1500.	U	1500.	U	1500.	U	1400.	U	1500.	U	1400.	U
84-66-2	Diethylphthalate	770.	U	750.	U	750.	U	710.	U	770.	U	740.	U
297-97-2	Thionazin	720.	U	700.	U	700.	U	660.	U	720.	U	690.	U
7005-72-3	4-Chlorophenylphenylether	640.	U	630.	U	630.	U	590.	U	650.	U	610.	U
99-55-8	5-Nitro-o-toluidine	1100.	U	1000.	U	1000.	U	990.	U	1100.	U	1000.	U
86-73-7	Fluorene	740.	U	720.	U	720.	U	680.	U	740.	U	710.	U
100-01-6	4-Nitroaniline	1200.	U	1200.	U	1200.	U	1100.	U	1200.	U	1100.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	1900.	U	1900.	U	1900.	U	1800.	U	1900.	U	1800.	U
86-30-6	N-Nitrosodiphenylamine	1500.	U	1500.	U	1500.	U	1400.	U	1500.	U	1400.	U
122-39-4	Diphenylamine	1500.	U	1500.	U	1500.	U	1400.	U	1500.	U	1400.	U
122-66-7	Hydrazine, 1,2-diphenyl	740.	U	720.	U	720.	U	680.	U	740.	U	710.	U
99-35-4	1,3,5-Trinitrobenzene	970.	U	950.	U	950.	U	900.	U	980.	U	930.	U
2303-16-4	Diallate	700.	U	690.	U	690.	U	650.	U	710.	U	680.	U
62-44-2	Phenacetin	650.	UJ	640.	UJ	640.	UJ	600.	UJ	660.	UJ	620.	UJ
101-55-3	4-Bromophenyl-phenylether	800.	U	780.	U	780.	U	740.	U	810.	U	770.	U
118-74-1	Hexachlorobenzene	820.	U	810.	U	810.	U	760.	U	830.	U	790.	U
60-51-5	Dimethoate	700.	UJ	690.	UJ	690.	UJ	650.	UJ	710.	UJ	680.	UJ
92-67-1	4-Aminobiphenyl	440.	U	430.	U	430.	U	410.	U	440.	U	420.	U
87-86-5	Pentachlorophenol	1500.	U	1500.	U	1500.	U	1400.	U	1500.	U	1400.	U
23950-58-5	Pronamide	690.	UJ	680.	UJ	680.	UJ	640.	UJ	700.	UJ	670.	UJ
82-68-8	Pentachloronitrobenzene	680.	U	670.	U	670.	U	630.	U	690.	U	660.	U
85-01-8	Phenanthrene	660.	U	650.	U	650.	U	610.	U	670.	U	630.	U
120-12-7	Anthracene	790.	U	770.	U	770.	U	730.	U	800.	U	760.	U
84-74-2	Di-n-butylphthalate	820.	U	810.	U	810.	U	760.	U	830.	U	790.	U
56-57-5	4-Nitroquinoline 1-oxide	5100.	UR	5000.	UR	5000.	UR	4800.	UR	5200.	UR	4900.	UR
91-80-5	Methapyrilene	1400.	U	1400.	U	1400.	U	1300.	U	1400.	U	1300.	U
6055-19-2	Cyclophosphamide Hydrate	670.	UR	660.	UR	660.	UR	620.	UR	680.	UR	650.	UR
465-73-6	Isodrin	980.	U	960.	U	960.	U	910.	U	990.	U	940.	U
206-44-0	Fluoranthene	980.	U	960.	U	960.	U	910.	U	990.	U	940.	U
92-87-5	Benzidine	1700.	U	1700.	U	1700.	U	1600.	U	1700.	U	1600.	U
129-00-0	Pyrene	780.	U	760.	U	760.	U	720.	U	790.	U	750.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	519-C-B001-01	519-S-B001-02	519-S-B002-01	519-S-B002-02	519-S-B003-01	519-S-B003-02
	ORIGINAL ID ----->	519CB00101	519SB00102	519SB00201	519SB00202	519SB00301	519SB00302
	LAB SAMPLE ID --->	706644	706662	706673	706679	706685	706695
	ID FROM REPORT -->	519CB00101	519SB00102	519SB00201	519SB00202	519SB00301	519SB00302
	SAMPLE DATE ----->	04/22/95	04/22/95	04/22/95	04/22/95	04/22/95	04/22/95
	DATE EXTRACTED -->	04/29/95	04/29/95	04/29/95	04/29/95	04/29/95	04/29/95
	DATE ANALYZED --->	05/01/95	05/01/95	05/01/95	05/01/95	05/01/95	05/01/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0015S	VAL	0015S	VAL	0015S	VAL	0015S	VAL	0015S	VAL	0015S	VAL
140-57-8	Aramite	700.	U	690.	U	690.	U	650.	U	710.	U	680.	U
60-11-7	p-(Dimethylamino)azobenzene	720.	U	700.	U	700.	U	660.	U	720.	U	690.	U
510-15-6	Chlorobenzilate	760.	UJ	740.	UJ	740.	UJ	700.	UJ	760.	UJ	730.	UJ
52-85-7	Famphur	2100.	UJ	2100.	UJ	2100.	UJ	2000.	UJ	2200.	UJ	2000.	UJ
85-68-7	Butylbenzylphthalate	730.	U	710.	U	710.	U	670.	U	730.	U	700.	U
119-93-7	3,3-Dimethylbenzidine	1000.	U	1000.	U	1000.	U	960.	U	1000.	U	990.	U
53-96-3	Acetamidofluorene	760.	U	740.	U	740.	U	700.	U	760.	U	730.	U
119-90-4	3,3'-Dimethoxybenzidine	1000.	U	1000.	U	1000.	U	960.	U	1000.	U	990.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	800.	U	780.	U	780.	U	740.	U	810.	U	770.	U
101-14-4	Benzenamine, 4,4'-methylenebis[2chloro-	480.	U	470.	U	470.	U	450.	U	480.	U	460.	U
91-94-1	3,3'-Dichlorobenzidine	530.	U	520.	U	520.	U	500.	U	540.	U	510.	U
56-55-3	Benzo(a)anthracene	700.	U	690.	U	690.	U	650.	U	710.	U	680.	U
218-01-9	Chrysene	580.	U	560.	U	560.	U	530.	U	580.	U	550.	U
117-84-0	Di-n-octyl phthalate	510.	U	500.	U	500.	U	480.	U	520.	U	490.	U
57-97-6	7,12-Dimethylbenz(a)anthracene	440.	U	430.	U	430.	U	410.	U	440.	U	420.	U
205-99-2	Benzo(b)fluoranthene	820.	U	810.	U	810.	U	760.	U	830.	U	790.	U
207-08-9	Benzo(k)fluoranthene	660.	U	650.	U	650.	U	610.	U	670.	U	630.	U
50-32-8	Benzo(a)pyrene	700.	U	690.	U	690.	U	650.	U	710.	U	680.	U
56-49-5	3-Methyl cholanthrene	650.	U	640.	U	640.	U	600.	U	660.	U	620.	U
224-42-0	Dibenz(a,j)acridine	440.	U	430.	U	430.	U	410.	U	440.	U	420.	U
193-39-5	Indeno(1,2,3-cd)pyrene	490.	U	480.	U	480.	U	460.	U	500.	U	470.	U
53-70-3	Dibenz(a,h)anthracene	460.	U	450.	U	450.	U	430.	U	460.	U	440.	U
191-24-2	Benzo(g,h,i)perylene	660.	U	650.	U	650.	U	610.	U	670.	U	630.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA													
	SAMPLE ID ------>	519-S-B004-01		519-S-B004-02		519-S-B005-01		519-S-B005-02		519-S-B006-01		519-S-B006-02	
	ORIGINAL ID ----->	519SB00401		519SB00402		519SB00501		519SB00502		519SB00601		519SB00602	
	LAB SAMPLE ID --->	706701		706707		706714		706721		706730		706736	
	ID FROM REPORT -->	519SB00401		519SB00402		519SB00501		519SB00502		519SB00601		519SB00602	
	SAMPLE DATE ----->	04/22/95		04/22/95		04/22/95		04/22/95		04/22/95		04/22/95	
	DATE EXTRACTED -->	04/29/95		04/29/95		04/29/95		04/29/95		04/29/95		04/29/95	
	DATE ANALYZED --->	05/01/95		05/01/95		05/01/95		05/01/95		05/01/95		05/01/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0015S	VAL	0015S	VAL	0015S	VAL	0015S	VAL	0015S	VAL	0015S	VAL
62-75-9	N-Nitrosodimethylamine	700.	U	690.	U	700.	U	700.	U	700.	U	700.	U
110-86-1	Pyridine	590.	U	570.	U	580.	U	580.	U	580.	U	580.	U
123-63-7	Paraldehyde	380.	U	380.	U	380.	U	380.	U	380.	U	380.	U
97-63-2	Ethyl methacrylate	630.	UJ	610.	UJ	620.	UJ	620.	UJ	620.	UJ	620.	UJ
109-06-8	2-Picoline	1300.	U	1300.	U	1300.	U	1300.	U	1300.	U	1300.	U
10595-95-6	N-Nitrosomethylethylamine	580.	U	560.	U	570.	U	570.	U	570.	U	570.	U
66-27-3	Methyl methanesulfonate	750.	U	730.	U	740.	U	740.	U	740.	U	740.	U
55-18-5	N-Nitrosodiethylamine	640.	U	630.	U	630.	U	630.	U	630.	U	630.	U
62-50-0	Ethyl methanesulfonate	640.	U	630.	U	630.	U	630.	U	630.	U	630.	U
108-95-2	Phenol	610.	U	590.	U	600.	U	600.	U	600.	U	600.	U
62-53-3	Aniline	600.	U	580.	U	590.	U	590.	U	590.	U	590.	U
111-44-4	bis(2-Chloroethyl)ether	630.	U	610.	U	620.	U	620.	U	620.	U	620.	U
76-01-7	Pentachloroethane	890.	U	860.	U	880.	U	880.	U	880.	U	870.	U
95-57-8	2-Chlorophenol	670.	U	660.	U	670.	U	670.	U	670.	U	660.	U
541-73-1	1,3-Dichlorobenzene	540.	U	530.	U	540.	U	540.	U	540.	U	540.	U
100-44-7	Benzyl chloride	620.	U	600.	U	610.	U	610.	U	610.	U	610.	U
106-46-7	1,4-Dichlorobenzene	560.	U	540.	U	550.	U	550.	U	550.	U	550.	U
100-51-6	Benzyl alcohol	590.	U	570.	U	580.	U	580.	U	580.	U	580.	U
95-50-1	1,2-Dichlorobenzene	630.	U	610.	U	620.	U	620.	U	620.	U	620.	U
95-48-7	2-Methylphenol (o-Cresol)	690.	U	680.	U	690.	U	690.	U	690.	U	680.	U
39638-32-9	Bis(2-Chloroisopropyl)Ether	690.	U	680.	U	690.	U	690.	U	690.	U	680.	U
108-39-4	3-Methylphenol (m-Cresol)	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U
106-44-5	4-Methylphenol (p-Cresol)	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U
930-55-2	N-Nitrosopyrrolidine	570.	U	550.	U	560.	U	560.	U	560.	U	560.	U
621-64-7	N-Nitroso-di-n-propylamine	650.	UJ	640.	UJ	640.	UJ	640.	UJ	640.	UJ	640.	UJ
98-86-2	Acetophenone	700.	U	690.	U	700.	U	700.	U	700.	U	700.	U
59-89-2	N-Nitrosomorpholine	800.	U	780.	U	790.	U	790.	U	790.	U	790.	U
636-21-5	o-Toluidine hydrochloride	2100.	U	2100.	U	2100.	U	2100.	U	2100.	U	2100.	U
67-72-1	Hexachloroethane	640.	U	630.	U	630.	U	630.	U	630.	U	630.	U
98-95-3	Nitrobenzene	730.	UJ	710.	UJ	720.	UJ	720.	UJ	720.	UJ	720.	UJ
100-75-4	N-Nitrosopiperidine	790.	U	770.	U	780.	U	780.	U	780.	U	780.	U
78-59-1	Isophorone	730.	U	710.	U	720.	U	720.	U	720.	U	720.	U
88-75-5	2-Nitrophenol	660.	U	650.	U	660.	U	660.	U	660.	U	650.	U
105-67-9	2,4-Dimethylphenol	650.	U	640.	U	640.	U	640.	U	640.	U	640.	U
108-70-3	1,3,5-Trichlorobenzene	650.	U	640.	U	640.	U	640.	U	640.	U	640.	U
98-87-3	Benzal chloride	570.	U	550.	U	560.	U	560.	U	560.	U	560.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA													
	SAMPLE ID ------>	519-S-B004-01		519-S-B004-02		519-S-B005-01		519-S-B005-02		519-S-B006-01		519-S-B006-02	
	ORIGINAL ID ----->	519SB00401		519SB00402		519SB00501		519SB00502		519SB00601		519SB00602	
	LAB SAMPLE ID --->	706701		706707		706714		706721		706730		706736	
	ID FROM REPORT -->	519SB00401		519SB00402		519SB00501		519SB00502		519SB00601		519SB00602	
	SAMPLE DATE ----->	04/22/95		04/22/95		04/22/95		04/22/95		04/22/95		04/22/95	
	DATE EXTRACTED -->	04/29/95		04/29/95		04/29/95		04/29/95		04/29/95		04/29/95	
	DATE ANALYZED --->	05/01/95		05/01/95		05/01/95		05/01/95		05/01/95		05/01/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0015S	VAL	0015S	VAL	0015S	VAL	0015S	VAL	0015S	VAL	0015S	VAL
126-68-1	O,O,O-Triethylphosphorothioate	5700.	U	5500.	U	5600.	U	5600.	U	5600.	U	5600.	U
65-85-0	Benzoic acid	2000.	U	2000.	U	2000.	U	2000.	U	2000.	U	2000.	U
111-91-1	bis(2-Chloroethoxy)methane	720.	U	700.	U	710.	U	710.	U	710.	U	710.	U
120-83-2	2,4-Dichlorophenol	590.	U	570.	U	580.	U	580.	U	580.	U	580.	U
120-82-1	1,2,4-Trichlorobenzene	590.	U	570.	U	580.	U	580.	U	580.	U	580.	U
91-20-3	Naphthalene	700.	U	690.	U	700.	U	700.	U	700.	U	700.	U
106-47-8	4-Chloroaniline	740.	U	720.	U	730.	U	730.	U	730.	U	730.	U
87-65-0	2,6-Dichlorophenol	1300.	U	1300.	U	1300.	U	1300.	U	1300.	U	1300.	U
1888-71-7	Hexachloropropene	610.	U	590.	U	600.	U	600.	U	600.	U	600.	U
87-68-3	Hexachlorobutadiene	600.	U	580.	U	590.	U	590.	U	590.	U	590.	U
87-61-6	1,2,3-Trichlorobenzene	640.	U	630.	U	630.	U	630.	U	630.	U	630.	U
98-07-7	Benzotrichloride	660.	U	650.	U	660.	U	660.	U	660.	U	650.	U
924-16-3	N-Nitroso-di-n-butylamine	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U
59-50-7	4-Chloro-3-methylphenol	800.	U	780.	U	790.	U	790.	U	790.	U	790.	U
94-59-7	Safrole	620.	U	600.	U	610.	U	610.	U	610.	U	610.	U
91-57-6	2-Methylnaphthalene	900.	U	880.	U	890.	U	890.	U	890.	U	880.	U
90-12-0	1-Methyl naphthalene	1200.	U	1100.	U	1200.	U	1200.	U	1200.	U	1200.	U
77-47-4	Hexachlorocyclopentadiene	700.	U	690.	U	700.	U	700.	U	700.	U	700.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U
634-90-2	1,2,3,5-Tetrachlorobenzene	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U
88-06-2	2,4,6-Trichlorophenol	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U
95-95-4	2,4,5-Trichlorophenol	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U
120-58-1	Isosafrole	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U
634-66-2	1,2,3,4-Tetrachlorobenzene	680.	U	670.	U	680.	U	680.	U	680.	U	670.	U
91-58-7	2-Chloronaphthalene	1000.	U	1000.	U	1000.	U	1000.	U	1000.	U	1000.	U
90-13-1	1-Chloronaphthalene	1300.	U	1300.	U	1300.	U	1300.	U	1300.	U	1300.	U
88-74-4	2-Nitroaniline	1200.	U	1100.	U	1200.	U	1200.	U	1200.	U	1200.	U
130-15-4	1,4-Naphthoquinone	1700.	U	1700.	U	1700.	U	1700.	U	1700.	U	1700.	U
131-11-3	Dimethyl phthalate	1000.	U	1000.	U	1000.	U	1000.	U	1000.	U	1000.	U
99-65-0	1,3-Dinitrobenzene	600.	U	580.	U	590.	U	590.	U	590.	U	590.	U
606-20-2	2,6-Dinitrotoluene	800.	U	780.	U	790.	U	790.	U	790.	U	790.	U
208-96-8	Acenaphthylene	720.	U	700.	U	710.	U	710.	U	710.	U	710.	U
99-09-2	3-Nitroaniline	740.	U	720.	U	730.	U	730.	U	730.	U	730.	U
83-32-9	Acenaphthene	700.	U	690.	U	700.	U	700.	U	700.	U	700.	U
51-28-5	2,4-Dinitrophenol	1800.	U	1800.	U	1800.	U	1800.	U	1800.	U	1800.	U
100-02-7	4-Nitrophenol	4800.	UJ	4700.	UJ	4800.	UJ	4800.	UJ	4800.	UJ	4700.	UJ

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	519-S-B004-01		519-S-B004-02		519-S-B005-01		519-S-B005-02		519-S-B006-01		519-S-B006-02	
	ORIGINAL ID ----->	519SB00401		519SB00402		519SB00501		519SB00502		519SB00601		519SB00602	
	LAB SAMPLE ID --->	706701		706707		706714		706721		706730		706736	
	ID FROM REPORT -->	519SB00401		519SB00402		519SB00501		519SB00502		519SB00601		519SB00602	
	SAMPLE DATE ----->	04/22/95		04/22/95		04/22/95		04/22/95		04/22/95		04/22/95	
	DATE EXTRACTED -->	04/29/95		04/29/95		04/29/95		04/29/95		04/29/95		04/29/95	
	DATE ANALYZED --->	05/01/95		05/01/95		05/01/95		05/01/95		05/01/95		05/01/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0015S	VAL	0015S	VAL	0015S	VAL	0015S	VAL	0015S	VAL	0015S	VAL
608-93-5	Pentachlorobenzene	700.	U	690.	U	700.	U	700.	U	700.	U	700.	U
121-14-2	2,4-Dinitrotoluene	700.	U	690.	U	700.	U	700.	U	700.	U	700.	U
132-64-9	Dibenzofuran	740.	U	720.	U	730.	U	730.	U	730.	U	730.	U
91-59-8	2-Naphthylamine	920.	UJ	900.	UJ	910.	UJ	910.	UJ	910.	UJ	910.	UJ
58-90-2	2,3,4,6-Tetrachlorophenol	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U
134-32-7	1-Naphthylamine	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U
84-66-2	Diethylphthalate	770.	U	750.	U	760.	U	760.	U	760.	U	760.	U
297-97-2	Thionazin	720.	U	700.	U	710.	U	710.	U	710.	U	710.	U
7005-72-3	4-Chlorophenylphenylether	640.	U	630.	U	630.	U	630.	U	630.	U	630.	U
99-55-8	5-Nitro-o-toluidine	1100.	U	1000.	U	1100.	U	1100.	U	1100.	U	1100.	U
86-73-7	Fluorene	740.	U	720.	U	730.	U	730.	U	730.	U	730.	U
100-01-6	4-Nitroaniline	1200.	U	1100.	U	1200.	U	1200.	U	1200.	U	1200.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	1900.	U	1900.	U	1900.	U	1900.	U	1900.	U	1900.	U
86-30-6	N-Nitrosodiphenylamine	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U
122-39-4	Diphenylamine	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U
122-66-7	Hydrazine, 1,2-diphenyl	740.	U	720.	U	730.	U	730.	U	730.	U	730.	U
99-35-4	1,3,5-Trinitrobenzene	970.	U	950.	U	960.	U	960.	U	960.	U	960.	U
2303-16-4	Diallate	700.	U	690.	U	700.	U	700.	U	700.	U	700.	U
62-44-2	Phenacetin	650.	UJ	640.	UJ	640.	UJ	640.	UJ	640.	UJ	640.	UJ
101-55-3	4-Bromophenyl-phenylether	800.	U	780.	U	790.	U	790.	U	790.	U	790.	U
118-74-1	Hexachlorobenzene	820.	U	800.	U	810.	U	810.	U	810.	U	810.	U
60-51-5	Dimethoate	700.	UJ	690.	UJ	700.	UJ	700.	UJ	700.	UJ	700.	UJ
92-67-1	4-Aminobiphenyl	440.	U	430.	U	430.	U	430.	U	430.	U	430.	U
87-86-5	Pentachlorophenol	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U	1500.	U
23950-58-5	Pronamide	690.	UJ	680.	UJ	690.	UJ	690.	UJ	690.	UJ	680.	UJ
82-68-8	Pentachloronitrobenzene	680.	U	670.	U	680.	U	680.	U	680.	U	670.	U
85-01-8	Phenanthrene	660.	U	650.	U	660.	U	660.	U	660.	U	650.	U
120-12-7	Anthracene	790.	U	770.	U	780.	U	780.	U	780.	U	780.	U
84-74-2	Di-n-butylphthalate	49.	J	800.	U	810.	U	810.	U	810.	U	810.	U
56-57-5	4-Nitroquinoline 1-oxide	5100.	UR	5000.	UR	5100.	UR	5100.	UR	5100.	UR	5100.	UR
91-80-5	Methapyrilene	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U	1400.	U
6055-19-2	Cyclophosphamide Hydrate	670.	UR	660.	UR	670.	UR	670.	UR	670.	UR	660.	UR
465-73-6	Isodrin	980.	U	960.	U	970.	U	970.	U	970.	U	970.	U
206-44-0	Fluoranthene	980.	U	960.	U	970.	U	970.	U	970.	U	970.	U
92-87-5	Benzidine	1700.	U	1700.	U	1700.	U	1700.	U	1700.	U	1700.	U
129-00-0	Pyrene	780.	U	760.	U	770.	U	770.	U	770.	U	770.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	519-S-B004-01		519-S-B004-02		519-S-B005-01		519-S-B005-02		519-S-B006-01		519-S-B006-02	
	ORIGINAL ID ----->	519SB00401		519SB00402		519SB00501		519SB00502		519SB00601		519SB00602	
	LAB SAMPLE ID --->	706701		706707		706714		706721		706730		706736	
	ID FROM REPORT -->	519SB00401		519SB00402		519SB00501		519SB00502		519SB00601		519SB00602	
	SAMPLE DATE ----->	04/22/95		04/22/95		04/22/95		04/22/95		04/22/95		04/22/95	
	DATE EXTRACTED -->	04/29/95		04/29/95		04/29/95		04/29/95		04/29/95		04/29/95	
	DATE ANALYZED --->	05/01/95		05/01/95		05/01/95		05/01/95		05/01/95		05/01/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0015S	VAL	0015S	VAL	0015S	VAL	0015S	VAL	0015S	VAL	0015S	VAL
140-57-8	Aramite	700.	U	690.	U	700.	U	700.	U	700.	U	700.	U
60-11-7	p-(Dimethylamino)azobenzene	720.	U	700.	U	710.	U	710.	U	710.	U	710.	U
510-15-6	Chlorobenzilate	760.	UJ	740.	UJ	750.	UJ	750.	UJ	750.	UJ	750.	UJ
52-85-7	Famphur	2100.	UJ	2100.	UJ	2100.	UJ	2100.	UJ	2100.	UJ	2100.	UJ
85-68-7	Butylbenzylphthalate	730.	U	710.	U	720.	U	720.	U	720.	U	720.	U
119-93-7	3,3-Dimethylbenzidine	1000.	U	1000.	U	1000.	U	1000.	U	1000.	U	1000.	U
53-96-3	Acetamidofluorene	760.	U	740.	U	750.	U	750.	U	750.	U	750.	U
119-90-4	3,3'-Dimethoxybenzidine	1000.	U	1000.	U	1000.	U	1000.	U	1000.	U	1000.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	800.	U	780.	U	790.	U	790.	U	790.	U	790.	U
101-14-4	Benzenamine, 4,4'-methylenebis[2chloro-	480.	U	470.	U	480.	U	480.	U	480.	U	470.	U
91-94-1	3,3'-Dichlorobenzidine	530.	U	520.	U	530.	U	530.	U	530.	U	530.	U
56-55-3	Benzo(a)anthracene	700.	U	690.	U	700.	U	700.	U	700.	U	700.	U
218-01-9	Chrysene	580.	U	560.	U	570.	U	570.	U	570.	U	570.	U
117-84-0	Di-n-octyl phthalate	510.	U	500.	U	510.	U	510.	U	510.	U	510.	U
57-97-6	7,12-Dimethylbenz(a)anthracene	440.	U	430.	U	430.	U	430.	U	430.	U	430.	U
205-99-2	Benzo(b)fluoranthene	820.	U	800.	U	810.	U	810.	U	810.	U	810.	U
207-08-9	Benzo(k)fluoranthene	660.	U	650.	U	660.	U	660.	U	660.	U	650.	U
50-32-8	Benzo(a)pyrene	700.	U	690.	U	700.	U	700.	U	700.	U	700.	U
56-49-5	3-Methyl cholanthrene	650.	U	640.	U	640.	U	640.	U	640.	U	640.	U
224-42-0	Dibenz(a,j)acridine	440.	U	430.	U	430.	U	430.	U	430.	U	430.	U
193-39-5	Indeno(1,2,3-cd)pyrene	490.	U	480.	U	490.	U	490.	U	490.	U	480.	U
53-70-3	Dibenz(a,h)anthracene	460.	U	450.	U	450.	U	450.	U	450.	U	450.	U
191-24-2	Benzo(g,h,i)perylene	660.	U	650.	U	660.	U	660.	U	660.	U	650.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA						
SAMPLE ID ------->	520-S-B001-01	520-S-B001-02	520-S-B002-01	520-S-B002-02	520-S-B003-01	520-S-B003-02
ORIGINAL ID ----->	520SB00101	520SB00102	520SB00201	520SB00202	520SB00301	520SB00302
LAB SAMPLE ID --->	700526	700534	700542	700548	700553	700558
ID FROM REPORT -->	520SB00101	520SB00102	520SB00201	520SB00202	520SB00301	520SB00302
SAMPLE DATE ----->	04/07/95	04/07/95	04/07/95	04/07/95	04/07/95	04/07/95
DATE EXTRACTED -->	04/21/95	04/21/95	04/21/95	04/21/95	04/21/95	04/21/95
DATE ANALYZED --->	04/22/95	04/22/95	04/22/95	04/22/95	04/22/95	04/22/95
MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
UNITS ----------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0005S	VAL	0005S	VAL	0005S	VAL	0005S	VAL	0005S	VAL	0005S	VAL
62-75-9	N-Nitrosodimethylamine	680.	U	670.	U	700.	U	690.	U	730.	U	680.	U
110-86-1	Pyridine	570.	U	560.	U	590.	U	570.	U	610.	U	570.	U
123-63-7	Paraldehyde	370.	U	370.	U	380.	U	380.	U	400.	U	370.	U
97-63-2	Ethyl methacrylate	610.	U	600.	U	630.	U	610.	U	660.	U	610.	U
109-06-8	2-Picoline	1200.	U	1200.	U	1300.	U	1200.	U	1300.	U	1200.	U
10595-95-6	N-Nitrosomethylethylamine	560.	U	550.	U	570.	U	560.	U	600.	U	560.	U
66-27-3	Methyl methanesulfonate	720.	U	710.	U	740.	U	730.	U	780.	U	720.	U
55-18-5	N-Nitrosodiethylamine	620.	U	610.	U	640.	U	620.	U	670.	U	620.	U
62-50-0	Ethyl methanesulfonate	620.	U	610.	U	640.	U	620.	U	670.	U	620.	U
108-95-2	Phenol	590.	U	580.	U	610.	U	590.	U	630.	U	590.	U
62-53-3	Aniline	580.	U	570.	U	600.	U	580.	U	620.	U	580.	U
111-44-4	bis(2-Chloroethyl)ether	610.	U	600.	U	630.	U	610.	U	660.	U	610.	U
76-01-7	Pentachloroethane	860.	U	850.	U	880.	U	860.	U	920.	U	860.	U
95-57-8	2-Chlorophenol	650.	U	640.	U	670.	U	660.	U	700.	U	650.	U
541-73-1	1,3-Dichlorobenzene	530.	U	520.	U	540.	U	530.	U	570.	U	530.	U
100-44-7	Benzyl chloride	600.	U	590.	U	620.	U	600.	U	640.	U	600.	U
106-46-7	1,4-Dichlorobenzene	540.	U	530.	U	550.	U	540.	U	580.	U	540.	U
100-51-6	Benzyl alcohol	570.	U	560.	U	590.	U	570.	U	610.	U	570.	U
95-50-1	1,2-Dichlorobenzene	610.	U	600.	U	630.	U	610.	U	660.	U	610.	U
95-48-7	2-Methylphenol (o-Cresol)	670.	U	660.	U	690.	U	680.	U	720.	U	670.	U
39638-32-9	Bis(2-Chloroisopropyl)Ether	670.	U	660.	U	690.	U	680.	U	720.	U	670.	U
108-39-4	3-Methylphenol (m-Cresol)	1300.	U	1300.	U	1400.	U	1400.	U	1400.	U	1300.	U
106-44-5	4-Methylphenol (p-Cresol)	1300.	U	1300.	U	1400.	U	1400.	U	1400.	U	1300.	U
930-55-2	N-Nitrosopyrrolidine	550.	U	540.	U	560.	U	550.	U	590.	U	550.	U
621-64-7	N-Nitroso-di-n-propylamine	630.	U	620.	U	650.	U	640.	U	680.	U	630.	U
98-86-2	Acetophenone	680.	U	670.	U	700.	U	690.	U	730.	U	680.	U
59-89-2	N-Nitrosomorpholine	770.	U	770.	U	800.	U	780.	U	830.	U	770.	U
636-21-5	o-Toluidine hydrochloride	2100.	U	2000.	U	2100.	U	2100.	U	2200.	U	2100.	U
67-72-1	Hexachloroethane	620.	U	610.	U	640.	U	620.	U	670.	U	620.	U
98-95-3	Nitrobenzene	700.	U	690.	U	720.	U	710.	U	760.	U	700.	U
100-75-4	N-Nitrosopiperidine	760.	U	760.	U	790.	U	770.	U	820.	U	760.	U
78-59-1	Isophorone	700.	U	690.	U	720.	U	710.	U	760.	U	700.	U
88-75-5	2-Nitrophenol	640.	U	630.	U	660.	U	650.	U	690.	U	640.	U
105-67-9	2,4-Dimethylphenol	630.	U	620.	U	650.	U	640.	U	680.	U	630.	U
108-70-3	1,3,5-Trichlorobenzene	630.	U	620.	U	650.	U	640.	U	680.	U	630.	U
98-87-3	Benzal chloride	550.	U	540.	U	560.	U	550.	U	590.	U	550.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	520-S-B001-01	520-S-B001-02	520-S-B002-01	520-S-B002-02	520-S-B003-01	520-S-B003-02
	ORIGINAL ID ----->	520SB00101	520SB00102	520SB00201	520SB00202	520SB00301	520SB00302
	LAB SAMPLE ID --->	700526	700534	700542	700548	700553	700558
	ID FROM REPORT -->	520SB00101	520SB00102	520SB00201	520SB00202	520SB00301	520SB00302
	SAMPLE DATE ----->	04/07/95	04/07/95	04/07/95	04/07/95	04/07/95	04/07/95
	DATE EXTRACTED -->	04/21/95	04/21/95	04/21/95	04/21/95	04/21/95	04/21/95
	DATE ANALYZED --->	04/22/95	04/22/95	04/22/95	04/22/95	04/22/95	04/22/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0005S	VAL	0005S	VAL	0005S	VAL	0005S	VAL	0005S	VAL	0005S	VAL
126-68-1	O,O,O-Triethylphosphorothioate	5500.	U	5400.	U	5600.	U	5500.	U	5900.	U	5500.	U
65-85-0	Benzoic acid	2000.	U	1900.	U	2000.	U	2000.	U	2100.	U	2000.	U
111-91-1	bis(2-Chloroethoxy)methane	690.	U	680.	U	710.	U	700.	U	740.	U	690.	U
120-83-2	2,4-Dichlorophenol	570.	U	560.	U	590.	U	570.	U	610.	U	570.	U
120-82-1	1,2,4-Trichlorobenzene	570.	U	560.	U	590.	U	570.	U	610.	U	570.	U
91-20-3	Naphthalene	680.	U	670.	U	700.	U	690.	U	730.	U	680.	U
106-47-8	4-Chloroaniline	710.	U	700.	U	730.	U	720.	U	770.	U	710.	U
87-65-0	2,6-Dichlorophenol	1200.	U	1200.	U	1300.	U	1200.	U	1300.	U	1200.	U
1888-71-7	Hexachloropropene	590.	U	580.	U	610.	U	590.	U	630.	U	590.	U
87-68-3	Hexachlorobutadiene	580.	U	570.	U	600.	U	580.	U	620.	U	580.	U
87-61-6	1,2,3-Trichlorobenzene	620.	U	610.	U	640.	U	620.	U	670.	U	620.	U
98-07-7	Benzotrichloride	640.	U	630.	U	660.	U	650.	U	690.	U	640.	U
924-16-3	N-Nitroso-di-n-butylamine	1400.	U	1400.	U	1500.	U	1500.	U	1600.	U	1400.	U
59-50-7	4-Chloro-3-methylphenol	770.	U	770.	U	800.	U	780.	U	830.	U	770.	U
94-59-7	Safrole	600.	U	590.	U	620.	U	600.	U	640.	U	600.	U
91-57-6	2-Methylnaphthalene	870.	U	860.	U	890.	U	880.	U	930.	U	870.	U
90-12-0	1-Methyl naphthalene	1100.	U	1100.	U	1200.	U	1100.	U	1200.	U	1100.	U
77-47-4	Hexachlorocyclopentadiene	680.	U	670.	U	700.	U	690.	U	730.	U	680.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	1300.	U	1300.	U	1400.	U	1400.	U	1400.	U	1300.	U
634-90-2	1,2,3,5-Tetrachlorobenzene	1300.	U	1300.	U	1400.	U	1400.	U	1400.	U	1300.	U
88-06-2	2,4,6-Trichlorophenol	1300.	U	1300.	U	1400.	U	1400.	U	1400.	U	1300.	U
95-95-4	2,4,5-Trichlorophenol	1300.	U	1300.	U	1400.	U	1400.	U	1400.	U	1300.	U
120-58-1	Isosafrole	1300.	U	1300.	U	1400.	U	1400.	U	1400.	U	1300.	U
634-66-2	1,2,3,4-Tetrachlorobenzene	660.	U	650.	U	680.	U	670.	U	710.	U	660.	U
91-58-7	2-Chloronaphthalene	1000.	U	990.	U	1000.	U	1000.	U	1100.	U	1000.	U
90-13-1	1-Chloronaphthalene	1200.	U	1200.	U	1300.	U	1200.	U	1300.	U	1200.	U
88-74-4	2-Nitroaniline	1100.	U	1100.	U	1200.	U	1100.	U	1200.	U	1100.	U
130-15-4	1,4-Naphthoquinone	1600.	U	1600.	U	1700.	U	1700.	U	1800.	U	1600.	U
131-11-3	Dimethyl phthalate	1000.	U	990.	U	1000.	U	1000.	U	1100.	U	1000.	U
99-65-0	1,3-Dinitrobenzene	580.	U	570.	U	600.	U	580.	U	620.	U	580.	U
606-20-2	2,6-Dinitrotoluene	770.	U	770.	U	800.	U	780.	U	830.	U	770.	U
208-96-8	Acenaphthylene	690.	U	680.	U	710.	U	700.	U	740.	U	690.	U
99-09-2	3-Nitroaniline	710.	U	700.	U	730.	U	720.	U	770.	U	710.	U
83-32-9	Acenaphthene	680.	U	670.	U	700.	U	690.	U	730.	U	680.	U
51-28-5	2,4-Dinitrophenol	1800.	U	1700.	U	1800.	U	1800.	U	1900.	U	1800.	U
100-02-7	4-Nitrophenol	4600.	U	4600.	U	4800.	U	4700.	U	5000.	U	4600.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA						
SAMPLE ID ------->	520-S-B001-01	520-S-B001-02	520-S-B002-01	520-S-B002-02	520-S-B003-01	520-S-B003-02
ORIGINAL ID ----->	520SB00101	520SB00102	520SB00201	520SB00202	520SB00301	520SB00302
LAB SAMPLE ID --->	700526	700534	700542	700548	700553	700558
ID FROM REPORT -->	520SB00101	520SB00102	520SB00201	520SB00202	520SB00301	520SB00302
SAMPLE DATE ----->	04/07/95	04/07/95	04/07/95	04/07/95	04/07/95	04/07/95
DATE EXTRACTED -->	04/21/95	04/21/95	04/21/95	04/21/95	04/21/95	04/21/95
DATE ANALYZED --->	04/22/95	04/22/95	04/22/95	04/22/95	04/22/95	04/22/95
MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0005S	VAL	0005S	VAL	0005S	VAL	0005S	VAL	0005S	VAL	0005S	VAL
608-93-5	Pentachlorobenzene	680.	U	670.	U	700.	U	690.	U	730.	U	680.	U
121-14-2	2,4-Dinitrotoluene	680.	U	670.	U	700.	U	690.	U	730.	U	680.	U
132-64-9	Dibenzofuran	710.	U	700.	U	730.	U	720.	U	770.	U	710.	U
91-59-8	2-Naphthylamine	890.	U	880.	U	910.	U	900.	U	960.	U	890.	U
58-90-2	2,3,4,6-Tetrachlorophenol	1400.	U	1400.	U	1500.	U	1500.	U	1600.	U	1400.	U
134-32-7	1-Naphthylamine	1400.	U	1400.	U	1500.	U	1500.	U	1600.	U	1400.	U
84-66-2	Diethylphthalate	740.	U	730.	U	770.	U	750.	U	800.	U	740.	U
297-97-2	Thionazin	690.	U	680.	U	710.	U	700.	U	740.	U	690.	U
7005-72-3	4-Chlorophenylphenylether	620.	U	610.	U	640.	U	620.	U	670.	U	620.	U
99-55-8	5-Nitro-o-toluidine	1000.	U	1000.	U	1100.	U	1000.	U	1100.	U	1000.	U
86-73-7	Fluorene	710.	U	700.	U	730.	U	720.	U	770.	U	710.	U
100-01-6	4-Nitroaniline	1100.	U	1100.	U	1200.	U	1100.	U	1200.	U	1100.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	1900.	U	1800.	U	1900.	U	1900.	U	2000.	U	1900.	U
86-30-6	N-Nitrosodiphenylamine	1400.	U	1400.	U	1500.	U	1500.	U	1600.	U	1400.	U
122-39-4	Diphenylamine	1400.	U	1400.	U	1500.	U	1500.	U	1600.	U	1400.	U
122-66-7	Hydrazine, 1,2-diphenyl	710.	U	700.	U	730.	U	720.	U	770.	U	710.	U
99-35-4	1,3,5-Trinitrobenzene	940.	U	930.	U	970.	U	950.	U	1000.	U	940.	U
2303-16-4	Diallate	680.	U	670.	U	700.	U	690.	U	730.	U	680.	U
62-44-2	Phenacetin	630.	U	620.	U	650.	U	640.	U	680.	U	630.	U
101-55-3	4-Bromophenyl-phenylether	770.	U	770.	U	800.	U	780.	U	830.	U	770.	U
118-74-1	Hexachlorobenzene	790.	U	790.	U	820.	U	800.	U	860.	U	790.	U
60-51-5	Dimethoate	680.	U	670.	U	700.	U	690.	U	730.	U	680.	U
92-67-1	4-Aminobiphenyl	420.	U	420.	U	440.	U	430.	U	460.	U	420.	U
87-86-5	Pentachlorophenol	1400.	U	1400.	U	1500.	U	1500.	U	1600.	U	1400.	U
23950-58-5	Pronamide	670.	U	660.	U	690.	U	680.	U	720.	U	670.	U
82-68-8	Pentachloronitrobenzene	660.	U	650.	U	680.	U	670.	U	710.	U	660.	U
85-01-8	Phenanthrene	120.	J	630.	U	660.	U	650.	U	690.	U	640.	U
120-12-7	Anthracene	760.	U	760.	U	790.	U	770.	U	820.	U	760.	U
84-74-2	Di-n-butylphthalate	790.	U	790.	U	820.	U	800.	U	45.	J	790.	U
56-57-5	4-Nitroquinoline 1-oxide	4900.	UR	4900.	UR	5100.	UR	5000.	UR	5300.	UR	4900.	UR
91-80-5	Methapyrilene	1300.	UJ	1300.	UJ	1400.	UJ	1400.	UJ	1400.	UJ	1300.	UJ
6055-19-2	Cyclophosphamide Hydrate	650.	UR	640.	UR	670.	UR	660.	UR	700.	UR	650.	UR
465-73-6	Isodrin	950.	U	940.	U	980.	U	960.	U	1000.	U	950.	U
206-44-0	Fluoranthene	280.	J	940.	U	980.	U	960.	U	1000.	U	950.	U
92-87-5	Benzidine	1600.	U	1600.	U	1700.	U	1700.	U	1800.	U	1600.	U
129-00-0	Pyrene	200.	J	740.	U	780.	U	760.	U	810.	U	750.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------>	520-S-B001-01	520-S-B001-02	520-S-B002-01	520-S-B002-02	520-S-B003-01	520-S-B003-02
	ORIGINAL ID ----->	520SB00101	520SB00102	520SB00201	520SB00202	520SB00301	520SB00302
	LAB SAMPLE ID --->	700526	700534	700542	700548	700553	700558
	ID FROM REPORT -->	520SB00101	520SB00102	520SB00201	520SB00202	520SB00301	520SB00302
	SAMPLE DATE ----->	04/07/95	04/07/95	04/07/95	04/07/95	04/07/95	04/07/95
	DATE EXTRACTED -->	04/21/95	04/21/95	04/21/95	04/21/95	04/21/95	04/21/95
	DATE ANALYZED --->	04/22/95	04/22/95	04/22/95	04/22/95	04/22/95	04/22/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0005S	VAL	0005S	VAL	0005S	VAL	0005S	VAL	0005S	VAL	0005S	VAL
140-57-8	Aramite	680.	U	670.	U	700.	U	690.	U	730.	U	680.	U
60-11-7	p-(Dimethylamino)azobenzene	690.	U	680.	U	710.	U	700.	U	740.	U	690.	U
510-15-6	Chlorobenzilate	730.	U	720.	U	760.	U	740.	U	790.	U	730.	U
52-85-7	Famphur	2100.	UR	2000.	UR	2100.	UR	2100.	UR	2200.	UR	2100.	UR
85-68-7	Butylbenzylphthalate	700.	U	690.	U	720.	U	710.	U	760.	U	700.	U
119-93-7	3,3-Dimethylbenzidine	1000.	U	990.	U	1000.	U	1000.	U	1100.	U	1000.	U
53-96-3	Acetamidofluorene	730.	U	720.	U	760.	U	740.	U	790.	U	730.	U
119-90-4	3,3'-Dimethoxybenzidine	1000.	U	990.	U	1000.	U	1000.	U	1100.	U	1000.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	770.	U	770.	U	800.	U	780.	U	830.	U	770.	U
101-14-4	Benzenamine, 4,4'-methylenebis[2chloro-	460.	U	460.	U	480.	U	470.	U	500.	U	460.	U
91-94-1	3,3'-Dichlorobenzidine	520.	U	510.	U	530.	U	520.	U	560.	U	520.	U
56-55-3	Benzo(a)anthracene	170.	J	670.	U	700.	U	690.	U	730.	U	680.	U
218-01-9	Chrysene	170.	J	550.	U	570.	U	560.	U	600.	U	560.	U
117-84-0	Di-n-octyl phthalate	490.	U	490.	U	510.	U	500.	U	530.	U	490.	U
57-97-6	7,12-Dimethylbenz(a)anthracene	420.	U	420.	U	440.	U	430.	U	460.	U	420.	U
205-99-2	Benzo(b)fluoranthene	790.	U	790.	U	820.	U	800.	U	860.	U	790.	U
207-08-9	Benzo(k)fluoranthene	640.	U	630.	U	660.	U	650.	U	690.	U	640.	U
50-32-8	Benzo(a)pyrene	680.	U	670.	U	700.	U	690.	U	730.	U	680.	U
56-49-5	3-Methyl cholanthrene	630.	U	620.	U	650.	U	640.	U	680.	U	630.	U
224-42-0	Dibenz(a,j)acridine	420.	U	420.	U	440.	U	430.	U	460.	U	420.	U
193-39-5	Indeno(1,2,3-cd)pyrene	470.	U	470.	U	490.	U	480.	U	510.	U	470.	U
53-70-3	Dibenz(a,h)anthracene	440.	U	440.	U	460.	U	450.	U	480.	U	440.	U
191-24-2	Benzo(g,h,i)perylene	640.	U	630.	U	660.	U	650.	U	690.	U	640.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	520-C-B003-02	520-S-B004-01	520-S-B004-02	520-S-B005-01	520-S-B005-02	520-S-B006-01
	ORIGINAL ID ----->	520CB00302	520SB00401	520SB00402	520SB00501	520SB00502	520SB00601
	LAB SAMPLE ID --->	701018	700563	700584	700589	700594	700599
	ID FROM REPORT -->	520CB00302	520SB00401	520SB00402	520SB00501	520SB00502	520SB00601
	SAMPLE DATE ----->	04/07/95	04/07/95	04/07/95	04/07/95	04/07/95	04/07/95
	DATE EXTRACTED -->	04/19/95	04/15/95	04/13/95	04/13/95	04/15/95	04/13/95
	DATE ANALYZED --->	04/22/95	04/17/95	04/13/95	04/13/95	04/17/95	04/13/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0006S	VAL	0006S	VAL	0006S	VAL	0006S	VAL	0006S	VAL	0006S	VAL
62-75-9	N-Nitrosodimethylamine	680.	U	690.	UJ	670.	U	690.	U	680.	UJ	700.	U
110-86-1	Pyridine	570.	U	570.	U	560.	U	580.	U	570.	U	580.	U
123-63-7	Paraldehyde	370.	U	370.	U	370.	U	380.	U	370.	U	380.	U
97-63-2	Ethyl methacrylate	610.	U	610.	U	600.	U	620.	U	610.	U	620.	U
109-06-8	2-Picoline	1200.	U	1200.	U	1200.	U	1300.	U	1200.	U	1300.	U
10595-95-6	N-Nitrosomethylethylamine	550.	U	560.	U	550.	U	560.	U	550.	U	570.	U
66-27-3	Methyl methanesulfonate	720.	U	730.	U	710.	U	730.	U	720.	U	740.	U
55-18-5	N-Nitrosodiethylamine	620.	U	620.	U	610.	U	630.	U	620.	U	630.	U
62-50-0	Ethyl methanesulfonate	620.	U	620.	U	610.	U	630.	U	620.	U	630.	U
108-95-2	Phenol	590.	U	590.	U	580.	U	600.	U	590.	U	600.	U
62-53-3	Aniline	580.	U	580.	U	570.	U	590.	U	580.	U	590.	U
111-44-4	bis(2-Chloroethyl)ether	610.	U	610.	U	600.	U	620.	U	610.	U	620.	U
76-01-7	Pentachloroethane	850.	U	860.	U	850.	U	870.	U	850.	U	870.	U
95-57-8	2-Chlorophenol	650.	U	650.	U	640.	U	660.	U	650.	U	660.	U
541-73-1	1,3-Dichlorobenzene	520.	U	530.	U	520.	U	530.	U	520.	U	540.	U
100-44-7	Benzyl chloride	600.	U	600.	U	590.	U	610.	U	600.	U	610.	U
106-46-7	1,4-Dichlorobenzene	530.	U	540.	U	530.	U	540.	U	530.	U	550.	U
100-51-6	Benzyl alcohol	570.	U	570.	UJ	560.	U	580.	U	570.	UJ	580.	U
95-50-1	1,2-Dichlorobenzene	610.	U	610.	U	600.	U	620.	U	610.	U	620.	U
95-48-7	2-Methylphenol (o-Cresol)	670.	U	670.	U	660.	U	680.	U	670.	U	680.	U
39638-32-9	Bis(2-Chloroisopropyl)Ether	670.	U	670.	U	660.	U	680.	U	670.	U	680.	U
108-39-4	3-Methylphenol (m-Cresol)	1300.	U	1400.	U	1300.	U	1400.	U	1300.	U	1400.	U
106-44-5	4-Methylphenol (p-Cresol)	1300.	U	1400.	U	1300.	U	1400.	U	1300.	U	1400.	U
930-55-2	N-Nitrosopyrrolidine	540.	U	550.	UJ	540.	UJ	550.	UJ	540.	UJ	560.	UJ
621-64-7	N-Nitroso-di-n-propylamine	630.	U	630.	U	620.	U	640.	U	630.	U	640.	U
98-86-2	Acetophenone	680.	U	690.	U	670.	U	690.	U	680.	U	700.	U
59-89-2	N-Nitrosomorpholine	770.	U	780.	U	770.	U	780.	U	770.	U	790.	U
636-21-5	o-Toluidine hydrochloride	2100.	U	2100.	U	2000.	U	2100.	U	2100.	U	2100.	U
67-72-1	Hexachloroethane	620.	U	620.	U	610.	U	630.	U	620.	U	630.	U
98-95-3	Nitrobenzene	700.	U	710.	U	690.	U	710.	U	700.	U	720.	U
100-75-4	N-Nitrosopiperidine	760.	U	770.	U	760.	U	770.	U	760.	U	780.	U
78-59-1	Isophorone	700.	U	710.	U	690.	U	710.	U	700.	U	720.	U
88-75-5	2-Nitrophenol	640.	U	640.	U	630.	U	650.	U	640.	U	650.	U
105-67-9	2,4-Dimethylphenol	630.	U	630.	U	620.	U	640.	U	630.	U	640.	U
108-70-3	1,3,5-Trichlorobenzene	630.	U	630.	U	620.	U	640.	U	630.	U	640.	U
98-87-3	Benzal chloride	540.	UR	550.	UR	540.	U	550.	U	540.	UR	560.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	520-C-B003-02		520-S-B004-01		520-S-B004-02		520-S-B005-01		520-S-B005-02		520-S-B006-01	
	ORIGINAL ID ----->	520CB00302		520SB00401		520SB00402		520SB00501		520SB00502		520SB00601	
	LAB SAMPLE ID --->	701018		700563		700584		700589		700594		700599	
	ID FROM REPORT -->	520CB00302		520SB00401		520SB00402		520SB00501		520SB00502		520SB00601	
	SAMPLE DATE ----->	04/07/95		04/07/95		04/07/95		04/07/95		04/07/95		04/07/95	
	DATE EXTRACTED -->	04/19/95		04/15/95		04/13/95		04/13/95		04/15/95		04/13/95	
	DATE ANALYZED --->	04/22/95		04/17/95		04/13/95		04/13/95		04/17/95		04/13/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0006S	VAL	0006S	VAL	0006S	VAL	0006S	VAL	0006S	VAL	0006S	VAL
126-68-1	O,O,O-Triethylphosphorothioate	5400.	U	5500.	U	5400.	U	5500.	U	5400.	U	5600.	U
65-85-0	Benzoic acid	2000.	UR	2000.	UJ	1900.	UJ	2000.	UJ	2000.	UJ	2000.	UJ
111-91-1	bis(2-Chloroethoxy)methane	690.	U	700.	U	680.	U	700.	U	690.	U	710.	U
120-83-2	2,4-Dichlorophenol	570.	U	570.	U	560.	U	580.	U	570.	U	580.	U
120-82-1	1,2,4-Trichlorobenzene	570.	U	570.	U	560.	U	580.	U	570.	U	580.	U
91-20-3	Naphthalene	680.	U	690.	U	670.	U	690.	U	680.	U	700.	U
106-47-8	4-Chloroaniline	710.	U	720.	U	700.	U	720.	U	710.	U	730.	U
87-65-0	2,6-Dichlorophenol	1200.	U	1200.	U	1200.	U	1300.	U	1200.	U	1300.	U
1888-71-7	Hexachloropropene	590.	U	590.	U	580.	U	600.	U	590.	U	600.	U
87-68-3	Hexachlorobutadiene	580.	U	580.	U	570.	U	590.	U	580.	U	590.	U
87-61-6	1,2,3-Trichlorobenzene	620.	U	620.	U	610.	U	630.	U	620.	U	630.	U
98-07-7	Benzotrichloride	640.	U	640.	U	630.	U	650.	U	640.	U	650.	U
924-16-3	N-Nitroso-di-n-butylamine	1400.	U	1500.	U	1400.	U	1500.	U	1400.	U	1500.	U
59-50-7	4-Chloro-3-methylphenol	770.	U	780.	U	770.	U	780.	U	770.	U	790.	U
94-59-7	Safrole	600.	U	600.	U	590.	U	610.	U	600.	U	610.	U
91-57-6	2-Methylnaphthalene	860.	UJ	870.	U	860.	U	880.	U	860.	U	880.	U
90-12-0	1-Methyl naphthalene	1100.	UJ	1100.	U	1100.	U	1200.	U	1100.	U	1200.	U
77-47-4	Hexachlorocyclopentadiene	680.	U	690.	U	670.	U	690.	U	680.	U	700.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	1300.	U	1400.	U	1300.	U	1400.	U	1300.	U	1400.	U
634-90-2	1,2,3,5-Tetrachlorobenzene	1300.	U	1400.	U	1300.	U	1400.	U	1300.	U	1400.	U
88-06-2	2,4,6-Trichlorophenol	1300.	U	1400.	U	1300.	U	1400.	U	1300.	U	1400.	U
95-95-4	2,4,5-Trichlorophenol	1300.	U	1400.	U	1300.	U	1400.	U	1300.	U	1400.	U
120-58-1	Isosafrole	1300.	U	1400.	U	1300.	U	1400.	U	1300.	U	1400.	U
634-66-2	1,2,3,4-Tetrachlorobenzene	660.	U	660.	U	650.	U	670.	U	660.	U	670.	U
91-58-7	2-Chloronaphthalene	1000.	U	1000.	U	990.	U	1000.	U	1000.	U	1000.	U
90-13-1	1-Chloronaphthalene	1200.	U	1200.	U	1200.	U	1300.	U	1200.	U	1300.	U
88-74-4	2-Nitroaniline	1100.	U	1100.	U	1100.	U	1200.	U	1100.	U	1200.	U
130-15-4	1,4-Naphthoquinone	1600.	U	1700.	U	1600.	U	1700.	U	1600.	U	1700.	U
131-11-3	Dimethyl phthalate	1000.	U	1000.	U	990.	U	1000.	U	1000.	U	1000.	U
99-65-0	1,3-Dinitrobenzene	580.	U	580.	U	570.	U	590.	U	580.	U	590.	U
606-20-2	2,6-Dinitrotoluene	770.	U	780.	U	770.	U	780.	U	770.	U	790.	U
208-96-8	Acenaphthylene	690.	U	700.	U	680.	U	700.	U	690.	U	710.	U
99-09-2	3-Nitroaniline	710.	U	720.	U	700.	U	720.	U	710.	U	730.	U
83-32-9	Acenaphthene	680.	U	690.	U	670.	U	690.	U	680.	U	700.	U
51-28-5	2,4-Dinitrophenol	1700.	U	1800.	U	1700.	U	1800.	U	1700.	U	1800.	U
100-02-7	4-Nitrophenol	4600.	U	4700.	U	4600.	U	4700.	U	4600.	U	4700.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	520-C-B003-02		520-S-B004-01		520-S-B004-02		520-S-B005-01		520-S-B005-02		520-S-B006-01	
	ORIGINAL ID ----->	520CB00302		520SB00401		520SB00402		520SB00501		520SB00502		520SB00601	
	LAB SAMPLE ID --->	701018		700563		700584		700589		700594		700599	
	ID FROM REPORT -->	520CB00302		520SB00401		520SB00402		520SB00501		520SB00502		520SB00601	
	SAMPLE DATE ----->	04/07/95		04/07/95		04/07/95		04/07/95		04/07/95		04/07/95	
	DATE EXTRACTED -->	04/19/95		04/15/95		04/13/95		04/13/95		04/15/95		04/13/95	
	DATE ANALYZED --->	04/22/95		04/17/95		04/13/95		04/13/95		04/17/95		04/13/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0006S	VAL	0006S	VAL	0006S	VAL	0006S	VAL	0006S	VAL	0006S	VAL
608-93-5	Pentachlorobenzene	680.	U	690.	U	670.	U	690.	U	680.	U	700.	U
121-14-2	2,4-Dinitrotoluene	680.	U	690.	U	670.	U	690.	U	680.	U	700.	U
132-64-9	Dibenzofuran	710.	U	720.	U	700.	U	720.	U	710.	U	730.	U
91-59-8	2-Naphthylamine	880.	U	890.	U	880.	U	900.	U	880.	U	910.	U
58-90-2	2,3,4,6-Tetrachlorophenol	1400.	U	1500.	U	1400.	U	1500.	U	1400.	U	1500.	U
134-32-7	1-Naphthylamine	1400.	U	1500.	U	1400.	U	1500.	U	1400.	U	1500.	U
84-66-2	Diethylphthalate	740.	U	750.	U	730.	U	750.	U	740.	U	760.	U
297-97-2	Thionazin	690.	U	700.	U	680.	U	700.	U	690.	U	710.	U
7005-72-3	4-Chlorophenylphenylether	620.	U	620.	U	610.	U	630.	U	620.	U	630.	U
99-55-8	5-Nitro-o-toluidine	1000.	UJ	1000.	U	1000.	U	1000.	U	1000.	U	1100.	U
86-73-7	Fluorene	710.	U	720.	U	700.	U	720.	U	710.	U	730.	U
100-01-6	4-Nitroaniline	1100.	U	1100.	U	1100.	U	1200.	U	1100.	U	1200.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	1800.	U	1900.	U	1800.	U	1900.	U	1800.	U	1900.	U
86-30-6	N-Nitrosodiphenylamine	1400.	U	1500.	U	1400.	U	1500.	U	1400.	U	1500.	U
122-39-4	Diphenylamine	1400.	U	1500.	U	1400.	U	1500.	U	1400.	U	1500.	U
122-66-7	Hydrazine, 1,2-diphenyl	710.	U	720.	U	700.	U	720.	U	710.	U	730.	U
99-35-4	1,3,5-Trinitrobenzene	940.	U	940.	U	930.	U	950.	U	940.	U	960.	U
2303-16-4	Diallate	680.	U	690.	UJ	670.	U	690.	U	680.	UJ	700.	U
62-44-2	Phenacetin	630.	U	630.	U	620.	U	640.	U	630.	U	640.	U
101-55-3	4-Bromophenyl-phenylether	770.	U	780.	U	770.	U	780.	U	770.	U	790.	U
118-74-1	Hexachlorobenzene	790.	U	800.	U	790.	U	810.	U	790.	U	810.	U
60-51-5	Dimethoate	680.	U	690.	U	670.	U	690.	U	680.	U	700.	U
92-67-1	4-Aminobiphenyl	420.	U	430.	U	420.	U	430.	U	420.	U	430.	U
87-86-5	Pentachlorophenol	1400.	U	1500.	U	1400.	U	1500.	U	1400.	U	1500.	U
23950-58-5	Pronamide	670.	U	670.	U	660.	U	680.	U	670.	U	680.	U
82-68-8	Pentachloronitrobenzene	660.	U	660.	U	650.	U	670.	U	660.	U	670.	U
85-01-8	Phenanthrene	640.	U	640.	U	630.	U	650.	U	640.	U	650.	U
120-12-7	Anthracene	760.	U	770.	U	760.	U	770.	U	760.	U	780.	U
84-74-2	Di-n-butylphthalate	91.	J	800.	U	790.	U	810.	U	790.	U	810.	U
56-57-5	4-Nitroquinoline 1-oxide	4900.	UR	5000.	UR	4900.	UR	5000.	UR	4900.	UR	5100.	UR
91-80-5	Methapyrilene	1300.	U	1400.	U	1300.	U	1400.	U	1300.	U	1400.	U
6055-19-2	Cyclophosphamide Hydrate	650.	UR	650.	UR	640.	UR	660.	UR	650.	UR	660.	UR
465-73-6	Isodrin	950.	U	960.	U	940.	U	960.	U	950.	U	970.	U
206-44-0	Fluoranthene	950.	U	960.	U	940.	U	960.	U	950.	U	970.	U
92-87-5	Benzidine	1600.	U	1700.	U	1600.	U	1700.	U	1600.	U	1700.	U
129-00-0	Pyrene	750.	U	760.	U	750.	U	760.	U	750.	U	770.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	520-C-B003-02	520-S-B004-01	520-S-B004-02	520-S-B005-01	520-S-B005-02	520-S-B006-01
	ORIGINAL ID ----->	520CB00302	520SB00401	520SB00402	520SB00501	520SB00502	520SB00601
	LAB SAMPLE ID --->	701018	700563	700584	700589	700594	700599
	ID FROM REPORT -->	520CB00302	520SB00401	520SB00402	520SB00501	520SB00502	520SB00601
	SAMPLE DATE ----->	04/07/95	04/07/95	04/07/95	04/07/95	04/07/95	04/07/95
	DATE EXTRACTED -->	04/19/95	04/15/95	04/13/95	04/13/95	04/15/95	04/13/95
	DATE ANALYZED --->	04/22/95	04/17/95	04/13/95	04/13/95	04/17/95	04/13/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0006S	VAL	0006S	VAL	0006S	VAL	0006S	VAL	0006S	VAL	0006S	VAL
140-57-8	Aramite	680.	UR	690.	U	670.	U	690.	U	680.	U	700.	U
60-11-7	p-(Dimethylamino)azobenzene	690.	U	700.	U	680.	U	700.	U	690.	U	710.	U
510-15-6	Chlorobenzilate	730.	U	740.	U	720.	U	740.	U	730.	U	750.	U
52-85-7	Famphur	2100.	UR	2100.	UR	2000.	U	2100.	U	2100.	UR	2100.	U
85-68-7	Butylbenzylphthalate	700.	U	710.	U	690.	U	710.	U	700.	U	720.	U
119-93-7	3,3-Dimethylbenzidine	1000.	U	1000.	U	990.	U	1000.	U	1000.	U	1000.	U
53-96-3	Acetamidofluorene	730.	U	740.	U	720.	U	740.	U	730.	U	750.	U
119-90-4	3,3'-Dimethoxybenzidine	1000.	U	1000.	U	990.	U	1000.	U	1000.	U	1000.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	770.	U	780.	U	770.	U	780.	U	770.	U	790.	U
101-14-4	Benzenamine, 4,4'-methylenebis[2chloro-	460.	U	470.	U	460.	U	470.	U	460.	U	470.	U
91-94-1	3,3'-Dichlorobenzidine	510.	U	520.	U	510.	U	520.	U	510.	U	530.	U
56-55-3	Benzo(a)anthracene	680.	U	690.	U	670.	U	690.	U	680.	U	700.	U
218-01-9	Chrysene	550.	U	560.	U	550.	U	560.	U	550.	U	570.	U
117-84-0	Di-n-octyl phthalate	490.	U	500.	U	490.	U	500.	U	490.	U	510.	U
57-97-6	7,12-Dimethylbenz(a)anthracene	420.	U	430.	U	420.	U	430.	U	420.	U	430.	U
205-99-2	Benzo(b)fluoranthene	790.	U	800.	U	790.	U	810.	U	790.	U	810.	U
207-08-9	Benzo(k)fluoranthene	640.	U	640.	U	630.	U	650.	U	640.	U	650.	U
50-32-8	Benzo(a)pyrene	680.	U	690.	U	670.	U	690.	U	680.	U	700.	U
56-49-5	3-Methyl cholanthrene	630.	U	630.	U	620.	U	640.	U	630.	U	640.	U
224-42-0	Dibenz(a,j)acridine	420.	U	430.	UJ	420.	U	430.	U	420.	UJ	430.	U
193-39-5	Indeno(1,2,3-cd)pyrene	470.	U	480.	U	470.	U	480.	U	470.	U	480.	U
53-70-3	Dibenz(a,h)anthracene	440.	U	450.	U	440.	U	450.	U	440.	U	450.	U
191-24-2	Benzo(g,h,i)perylene	640.	U	640.	U	630.	U	650.	U	640.	U	650.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	520-S-B006-02	523-S-B001-01	523-S-B001-02	523-S-B002-01	523-S-B002-02	523-C-B002-02
	ORIGINAL ID ----->	520SB00602	523SB00101	523SB00102	523SB00201	523SB00202	523CB00202
	LAB SAMPLE ID --->	700604	697993	698006	698000	697988	698012
	ID FROM REPORT -->	520SB00602	523SB00101	523SB00102	523SB00201	523SB00202	523CB00202
	SAMPLE DATE ----->	04/07/95	04/03/95	04/03/95	04/03/95	04/03/95	04/03/95
	DATE EXTRACTED -->	04/13/95	04/15/95	04/15/95	04/15/95	04/15/95	04/15/95
	DATE ANALYZED --->	04/13/95	04/21/95	04/21/95	04/21/95	04/21/95	04/21/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0006S	VAL	0004S	VAL	0004S	VAL	0004S	VAL	0004S	VAL	0004S	VAL
62-75-9	N-Nitrosodimethylamine	670.	U	730.	U	790.	U	710.	U	750.	U	750.	U
110-86-1	Pyridine	560.	U	600.	U	650.	U	590.	U	620.	U	620.	U
123-63-7	Paraldehyde	370.	U	400.	U	430.	U	390.	U	410.	U	410.	U
97-63-2	Ethyl methacrylate	600.	U	650.	U	700.	U	640.	U	670.	U	670.	U
109-06-8	2-Picoline	1200.	U	1300.	U	1400.	U	1300.	U	1400.	U	1400.	U
10595-95-6	N-Nitrosomethylethylamine	550.	U	590.	U	640.	U	580.	U	610.	U	610.	U
66-27-3	Methyl methanesulfonate	710.	U	770.	U	830.	U	760.	U	800.	U	800.	U
55-18-5	N-Nitrosodiethylamine	610.	U	660.	U	710.	U	650.	U	680.	U	680.	U
62-50-0	Ethyl methanesulfonate	610.	U	660.	U	710.	U	650.	U	680.	U	680.	U
108-95-2	Phenol	580.	U	630.	U	680.	U	620.	U	650.	U	650.	U
62-53-3	Aniline	570.	U	620.	U	670.	U	600.	U	640.	U	640.	U
111-44-4	bis(2-Chloroethyl)ether	600.	U	650.	U	700.	U	640.	U	670.	U	670.	U
76-01-7	Pentachloroethane	850.	U	910.	U	990.	U	900.	U	940.	U	940.	U
95-57-8	2-Chlorophenol	640.	U	690.	U	750.	U	680.	U	720.	U	720.	U
541-73-1	1,3-Dichlorobenzene	520.	U	560.	U	610.	U	550.	U	580.	U	580.	U
100-44-7	Benzyl chloride	590.	U	640.	U	690.	U	630.	U	660.	U	660.	U
106-46-7	1,4-Dichlorobenzene	530.	U	570.	U	620.	U	560.	U	590.	U	590.	U
100-51-6	Benzyl alcohol	560.	U	600.	U	650.	U	590.	U	620.	U	620.	U
95-50-1	1,2-Dichlorobenzene	600.	U	650.	U	700.	U	640.	U	670.	U	670.	U
95-48-7	2-Methylphenol (o-Cresol)	660.	U	710.	U	770.	U	700.	U	740.	U	740.	U
39638-32-9	Bis(2-Chloroisopropyl)Ether	660.	U	710.	U	770.	U	700.	U	740.	U	740.	U
108-39-4	3-Methylphenol (m-Cresol)	1300.	U	1400.	U	1500.	U	1400.	U	1500.	U	1500.	U
106-44-5	4-Methylphenol (p-Cresol)	1300.	U	1400.	U	1500.	U	1400.	U	1500.	U	1500.	U
930-55-2	N-Nitrosopyrrolidine	540.	UJ	580.	U	630.	U	570.	U	600.	U	600.	U
621-64-7	N-Nitroso-di-n-propylamine	620.	U	670.	U	730.	U	660.	U	690.	U	690.	U
98-86-2	Acetophenone	670.	U	730.	U	790.	U	710.	U	750.	U	750.	U
59-89-2	N-Nitrosomorpholine	770.	U	820.	U	890.	U	810.	U	850.	U	850.	U
636-21-5	o-Toluidine hydrochloride	2000.	U	2200.	U	2400.	U	2200.	U	2300.	U	2300.	U
67-72-1	Hexachloroethane	610.	U	660.	U	710.	U	650.	U	680.	U	680.	U
98-95-3	Nitrobenzene	690.	U	750.	U	810.	U	730.	U	770.	U	770.	U
100-75-4	N-Nitrosopiperidine	760.	U	810.	U	880.	U	800.	U	840.	U	840.	U
78-59-1	Isophorone	690.	U	750.	U	810.	U	730.	U	770.	U	770.	U
88-75-5	2-Nitrophenol	630.	U	680.	U	740.	U	670.	U	700.	U	700.	U
105-67-9	2,4-Dimethylphenol	620.	U	670.	U	730.	U	660.	U	690.	U	690.	U
108-70-3	1,3,5-Trichlorobenzene	620.	U	670.	U	730.	U	660.	U	690.	U	690.	U
98-87-3	Benzal chloride	540.	U	580.	U	630.	U	570.	U	600.	U	600.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	520-S-B006-02	523-S-B001-01	523-S-B001-02	523-S-B002-01	523-S-B002-02	523-C-B002-02
	ORIGINAL ID ----->	520SB00602	523SB00101	523SB00102	523SB00201	523SB00202	523CB00202
	LAB SAMPLE ID --->	700604	697993	698006	698000	697988	698012
	ID FROM REPORT -->	520SB00602	523SB00101	523SB00102	523SB00201	523SB00202	523CB00202
	SAMPLE DATE ----->	04/07/95	04/03/95	04/03/95	04/03/95	04/03/95	04/03/95
	DATE EXTRACTED -->	04/13/95	04/15/95	04/15/95	04/15/95	04/15/95	04/15/95
	DATE ANALYZED --->	04/13/95	04/21/95	04/21/95	04/21/95	04/21/95	04/21/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0006S	VAL	0004S	VAL	0004S	VAL	0004S	VAL	0004S	VAL	0004S	VAL
126-68-1	O,O,O-Triethylphosphorothioate	5400.	U	5800.	U	6300.	U	5700.	U	6000.	U	6000.	U
65-85-0	Benzoic acid	1900.	UJ	2100.	U	2300.	U	2100.	U	2200.	U	2200.	U
111-91-1	bis(2-Chloroethoxy)methane	680.	U	740.	U	800.	U	720.	U	760.	U	760.	U
120-83-2	2,4-Dichlorophenol	560.	U	600.	U	650.	U	590.	U	620.	U	620.	U
120-82-1	1,2,4-Trichlorobenzene	560.	U	600.	U	650.	U	590.	U	620.	U	620.	U
91-20-3	Naphthalene	670.	U	730.	U	790.	U	710.	U	750.	U	750.	U
106-47-8	4-Chloroaniline	700.	U	760.	U	820.	U	740.	U	780.	U	780.	U
87-65-0	2,6-Dichlorophenol	1200.	U	1300.	U	1400.	U	1300.	U	1400.	U	1400.	U
1888-71-7	Hexachloropropene	580.	U	630.	U	680.	U	620.	U	650.	U	650.	U
87-68-3	Hexachlorobutadiene	570.	U	620.	U	670.	U	600.	U	640.	U	640.	U
87-61-6	1,2,3-Trichlorobenzene	610.	U	660.	U	710.	U	650.	U	680.	U	680.	U
98-07-7	Benzotrichloride	630.	U	680.	U	740.	U	670.	U	700.	U	700.	U
924-16-3	N-Nitroso-di-n-butylamine	1400.	U	1500.	U	1700.	U	1500.	U	1600.	U	1600.	U
59-50-7	4-Chloro-3-methylphenol	770.	U	820.	U	890.	U	810.	U	850.	U	850.	U
94-59-7	Safrole	590.	U	640.	U	690.	U	630.	U	660.	U	660.	U
91-57-6	2-Methylnaphthalene	860.	U	920.	U	1000.	U	910.	U	950.	U	950.	U
90-12-0	1-Methyl naphthalene	1100.	U	1200.	U	1300.	U	1200.	U	1200.	U	1200.	U
77-47-4	Hexachlorocyclopentadiene	670.	U	730.	U	790.	U	710.	U	750.	U	750.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	1300.	U	1400.	U	1500.	U	1400.	U	1500.	U	1500.	U
634-90-2	1,2,3,5-Tetrachlorobenzene	1300.	U	1400.	U	1500.	U	1400.	U	1500.	U	1500.	U
88-06-2	2,4,6-Trichlorophenol	1300.	U	1400.	U	1500.	U	1400.	U	1500.	U	1500.	U
95-95-4	2,4,5-Trichlorophenol	1300.	U	1400.	U	1500.	U	1400.	U	1500.	U	1500.	U
120-58-1	Isosafrole	1300.	U	1400.	U	1500.	U	1400.	U	1500.	U	1500.	U
634-66-2	1,2,3,4-Tetrachlorobenzene	650.	U	700.	U	760.	U	690.	U	730.	U	730.	U
91-58-7	2-Chloronaphthalene	990.	U	1100.	U	1200.	U	1000.	U	1100.	U	1100.	U
90-13-1	1-Chloronaphthalene	1200.	U	1300.	U	1400.	U	1300.	U	1400.	U	1400.	U
88-74-4	2-Nitroaniline	1100.	U	1200.	U	1300.	U	1200.	U	1200.	U	1200.	U
130-15-4	1,4-Naphthoquinone	1600.	U	1800.	U	1900.	U	1700.	U	1800.	U	1800.	U
131-11-3	Dimethyl phthalate	990.	U	1100.	U	1200.	U	1000.	U	1100.	U	1100.	U
99-65-0	1,3-Dinitrobenzene	570.	U	620.	U	670.	U	600.	U	640.	U	640.	U
606-20-2	2,6-Dinitrotoluene	770.	U	820.	U	890.	U	810.	U	850.	U	850.	U
208-96-8	Acenaphthylene	680.	U	740.	U	800.	U	720.	U	760.	U	760.	U
99-09-2	3-Nitroaniline	700.	U	760.	U	820.	U	740.	U	780.	U	780.	U
83-32-9	Acenaphthene	670.	U	730.	U	790.	U	710.	U	750.	U	750.	U
51-28-5	2,4-Dinitrophenol	1700.	U	1900.	U	2000.	U	1800.	U	1900.	U	1900.	U
100-02-7	4-Nitrophenol	4600.	U	4900.	U	5400.	U	4900.	U	5100.	U	5100.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	520-S-B006-02	523-S-B001-01	523-S-B001-02	523-S-B002-01	523-S-B002-02	523-C-B002-02
	ORIGINAL ID ----->	520SB00602	523SB00101	523SB00102	523SB00201	523SB00202	523CB00202
	LAB SAMPLE ID --->	700604	697993	698006	698000	697988	698012
	ID FROM REPORT -->	520SB00602	523SB00101	523SB00102	523SB00201	523SB00202	523CB00202
	SAMPLE DATE ----->	04/07/95	04/03/95	04/03/95	04/03/95	04/03/95	04/03/95
	DATE EXTRACTED -->	04/13/95	04/15/95	04/15/95	04/15/95	04/15/95	04/15/95
	DATE ANALYZED --->	04/13/95	04/21/95	04/21/95	04/21/95	04/21/95	04/21/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ----------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0006S	VAL	0004S	VAL	0004S	VAL	0004S	VAL	0004S	VAL	0004S	VAL
608-93-5	Pentachlorobenzene	670.	U	730.	U	790.	U	710.	U	750.	U	750.	U
121-14-2	2,4-Dinitrotoluene	670.	U	730.	U	790.	U	710.	U	750.	U	750.	U
132-64-9	Dibenzofuran	700.	U	760.	U	820.	U	740.	U	780.	U	780.	U
91-59-8	2-Naphthylamine	880.	U	940.	U	1000.	U	930.	U	980.	U	980.	U
58-90-2	2,3,4,6-Tetrachlorophenol	1400.	U	1500.	U	1700.	U	1500.	U	1600.	U	1600.	U
134-32-7	1-Naphthylamine	1400.	U	1500.	U	1700.	U	1500.	U	1600.	U	1600.	U
84-66-2	Diethylphthalate	730.	U	790.	U	860.	U	780.	U	820.	U	820.	U
297-97-2	Thionazin	680.	U	740.	U	800.	U	720.	U	760.	U	760.	U
7005-72-3	4-Chlorophenylphenylether	610.	U	660.	U	710.	U	650.	U	680.	U	680.	U
99-55-8	5-Nitro-o-toluidine	1000.	U	1100.	U	1200.	U	1100.	U	1100.	U	1100.	U
86-73-7	Fluorene	700.	U	760.	U	820.	U	740.	U	780.	U	780.	U
100-01-6	4-Nitroaniline	1100.	U	1200.	U	1300.	U	1200.	U	1200.	U	1200.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	1800.	U	2000.	U	2100.	U	1900.	U	2000.	U	2000.	U
86-30-6	N-Nitrosodiphenylamine	1400.	U	1500.	U	1700.	U	1500.	U	1600.	U	1600.	U
122-39-4	Diphenylamine	1400.	U	1500.	U	1700.	U	1500.	U	1600.	U	1600.	U
122-66-7	Hydrazine, 1,2-diphenyl	700.	U	760.	U	820.	U	740.	U	780.	U	780.	U
99-35-4	1,3,5-Trinitrobenzene	930.	U	1000.	U	1100.	U	980.	U	1000.	U	1000.	U
2303-16-4	Diallate	670.	U	730.	U	790.	U	710.	U	750.	U	750.	U
62-44-2	Phenacetin	620.	U	670.	U	730.	U	660.	U	690.	U	690.	U
101-55-3	4-Bromophenyl-phenylether	770.	U	820.	U	890.	U	810.	U	850.	U	850.	U
118-74-1	Hexachlorobenzene	790.	U	850.	U	920.	U	830.	U	880.	U	880.	U
60-51-5	Dimethoate	670.	U	730.	U	790.	U	710.	U	750.	U	750.	U
92-67-1	4-Aminobiphenyl	420.	U	450.	U	490.	U	440.	U	470.	U	470.	U
87-86-5	Pentachlorophenol	1400.	U	1500.	U	1700.	U	1500.	U	1600.	U	1600.	U
23950-58-5	Pronamide	660.	U	710.	U	770.	U	700.	U	740.	U	740.	U
82-68-8	Pentachloronitrobenzene	650.	U	700.	U	760.	U	690.	U	730.	U	730.	U
85-01-8	Phenanthrene	630.	U	83.	J	740.	U	670.	U	700.	U	700.	U
120-12-7	Anthracene	760.	U	810.	U	880.	U	800.	U	840.	U	840.	U
84-74-2	Di-n-butylphthalate	790.	U	850.	U	50.	J	830.	U	880.	U	880.	U
56-57-5	4-Nitroquinoline 1-oxide	4900.	UR	5300.	UR	5700.	UR	5200.	UR	5500.	UR	5500.	UR
91-80-5	Methapyrilene	1300.	U	1400.	U	1500.	U	1400.	U	1500.	U	1500.	U
6055-19-2	Cyclophosphamide Hydrate	640.	UR	690.	UR	750.	UR	680.	UR	720.	UR	720.	UR
465-73-6	Isodrin	940.	U	1000.	U	1100.	U	990.	U	1000.	U	1000.	U
206-44-0	Fluoranthene	940.	U	180.	J	1100.	U	61.	J	1000.	U	1000.	U
92-87-5	Benzidine	1600.	U	1800.	U	1900.	U	1700.	U	1800.	U	1800.	U
129-00-0	Pyrene	750.	U	170.	J	870.	U	52.	J	830.	U	830.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	520-S-B006-02	523-S-B001-01	523-S-B001-02	523-S-B002-01	523-S-B002-02	523-C-B002-02
	ORIGINAL ID ----->	520SB00602	523SB00101	523SB00102	523SB00201	523SB00202	523CB00202
	LAB SAMPLE ID --->	700604	697993	698006	698000	697988	698012
	ID FROM REPORT -->	520SB00602	523SB00101	523SB00102	523SB00201	523SB00202	523CB00202
	SAMPLE DATE ----->	04/07/95	04/03/95	04/03/95	04/03/95	04/03/95	04/03/95
	DATE EXTRACTED -->	04/13/95	04/15/95	04/15/95	04/15/95	04/15/95	04/15/95
	DATE ANALYZED --->	04/13/95	04/21/95	04/21/95	04/21/95	04/21/95	04/21/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0006S	VAL	0004S	VAL	0004S	VAL	0004S	VAL	0004S	VAL	0004S	VAL
140-57-8	Aramite	670.	U	730.	U	790.	U	710.	U	750.	U	750.	U
60-11-7	p-(Dimethylamino)azobenzene	680.	U	740.	U	800.	U	720.	U	760.	U	760.	U
510-15-6	Chlorobenzilate	720.	U	780.	U	850.	U	770.	U	810.	U	810.	U
52-85-7	Famphur	2000.	U	2200.	UR	2400.	UR	2200.	UR	2300.	UR	2300.	UR
85-68-7	Butylbenzylphthalate	690.	U	750.	U	810.	U	730.	U	770.	U	770.	U
119-93-7	3,3-Dimethylbenzidine	990.	U	1100.	U	1200.	U	1000.	U	1100.	U	1100.	U
53-96-3	Acetamidofluorene	720.	U	780.	U	850.	U	770.	U	810.	U	810.	U
119-90-4	3,3'-Dimethoxybenzidine	990.	U	1100.	U	1200.	U	1000.	U	1100.	U	1100.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	770.	U	820.	U	890.	U	810.	U	850.	U	850.	U
101-14-4	Benzenamine, 4,4'-methylenebis[2chloro-	460.	U	490.	U	540.	U	490.	U	510.	U	510.	U
91-94-1	3,3'-Dichlorobenzidine	510.	U	550.	U	600.	U	540.	U	570.	U	570.	U
56-55-3	Benzo(a)anthracene	670.	U	130.	J	790.	U	710.	U	750.	U	750.	U
218-01-9	Chrysene	550.	U	130.	J	640.	U	580.	U	610.	U	610.	U
117-84-0	Di-n-octyl phthalate	490.	U	530.	U	570.	U	520.	U	550.	U	550.	U
57-97-6	7,12-Dimethylbenz(a)anthracene	420.	U	450.	U	490.	U	440.	U	470.	U	470.	U
205-99-2	Benzo(b)fluoranthene	790.	U	850.	U	920.	U	830.	U	880.	U	880.	U
207-08-9	Benzo(k)fluoranthene	630.	U	240.	J	740.	U	670.	U	700.	U	700.	U
50-32-8	Benzo(a)pyrene	670.	U	730.	U	790.	U	710.	U	750.	U	750.	U
56-49-5	3-Methyl cholanthrene	620.	U	670.	U	730.	U	660.	U	690.	U	690.	U
224-42-0	Dibenz(a,j)acridine	420.	U	450.	U	490.	U	440.	U	470.	U	470.	U
193-39-5	Indeno(1,2,3-cd)pyrene	470.	U	48.	J	550.	U	500.	U	520.	U	520.	U
53-70-3	Dibenz(a,h)anthracene	440.	U	470.	U	510.	U	460.	U	490.	U	490.	U
191-24-2	Benzo(g,h,i)perylene	630.	U	43.	J	740.	U	670.	U	700.	U	700.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------>	523-G-W001-01	523-H-W001-01	523-G-W002-01	GDC-S-B001-01	GDC-S-B001-02	GDC-S-B002-01
	ORIGINAL ID ----->	523GW00101	523HW00101	523GW00201	GRDSB00101	GRDSB00102	GRDSB00201
	LAB SAMPLE ID --->	732763	732773	730804	690520	690521	689916
	ID FROM REPORT -->	523GW00101	523HW00101	523GW00201	GRDSB00101	GRDSB00102	GRDSB00201
	SAMPLE DATE ----->	06/15/95	06/15/95	06/12/95	03/15/95	03/15/95	03/13/95
	DATE EXTRACTED -->	06/22/95	06/22/95	06/16/95	03/21/95	03/21/95	03/18/95
	DATE ANALYZED --->	07/19/95	07/10/95	07/12/95	03/23/95	03/23/95	03/20/95
	MATRIX ---------->	Water	Water	Water	Soil	Soil	Soil
	UNITS ---------->	UG/L	UG/L	UG/L	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0018S	VAL	0018S	VAL	0017S	VAL	0001S	VAL	0001S	VAL	0001S	VAL
62-75-9	N-Nitrosodimethylamine	15.	U	15.	UJ	15.	UJ	730.	U	700.	U	730.	U
110-86-1	Pyridine	20.	U	20.	U	20.	U	610.	U	580.	U	610.	U
123-63-7	Paraldehyde	10.	U	10.	U	10.	U	400.	U	380.	U	400.	U
97-63-2	Ethyl methacrylate	15.	U	15.	U	15.	U	650.	U	620.	U	650.	U
109-06-8	2-Picoline	45.	U	45.	U	45.	U	1300.	U	1300.	U	1300.	U
10595-95-6	N-Nitrosomethylethylamine	20.	U	20.	U	20.	U	600.	U	570.	U	600.	U
66-27-3	Methyl methanesulfonate	20.	U	20.	U	20.	U	770.	U	740.	U	780.	U
55-18-5	N-Nitrosodiethylamine	15.	U	15.	U	15.	U	660.	U	630.	U	660.	U
62-50-0	Ethyl methanesulfonate	20.	U	20.	U	20.	U	660.	U	630.	U	660.	U
108-95-2	Phenol	15.	UJ	15.	UR	15.	U	630.	U	600.	U	630.	U
62-53-3	Aniline	15.	U	15.	U	15.	U	620.	U	590.	U	620.	U
111-44-4	bis(2-Chloroethyl)ether	20.	U	20.	U	20.	U	650.	U	620.	U	650.	U
76-01-7	Pentachloroethane	10.	U	10.	U	10.	U	920.	U	870.	U	920.	U
95-57-8	2-Chlorophenol	15.	UJ	15.	UR	15.	U	700.	U	660.	U	700.	U
541-73-1	1,3-Dichlorobenzene	10.	U	10.	U	10.	U	560.	U	540.	U	560.	U
100-44-7	Benzyl chloride	5.	U	5.	U	5.	U	640.	U	610.	U	640.	U
106-46-7	1,4-Dichlorobenzene	10.	U	10.	U	10.	U	570.	U	550.	U	580.	U
100-51-6	Benzyl alcohol	20.	U	20.	U	20.	U	610.	U	580.	U	610.	U
95-50-1	1,2-Dichlorobenzene	10.	U	10.	U	10.	U	650.	U	620.	U	650.	U
95-48-7	2-Methylphenol (o-Cresol)	20.	UJ	20.	UR	20.	U	720.	U	680.	U	720.	U
39638-32-9	Bis(2-Chloroisopropyl)Ether	15.	U	15.	U	15.	U	720.	U	680.	U	720.	U
108-39-4	3-Methylphenol (m-Cresol)	35.	UJ	35.	UR	35.	U	1400.	U	1400.	U	1400.	U
106-44-5	4-Methylphenol (p-Cresol)	35.	UJ	35.	UR	35.	U	1400.	U	1400.	U	1400.	U
930-55-2	N-Nitrosopyrrolidine	15.	U	15.	UJ	15.	UJ	580.	U	560.	U	590.	U
621-64-7	N-Nitroso-di-n-propylamine	20.	U	20.	UJ	20.	U	670.	U	640.	U	680.	U
98-86-2	Acetophenone	20.	U	20.	U	20.	U	730.	U	700.	U	730.	U
59-89-2	N-Nitrosomorpholine	10.	U	10.	U	10.	U	830.	U	790.	U	830.	U
636-21-5	o-Toluidine hydrochloride	25.	U	25.	U	25.	U	2200.	U	2100.	U	2200.	U
67-72-1	Hexachloroethane	10.	U	10.	U	10.	U	660.	U	630.	U	660.	U
98-95-3	Nitrobenzene	10.	U	10.	U	10.	U	750.	U	720.	U	750.	U
100-75-4	N-Nitrosopiperidine	10.	U	10.	U	10.	U	820.	U	780.	U	820.	U
78-59-1	Isophorone	10.	U	10.	U	10.	U	750.	U	720.	U	750.	U
88-75-5	2-Nitrophenol	5.	UJ	5.	UR	5.	U	680.	U	650.	U	690.	U
105-67-9	2,4-Dimethylphenol	35.	UJ	35.	UR	35.	U	670.	U	640.	U	680.	U
108-70-3	1,3,5-Trichlorobenzene	5.	U	5.	U	5.	U	670.	U	640.	U	680.	U
98-87-3	Benzal chloride	15.	U	15.	U	15.	U	580.	U	560.	U	590.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	523-G-W001-01	523-H-W001-01	523-G-W002-01	GDC-S-B001-01	GDC-S-B001-02	GDC-S-B002-01
	ORIGINAL ID ----->	523GW00101	523HW00101	523GW00201	GRDSB00101	GRDSB00102	GRDSB00201
	LAB SAMPLE ID --->	732763	732773	730804	690520	690521	689916
	ID FROM REPORT -->	523GW00101	523HW00101	523GW00201	GRDSB00101	GRDSB00102	GRDSB00201
	SAMPLE DATE ----->	06/15/95	06/15/95	06/12/95	03/15/95	03/15/95	03/13/95
	DATE EXTRACTED -->	06/22/95	06/22/95	06/16/95	03/21/95	03/21/95	03/18/95
	DATE ANALYZED --->	07/19/95	07/10/95	07/12/95	03/23/95	03/23/95	03/20/95
	MATRIX ---------->	Water	Water	Water	Soil	Soil	Soil
	UNITS ---------->	UG/L	UG/L	UG/L	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0018S	VAL	0018S	VAL	0017S	VAL	0001S	VAL	0001S	VAL	0001S	VAL
126-68-1	O,O,O-Triethylphosphorothioate	110.	U	110.	U	110.	U	5800.	U	5600.	U	5900.	U
65-85-0	Benzoic acid	95.	UJ	95.	UR	95.	U	2100.	U	2000.	U	2100.	UR
111-91-1	bis(2-Chloroethoxy)methane	15.	U	15.	U	15.	U	740.	U	710.	U	740.	U
120-83-2	2,4-Dichlorophenol	15.	UJ	15.	UR	15.	U	610.	U	580.	U	610.	U
120-82-1	1,2,4-Trichlorobenzene	5.	U	5.	U	5.	U	610.	U	580.	U	610.	U
91-20-3	Naphthalene	5.	U	5.	U	5.	U	730.	U	700.	U	730.	U
106-47-8	4-Chloroaniline	5.	U	5.	U	5.	U	760.	U	730.	U	760.	U
87-65-0	2,6-Dichlorophenol	25.	UJ	25.	UR	25.	U	1300.	U	1300.	U	1300.	U
1888-71-7	Hexachloropropene	20.	U	20.	U	20.	U	630.	U	600.	U	630.	U
87-68-3	Hexachlorobutadiene	5.	U	5.	U	5.	U	620.	U	590.	U	620.	U
87-61-6	1,2,3-Trichlorobenzene	5.	U	5.	U	5.	U	660.	U	630.	U	660.	U
98-07-7	Benzotrichloride	5.	U	5.	U	5.	U	680.	U	650.	U	690.	U
924-16-3	N-Nitroso-di-n-butylamine	10.	U	10.	U	10.	U	1500.	U	1500.	U	1600.	U
59-50-7	4-Chloro-3-methylphenol	10.	UJ	10.	UR	10.	U	830.	U	790.	U	830.	U
94-59-7	Safrole	5.	U	5.	U	5.	U	640.	U	610.	U	640.	U
91-57-6	2-Methylnaphthalene	10.	U	10.	U	10.	U	930.	U	880.	U	930.	U
90-12-0	1-Methyl naphthalene	15.	U	15.	U	15.	U	1200.	U	1200.	U	1200.	U
77-47-4	Hexachlorocyclopentadiene	25.	U	25.	U	25.	U	730.	U	700.	U	730.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	15.	U	15.	U	15.	U	1400.	U	1400.	U	1400.	U
634-90-2	1,2,3,5-Tetrachlorobenzene	15.	U	15.	U	15.	U	1400.	U	1400.	U	1400.	U
88-06-2	2,4,6-Trichlorophenol	25.	UJ	25.	UR	25.	U	1400.	U	1400.	U	1400.	U
95-95-4	2,4,5-Trichlorophenol	25.	UJ	25.	UR	25.	U	1400.	U	1400.	U	1400.	U
120-58-1	Isosafrole	10.	U	10.	U	10.	U	1400.	U	1400.	U	1400.	U
634-66-2	1,2,3,4-Tetrachlorobenzene	10.	U	10.	U	10.	U	710.	U	670.	U	710.	U
91-58-7	2-Chloronaphthalene	15.	U	15.	U	15.	U	1100.	U	1000.	U	1100.	U
90-13-1	1-Chloronaphthalene	25.	U	25.	U	25.	U	1300.	U	1300.	U	1300.	U
88-74-4	2-Nitroaniline	20.	U	20.	U	20.	U	1200.	U	1200.	U	1200.	U
130-15-4	1,4-Naphthoquinone	35.	U	35.	U	35.	U	1800.	U	1700.	U	1800.	U
131-11-3	Dimethyl phthalate	10.	U	10.	U	10.	U	1100.	U	1000.	U	1100.	U
99-65-0	1,3-Dinitrobenzene	15.	U	15.	U	15.	U	620.	U	590.	U	620.	U
606-20-2	2,6-Dinitrotoluene	15.	U	15.	U	15.	U	830.	U	790.	U	830.	U
208-96-8	Acenaphthylene	10.	U	10.	U	10.	U	740.	U	710.	U	740.	U
99-09-2	3-Nitroaniline	30.	U	30.	U	30.	U	760.	U	730.	U	760.	U
83-32-9	Acenaphthene	10.	U	10.	U	10.	U	730.	U	700.	U	730.	U
51-28-5	2,4-Dinitrophenol	75.	UJ	75.	UR	75.	U	1900.	U	1800.	U	1900.	U
100-02-7	4-Nitrophenol	45.	UJ	45.	UR	45.	UJ	5000.	U	4700.	U	5000.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	523-G-W001-01	523-H-W001-01	523-G-W002-01	GDC-S-B001-01	GDC-S-B001-02	GDC-S-B002-01
	ORIGINAL ID ----->	523GW00101	523HW00101	523GW00201	GRDSB00101	GRDSB00102	GRDSB00201
	LAB SAMPLE ID --->	732763	732773	730804	690520	690521	689916
	ID FROM REPORT -->	523GW00101	523HW00101	523GW00201	GRDSB00101	GRDSB00102	GRDSB00201
	SAMPLE DATE ----->	06/15/95	06/15/95	06/12/95	03/15/95	03/15/95	03/13/95
	DATE EXTRACTED -->	06/22/95	06/22/95	06/16/95	03/21/95	03/21/95	03/18/95
	DATE ANALYZED --->	07/19/95	07/10/95	07/12/95	03/23/95	03/23/95	03/20/95
	MATRIX ---------->	Water	Water	Water	Soil	Soil	Soil
	UNITS ---------->	UG/L	UG/L	UG/L	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0018S	VAL	0018S	VAL	0017S	VAL	0001S	VAL	0001S	VAL	0001S	VAL
608-93-5	Pentachlorobenzene	10.	U	10.	U	10.	U	730.	U	700.	U	730.	U
121-14-2	2,4-Dinitrotoluene	10.	U	10.	U	10.	U	730.	U	700.	U	730.	U
132-64-9	Dibenzofuran	10.	U	10.	U	10.	U	760.	U	730.	U	760.	U
91-59-8	2-Naphthylamine	20.	U	20.	U	20.	U	950.	U	910.	U	950.	U
58-90-2	2,3,4,6-Tetrachlorophenol	35.	U	35.	UR	35.	U	1500.	U	1500.	U	1600.	U
134-32-7	1-Naphthylamine	35.	UJ	35.	U	35.	U	1500.	U	1500.	U	1600.	U
84-66-2	Diethylphthalate	15.	U	15.	U	15.	U	790.	U	760.	U	800.	U
297-97-2	Thionazin	15.	U	15.	U	15.	U	740.	U	710.	U	740.	U
7005-72-3	4-Chlorophenylphenylether	10.	U	10.	U	10.	U	660.	U	630.	U	660.	U
99-55-8	5-Nitro-o-toluidine	30.	U	30.	U	30.	U	1100.	U	1100.	U	1100.	U
86-73-7	Fluorene	10.	U	10.	U	10.	U	760.	U	730.	U	760.	U
100-01-6	4-Nitroaniline	35.	U	35.	U	35.	U	1200.	U	1200.	U	1200.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	45.	UJ	45.	UR	45.	U	2000.	U	1900.	U	2000.	U
86-30-6	N-Nitrosodiphenylamine	30.	U	30.	U	30.	U	1500.	U	1500.	U	1600.	U
122-39-4	Diphenylamine	30.	U	30.	U	30.	U	1500.	U	1500.	U	1600.	U
122-66-7	Hydrazine, 1,2-diphenyl	15.	U	15.	U	15.	U	760.	U	730.	U	760.	U
99-35-4	1,3,5-Trinitrobenzene	45.	U	45.	U	45.	U	1000.	U	960.	U	1000.	U
2303-16-4	Diallate	20.	U	20.	U	20.	U	730.	U	700.	U	730.	U
62-44-2	Phenacetin	20.	U	20.	U	20.	U	670.	U	640.	U	680.	U
101-55-3	4-Bromophenyl-phenylether	15.	U	15.	U	15.	U	830.	U	790.	U	830.	U
118-74-1	Hexachlorobenzene	15.	U	15.	U	15.	U	850.	U	810.	U	850.	U
60-51-5	Dimethoate	15.	U	15.	U	15.	U	730.	U	700.	U	730.	U
92-67-1	4-Aminobiphenyl	10.	U	10.	U	10.	U	450.	U	430.	U	450.	U
87-86-5	Pentachlorophenol	55.	UJ	55.	UR	55.	U	1500.	U	1500.	U	1600.	U
23950-58-5	Pronamide	15.	U	15.	U	15.	U	720.	U	680.	U	720.	U
82-68-8	Pentachloronitrobenzene	15.	U	15.	U	15.	U	710.	U	670.	U	710.	U
85-01-8	Phenanthrene	15.	U	15.	U	15.	U	680.	U	650.	U	690.	U
120-12-7	Anthracene	15.	U	15.	U	15.	U	820.	U	780.	U	820.	U
84-74-2	Di-n-butylphthalate	15.	U	15.	U	15.	U	850.	U	810.	U	850.	U
56-57-5	4-Nitroquinoline 1-oxide	75.	UR	75.	UR	75.	UJ	5300.	UR	5100.	UR	5300.	UR
91-80-5	Methapyrilene	30.	U	30.	U	30.	U	1400.	U	1400.	U	1400.	U
6055-19-2	Cyclophosphamide Hydrate	20.	UR	20.	UR	20.	UR	700.	UR	660.	UR	700.	UR
465-73-6	Isodrin	15.	U	15.	U	15.	U	1000.	U	970.	U	1000.	U
206-44-0	Fluoranthene	20.	U	20.	U	20.	U	90.	J	970.	U	1000.	U
92-87-5	Benzidine	25.	U	25.	U	25.	UJ	1800.	U	1700.	U	1800.	U
129-00-0	Pyrene	10.	U	10.	U	10.	U	59.	J	770.	U	810.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA						
SAMPLE ID ------->	523-G-W001-01	523-H-W001-01	523-G-W002-01	GDC-S-B001-01	GDC-S-B001-02	GDC-S-B002-01
ORIGINAL ID ----->	523GW00101	523HW00101	523GW00201	GRDSB00101	GRDSB00102	GRDSB00201
LAB SAMPLE ID --->	732763	732773	730804	690520	690521	689916
ID FROM REPORT -->	523GW00101	523HW00101	523GW00201	GRDSB00101	GRDSB00102	GRDSB00201
SAMPLE DATE ----->	06/15/95	06/15/95	06/12/95	03/15/95	03/15/95	03/13/95
DATE EXTRACTED -->	06/22/95	06/22/95	06/16/95	03/21/95	03/21/95	03/18/95
DATE ANALYZED --->	07/19/95	07/10/95	07/12/95	03/23/95	03/23/95	03/20/95
MATRIX ---------->	Water	Water	Water	Soil	Soil	Soil
UNITS ----------->	UG/L	UG/L	UG/L	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0018S	VAL	0018S	VAL	0017S	VAL	0001S	VAL	0001S	VAL	0001S	VAL
140-57-8	Aramite	20.	U	20.	UJ	20.	UJ	730.	U	700.	U	730.	U
60-11-7	p-(Dimethylamino)azobenzene	10.	U	10.	U	10.	U	740.	U	710.	U	740.	U
510-15-6	Chlorobenzilate	10.	U	10.	U	10.	UJ	780.	U	750.	U	790.	U
52-85-7	Famphur	65.	UJ	65.	U	65.	UJ	2200.	UJ	2100.	UJ	2200.	UJ
85-68-7	Butylbenzylphthalate	10.	U	10.	U	10.	UJ	750.	U	720.	U	750.	U
119-93-7	3,3-Dimethylbenzidine	100.	U	100.	U	100.	UJ	1100.	U	1000.	U	1100.	U
53-96-3	Acetamidofluorene	10.	U	10.	U	10.	U	780.	U	750.	U	790.	U
119-90-4	3,3'-Dimethoxybenzidine	20.	U	20.	UJ	20.	UJ	1100.	U	1000.	U	1100.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	10.	UJ	10.	U	10.	U	830.	U	790.	U	830.	U
101-14-4	Benzenamine, 4,4'-methylenebis[2chloro-	15.	U	15.	U	15.	U	500.	U	470.	U	500.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U	10.	U	10.	U	550.	U	530.	U	550.	U
56-55-3	Benzo(a)anthracene	10.	U	10.	U	10.	U	50.	J	700.	U	730.	U
218-01-9	Chrysene	15.	U	15.	U	15.	U	76.	J	570.	U	600.	U
117-84-0	Di-n-octyl phthalate	20.	U	20.	U	20.	U	530.	U	510.	U	530.	U
57-97-6	7,12-Dimethylbenz(a)anthracene	10.	U	10.	U	10.	U	450.	U	430.	U	450.	U
205-99-2	Benzo(b)fluoranthene	10.	U	10.	U	10.	U	150.	J	810.	U	850.	U
207-08-9	Benzo(k)fluoranthene	20.	U	20.	U	20.	U	140.	J	650..	U	690.	U
50-32-8	Benzo(a)pyrene	5.	U	5.	U	5.	U	66.	J	700.	U	730.	U
56-49-5	3-Methyl cholanthrene	5.	U	5.	U	5.	U	670.	U	640.	U	680.	U
224-42-0	Dibenz(a,j)acridine	10.	U	10.	U	10.	U	450.	U	430.	U	450.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U	10.	U	10.	U	510.	U	480.	U	510.	U
53-70-3	Dibenz(a,h)anthracene	10.	U	10.	U	10.	U	470.	U	450.	U	480.	U
191-24-2	Benzo(g,h,i)perylene	10.	U	10.	U	10.	U	680.	U	650.	U	690.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	GDC-S-B003-01		GDC-S-B004-01		GDC-S-B004-02		GDC-S-B005-01		GDC-S-B006-01		GDC-S-B007-01	
	ORIGINAL ID ----->	GRDSB00301		GRDSB00401		GRDSB00402		GRDSB00501		GRDSB00601		GRDSB00701	
	LAB SAMPLE ID --->	691118		703502		703508		691091		691081		703437	
	ID FROM REPORT -->	GRDSB00301		GRDSB00401		GRDSB00402		GRDSB00501		GRDSB00601		GRDSB00701	
	SAMPLE DATE ----->	03/17/95		04/14/95		04/14/95		03/17/95		03/17/95		04/14/95	
	DATE EXTRACTED -->	03/22/95		04/25/95		04/25/95		03/22/95		03/21/95		04/25/95	
	DATE ANALYZED --->	03/23/95		05/04/95		04/26/95		03/23/95		03/23/95		04/26/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0002S	VAL	0012S	VAL	0012S	VAL	0002S	VAL	0001S	VAL	0010S	VAL
62-75-9	N-Nitrosodimethylamine	750.	UJ	740.	U	1200.	U	780.	UJ	770.	U	720.	UJ
110-86-1	Pyridine	620.	U	610.	U	1000.	U	650.	U	640.	U	600.	UJ
123-63-7	Paraldehyde	410.	U	400.	U	670.	U	420.	U	420.	U	390.	U
97-63-2	Ethyl methacrylate	670.	U	660.	U	1100.	U	690.	U	690.	U	640.	U
109-06-8	2-Picoline	1400.	U	1300.	U	2200.	U	1400.	U	1400.	U	1300.	U
10595-95-6	N-Nitrosomethylethylamine	610.	U	600.	U	1000.	U	640.	U	630.	U	590.	U
66-27-3	Methyl methanesulfonate	800.	UJ	780.	U	1300.	U	820.	UJ	820.	U	760.	U
55-18-5	N-Nitrosodiethylamine	680.	U	670.	U	1100.	U	710.	U	700.	U	650.	U
62-50-0	Ethyl methanesulfonate	680.	U	670.	U	1100.	U	710.	U	700.	U	650.	U
108-95-2	Phenol	650.	U	640.	U	1100.	U	670.	U	670.	U	620.	U
62-53-3	Aniline	640.	U	630.	UJ	1000.	U	660.	U	660.	U	610.	U
111-44-4	bis(2-Chloroethyl)ether	670.	U	660.	U	1100.	U	690.	U	690.	U	640.	U
76-01-7	Pentachloroethane	940.	U	930.	U	1600.	U	980.	U	970.	U	900.	U
95-57-8	2-Chlorophenol	720.	U	700.	U	1200.	U	740.	U	740.	U	690.	U
541-73-1	1,3-Dichlorobenzene	580.	U	570.	U	950.	U	600.	U	600.	U	550.	U
100-44-7	Benzyl chloride	660.	U	650.	U	1100.	U	680.	U	680.	U	630.	U
106-46-7	1,4-Dichlorobenzene	590.	U	580.	U	970.	U	610.	U	610.	U	570.	U
100-51-6	Benzyl alcohol	620.	U	610.	U	1000.	U	650.	U	640.	U	600.	U
95-50-1	1,2-Dichlorobenzene	670.	U	660.	U	1100.	U	690.	U	690.	U	640.	U
95-48-7	2-Methylphenol (o-Cresol)	740.	U	730.	U	1200.	U	760.	U	760.	U	710.	U
39638-32-9	Bis(2-Chloroisopropyl)Ether	740.	UJ	730.	U	1200.	U	760.	UJ	760.	U	710.	U
108-39-4	3-Methylphenol (m-Cresol)	1500.	U	1500.	U	2400.	U	1500.	U	1500.	U	1400.	U
106-44-5	4-Methylphenol (p-Cresol)	1500.	U	1500.	U	2400.	U	1500.	U	1500.	U	1400.	U
930-55-2	N-Nitrosopyrrolidine	600.	U	590.	U	990.	U	620.	U	620.	U	580.	UJ
621-64-7	N-Nitroso-di-n-propylamine	690.	U	680.	U	1100.	U	720.	U	720.	U	660.	U
98-86-2	Acetophenone	750.	U	740.	U	1200.	U	780.	U	770.	U	720.	U
59-89-2	N-Nitrosomorpholine	850.	U	840.	U	1400.	U	880.	U	880.	U	820.	U
636-21-5	o-Toluidine hydrochloride	2300.	U	2200.	UJ	3700.	U	2400.	U	2300.	U	2200.	U
67-72-1	Hexachloroethane	680.	U	670.	U	1100.	U	710.	U	700.	U	650.	U
98-95-3	Nitrobenzene	770.	U	760.	U	1300.	U	800.	U	800.	U	740.	U
100-75-4	N-Nitrosopiperidine	840.	U	830.	U	1400.	U	870.	U	870.	U	810.	U
78-59-1	Isophorone	770.	U	760.	U	1300.	U	800.	U	800.	U	740.	U
88-75-5	2-Nitrophenol	700.	U	690.	U	1200.	U	730.	U	730.	U	670.	U
105-67-9	2,4-Dimethylphenol	690.	U	680.	U	1100.	U	720.	U	720.	U	660.	U
108-70-3	1,3,5-Trichlorobenzene	690.	U	680.	U	1100.	U	720.	U	720.	U	660.	U
98-87-3	Benzal chloride	600.	U	590.	U	990.	U	620.	U	620.	U	580.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	GDC-S-B003-01	GDC-S-B004-01	GDC-S-B004-02	GDC-S-B005-01	GDC-S-B006-01	GDC-S-B007-01
	ORIGINAL ID ----->	GRDSB00301	GRDSB00401	GRDSB00402	GRDSB00501	GRDSB00601	GRDSB00701
	LAB SAMPLE ID --->	691118	703502	703508	691091	691081	703437
	ID FROM REPORT -->	GRDSB00301	GRDSB00401	GRDSB00402	GRDSB00501	GRDSB00601	GRDSB00701
	SAMPLE DATE ----->	03/17/95	04/14/95	04/14/95	03/17/95	03/17/95	04/14/95
	DATE EXTRACTED -->	03/22/95	04/25/95	04/25/95	03/22/95	03/21/95	04/25/95
	DATE ANALYZED --->	03/23/95	05/04/95	04/26/95	03/23/95	03/23/95	04/26/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0002S	VAL	0012S	VAL	0012S	VAL	0002S	VAL	0001S	VAL	0010S	VAL
126-68-1	O,O,O-Triethylphosphorothioate	6000.	U	5900.	U	9900.	U	6200.	U	6200.	U	5800.	U
65-85-0	Benzoic acid	2200.	UJ	2100.	U	3500.	UR	2200.	UJ	2200.	U	2100.	U
111-91-1	bis(2-Chloroethoxy)methane	760.	U	750.	U	1300.	U	790.	U	790.	U	730.	U
120-83-2	2,4-Dichlorophenol	620.	U	610.	U	1000.	U	650.	U	640.	U	600.	U
120-82-1	1,2,4-Trichlorobenzene	620.	U	610.	U	1000.	U	650.	U	640.	U	600.	U
91-20-3	Naphthalene	750.	U	740.	U	1200.	U	780.	U	770.	U	720.	U
106-47-8	4-Chloroaniline	780.	U	770.	UJ	1300.	U	810.	U	810.	U	750.	U
87-65-0	2,6-Dichlorophenol	1400.	U	1300.	U	2200.	U	1400.	U	1400.	U	1300.	U
1888-71-7	Hexachloropropene	650.	U	640.	U	1100.	U	670.	U	670.	U	620.	U
87-68-3	Hexachlorobutadiene	640.	U	630.	U	1000.	U	660.	U	660.	U	610.	U
87-61-6	1,2,3-Trichlorobenzene	680.	U	670.	U	1100.	U	710.	U	700.	U	650.	U
98-07-7	Benzotrichloride	700.	U	690.	U	1200.	U	730.	U	730.	U	670.	U
924-16-3	N-Nitroso-di-n-butylamine	1600.	U	1600.	U	2600.	U	1600.	U	1600.	U	1500.	U
59-50-7	4-Chloro-3-methylphenol	850.	U	840.	U	1400.	U	880.	U	880.	U	820.	U
94-59-7	Safrole	660.	U	650.	U	1100.	U	680.	U	680.	U	630.	U
91-57-6	2-Methylnaphthalene	950.	U	940.	U	1600.	U	990.	U	980.	U	910.	U
90-12-0	1-Methyl naphthalene	1200.	U	1200.	U	2100.	U	1300.	U	1300.	U	1200.	U
77-47-4	Hexachlorocyclopentadiene	750.	U	740.	U	1200.	UJ	780.	U	770.	U	720.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	1500.	U	1500.	U	2400.	U	1500.	U	1500.	U	1400.	U
634-90-2	1,2,3,5-Tetrachlorobenzene	1500.	U	1500.	U	2400.	U	1500.	U	1500.	U	1400.	U
88-06-2	2,4,6-Trichlorophenol	1500.	U	1500.	U	2400.	U	1500.	U	1500.	U	1400.	U
95-95-4	2,4,5-Trichlorophenol	1500.	U	1500.	U	2400.	U	1500.	U	1500.	U	1400.	U
120-58-1	Isosafrole	1500.	U	1500.	U	2400.	U	1500.	U	1500.	U	1400.	U
634-66-2	1,2,3,4-Tetrachlorobenzene	730.	U	720.	U	1200.	U	750.	U	750.	U	700.	U
91-58-7	2-Chloronaphthalene	1100.	U	1100.	U	1800.	U	1100.	U	1100.	U	1100.	U
90-13-1	1-Chloronaphthalene	1400.	U	1300.	U	2200.	U	1400.	U	1400.	U	1300.	U
88-74-4	2-Nitroaniline	1200.	UJ	1200.	U	2100.	U	1300.	UJ	1300.	U	1200.	U
130-15-4	1,4-Naphthoquinone	1800.	U	1800.	U	3000.	U	1900.	U	1900.	U	1700.	U
131-11-3	Dimethyl phthalate	1100.	U	1100.	U	1800.	U	1100.	U	1100.	U	1100.	U
99-65-0	1,3-Dinitrobenzene	640.	U	630.	U	1000.	U	660.	U	660.	U	610.	U
606-20-2	2,6-Dinitrotoluene	850.	U	840.	U	1400.	U	880.	U	880.	U	820.	U
208-96-8	Acenaphthylene	760.	U	750.	U	1300.	U	790.	U	790.	U	730.	U
99-09-2	3-Nitroaniline	780.	U	770.	U	1300.	U	810.	U	810.	U	750.	U
83-32-9	Acenaphthene	750.	U	740.	U	1200.	U	780.	U	770.	U	720.	U
51-28-5	2,4-Dinitrophenol	1900.	U	1900.	U	3200.	U	2000.	U	2000.	U	1800.	U
100-02-7	4-Nitrophenol	5100.	UJ	5000.	U	8400.	U	5300.	UJ	5300.	U	4900.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------>	GDC-S-B003-01	GDC-S-B004-01	GDC-S-B004-02	GDC-S-B005-01	GDC-S-B006-01	GDC-S-B007-01
	ORIGINAL ID ----->	GRDSB00301	GRDSB00401	GRDSB00402	GRDSB00501	GRDSB00601	GRDSB00701
	LAB SAMPLE ID --->	691118	703502	703508	691091	691081	703437
	ID FROM REPORT -->	GRDSB00301	GRDSB00401	GRDSB00402	GRDSB00501	GRDSB00601	GRDSB00701
	SAMPLE DATE ----->	03/17/95	04/14/95	04/14/95	03/17/95	03/17/95	04/14/95
	DATE EXTRACTED -->	03/22/95	04/25/95	04/25/95	03/22/95	03/21/95	04/25/95
	DATE ANALYZED --->	03/23/95	05/04/95	04/26/95	03/23/95	03/23/95	04/26/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ----------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0002S	VAL	0012S	VAL	0012S	VAL	0002S	VAL	0001S	VAL	0010S	VAL
608-93-5	Pentachlorobenzene	750.	U	740.	U	1200.	U	780.	U	770.	U	720.	U
121-14-2	2,4-Dinitrotoluene	750.	U	740.	U	1200.	U	780.	U	770.	U	720.	U
132-64-9	Dibenzofuran	780.	U	770.	U	1300.	U	810.	U	810.	U	750.	U
91-59-8	2-Naphthylamine	980.	U	960.	U	1600.	U	1000.	U	1000.	U	940.	U
58-90-2	2,3,4,6-Tetrachlorophenol	1600.	U	1600.	U	2600.	U	1600.	U	1600.	U	1500.	U
134-32-7	1-Naphthylamine	1600.	U	1600.	U	2600.	U	1600.	U	1600.	U	1500.	U
84-66-2	Diethylphthalate	820.	U	800.	U	1300.	U	850.	U	840.	U	780.	U
297-97-2	Thionazin	760.	U	750.	U	1300.	U	790.	U	790.	U	730.	U
7005-72-3	4-Chlorophenylphenylether	680.	U	670.	U	1100.	U	710.	U	700.	U	650.	U
99-55-8	5-Nitro-o-toluidine	1100.	U	1100.	U	1900.	U	1200.	U	1200.	U	1100.	U
86-73-7	Fluorene	780.	U	770.	U	1300.	U	810.	U	810.	U	750.	U
100-01-6	4-Nitroaniline	1200.	U	1200.	U	2100.	U	1300.	U	1300.	U	1200.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	2000.	U	2000.	U	3400.	U	2100.	U	2100.	U	2000.	U
86-30-6	N-Nitrosodiphenylamine	1600.	U	1600.	U	2600.	U	1600.	U	1600.	U	1500.	U
122-39-4	Diphenylamine	1600.	U	1600.	U	2600.	U	1600.	U	1600.	U	1500.	U
122-66-7	Hydrazine, 1,2-diphenyl	780.	U	770.	U	1300.	U	810.	U	810.	U	750.	U
99-35-4	1,3,5-Trinitrobenzene	1000.	U	1000.	U	1700.	U	1100.	U	1100.	U	990.	U
2303-16-4	Diallate	750.	U	740.	U	1200.	U	780.	U	770.	U	720.	U
62-44-2	Phenacetin	690.	U	680.	U	1100.	U	720.	U	720.	U	660.	U
101-55-3	4-Bromophenyl-phenylether	850.	U	840.	U	1400.	U	880.	U	880.	U	820.	U
118-74-1	Hexachlorobenzene	880.	U	860.	U	1400.	U	910.	U	900.	U	840.	U
60-51-5	Dimethoate	750.	U	740.	U	1200.	U	780.	U	770.	U	720.	U
92-67-1	4-Aminobiphenyl	470.	U	460.	U	770.	U	480.	U	480.	U	450.	U
87-86-5	Pentachlorophenol	1600.	U	1600.	U	2600.	U	1600.	U	1600.	U	1500.	U
23950-58-5	Pronamide	740.	U	730.	U	1200.	U	760.	U	760.	U	710.	U
82-68-8	Pentachloronitrobenzene	730.	U	720.	U	1200.	U	750.	U	750.	U	700.	U
85-01-8	Phenanthrene	140.	J	690.	U	1200.	U	730.	U	730.	U	670.	U
120-12-7	Anthracene	840.	U	830.	U	1400.	U	870.	U	870.	U	810.	U
84-74-2	Di-n-butylphthalate	880.	U	140.	J	120.	J	910.	U	900.	U	840.	U
56-57-5	4-Nitroquinoline 1-oxide	5500.	UR	5400.	UR	9000.	UR	5600.	UR	5600.	UR	5200.	UR
91-80-5	Methapyrilene	1500.	U	1500.	U	2400.	U	1500.	U	1500.	U	1400.	U
6055-19-2	Cyclophosphamide Hydrate	720.	UR	700.	UR	1200.	U	740.	UR	740.	UR	690.	UR
465-73-6	Isodrin	1000.	U	1000.	U	1700.	U	1100.	U	1100.	U	1000.	U
206-44-0	Fluoranthene	170.	J	1000.	U	360.	J	42.	J	1100.	U	1000.	U
92-87-5	Benzidine	1800.	UJ	1800.	U	3000.	U	1900.	UJ	1900.	U	1700.	U
129-00-0	Pyrene	140.	J	820.	U	330.	J	860.	U	860.	U	55.	J

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	GDC-S-B003-01	GDC-S-B004-01	GDC-S-B004-02	GDC-S-B005-01	GDC-S-B006-01	GDC-S-B007-01
	ORIGINAL ID ----->	GRDSB00301	GRDSB00401	GRDSB00402	GRDSB00501	GRDSB00601	GRDSB00701
	LAB SAMPLE ID --->	691118	703502	703508	691091	691081	703437
	ID FROM REPORT -->	GRDSB00301	GRDSB00401	GRDSB00402	GRDSB00501	GRDSB00601	GRDSB00701
	SAMPLE DATE ----->	03/17/95	04/14/95	04/14/95	03/17/95	03/17/95	04/14/95
	DATE EXTRACTED -->	03/22/95	04/25/95	04/25/95	03/22/95	03/21/95	04/25/95
	DATE ANALYZED --->	03/23/95	05/04/95	04/26/95	03/23/95	03/23/95	04/26/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0002S	VAL	0012S	VAL	0012S	VAL	0002S	VAL	0001S	VAL	0010S	VAL
140-57-8	Aramite	750.	U	740.	U	1200.	U	780.	U	770.	U	720.	UJ
60-11-7	p-(Dimethylamino)azobenzene	760.	U	750.	U	1300.	U	790.	U	790.	U	730.	U
510-15-6	Chlorobenzilate	810.	U	790.	U	1300.	U	840.	U	830.	U	770.	U
52-85-7	Famphur	2300.	U	2200.	U	3700.	UR	2400.	U	2300.	UJ	2200.	U
85-68-7	Butylbenzylphthalate	770.	U	760.	U	1300.	U	800.	U	800.	U	740.	U
119-93-7	3,3-Dimethylbenzidine	1100.	U	1100.	U	1800.	U	1100.	U	1100.	U	1100.	U
53-96-3	Acetamidofluorene	810.	U	790.	U	1300.	U	840.	U	830.	U	770.	U
119-90-4	3,3'-Dimethoxybenzidine	1100.	U	1100.	U	1800.	U	1100.	U	1100.	U	1100.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	850.	U	840.	U	1400.	U	880.	U	880.	U	820.	U
101-14-4	Benzenamine, 4,4'-methylenebis[2chloro-	510.	U	500.	U	840.	U	530.	U	530.	U	490.	U
91-94-1	3,3'-Dichlorobenzidine	570.	UJ	560.	U	930.	U	590.	UJ	590.	U	540.	U
56-55-3	Benzo(a)anthracene	73.	J	740.	U	180.	J	780.	U	770.	U	720.	U
218-01-9	Chrysene	89.	J	600.	U	160.	J	640.	U	630.	U	590.	U
117-84-0	Di-n-octyl phthalate	550.	U	540.	U	900.	U	560.	U	560.	U	520.	U
57-97-6	7,12-Dimethylbenz(a)anthracene	470.	U	460.	U	770.	U	480.	U	480.	U	450.	U
205-99-2	Benzo(b)fluoranthene	150.	J	860.	U	1400.	U	49.	J	900.	U	840.	U
207-08-9	Benzo(k)fluoranthene	160.	J	690.	U	1200.	U	52.	J	730.	U	670.	U
50-32-8	Benzo(a)pyrene	75.	J	740.	U	1200.	U	330.	J	770.	U	720.	U
56-49-5	3-Methyl cholanthrene	690.	U	680.	U	1100.	U	720.	U	720.	U	660.	U
224-42-0	Dibenz(a,j)acridine	470.	U	460.	U	770.	U	480.	U	480.	U	450.	U
193-39-5	Indeno(1,2,3-cd)pyrene	520.	U	510.	U	860.	U	540.	U	540.	U	500.	U
53-70-3	Dibenz(a,h)anthracene	490.	U	480.	U	800.	U	510.	U	500.	U	470.	U
191-24-2	Benzo(g,h,i)perylene	700.	U	690.	U	1200.	U	730.	U	730.	U	670.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	GDC-S-B008-01		GDC-S-B008-02		GDC-S-B009-01		GDC-S-B009-02		GDC-C-B013-01		GDC-C-B017-01	
	ORIGINAL ID ----->	GRDSB00801		GRDSB00802		GRDSB00901		GRDSB00902		GRDCB01301		GRDCB01701	
	LAB SAMPLE ID --->	691124		691130		696967		697003		702009		702575	
	ID FROM REPORT -->	GRDSB00801		GRDSB00802		GRDSB00901		GRDSB00902		GRDCB01301		GRDCB01701	
	SAMPLE DATE ----->	03/17/95		03/17/95		03/31/95		03/31/95		04/11/95		04/10/95	
	DATE EXTRACTED -->	03/22/95		03/22/95		04/10/95		04/10/95		04/24/95		04/20/95	
	DATE ANALYZED --->	03/23/95		03/23/95		04/11/95		04/11/95		04/25/95		04/22/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0002S	VAL	0002S	VAL	0003S	VAL	0003S	VAL	0006S	VAL	0010S	VAL
62-75-9	N-Nitrosodimethylamine	740.	UJ	800.	UJ	760.	U	750.	U	690.	U	740.	U
110-86-1	Pyridine	620.	U	670.	U	630.	U	620.	U	580.	UJ	620.	U
123-63-7	Paraldehyde	400.	U	440.	U	410.	U	410.	U	380.	U	400.	U
97-63-2	Ethyl methacrylate	660.	U	720.	U	680.	U	670.	U	620.	U	660.	U
109-06-8	2-Picoline	1300.	U	1500.	U	1400.	U	1400.	U	1300.	U	1300.	U
10595-95-6	N-Nitrosomethylethylamine	610.	U	660.	U	620.	U	610.	U	570.	U	610.	U
66-27-3	Methyl methanesulfonate	790.	UJ	850.	UJ	800.	U	790.	U	740.	U	790.	U
55-18-5	N-Nitrosodiethylamine	670.	U	730.	U	690.	U	680.	U	630.	U	670.	U
62-50-0	Ethyl methanesulfonate	670.	U	730.	U	690.	U	680.	U	630.	U	670.	U
108-95-2	Phenol	640.	U	700.	U	660.	U	650.	U	600.	U	640.	U
62-53-3	Aniline	630.	U	680.	U	640.	U	630.	U	590.	U	630.	U
111-44-4	bis(2-Chloroethyl)ether	660.	U	720.	U	680.	U	670.	U	620.	U	660.	U
76-01-7	Pentachloroethane	930.	U	1000.	U	950.	U	940.	U	870.	U	930.	U
95-57-8	2-Chlorophenol	710.	U	770.	U	720.	U	710.	U	660.	U	710.	U
541-73-1	1,3-Dichlorobenzene	570.	U	620.	U	590.	U	580.	U	540.	U	570.	U
100-44-7	Benzyl chloride	650.	U	710.	U	670.	U	660.	U	610.	U	650.	U
106-46-7	1,4-Dichlorobenzene	580.	U	630.	U	600.	U	590.	U	550.	U	580.	U
100-51-6	Benzyl alcohol	620.	U	670.	U	630.	U	620.	U	580.	U	620.	U
95-50-1	1,2-Dichlorobenzene	660.	U	720.	U	680.	U	670.	U	620.	U	660.	U
95-48-7	2-Methylphenol (o-Cresol)	730.	U	790.	U	750.	U	740.	U	680.	U	730.	U
39638-32-9	Bis(2-Chloroisopropyl)Ether	730.	UJ	790.	UJ	750.	U	740.	U	680.	U	730.	U
108-39-4	3-Methylphenol (m-Cresol)	1500.	U	1600.	U	1500.	U	1500.	U	1400.	U	1500.	U
106-44-5	4-Methylphenol (p-Cresol)	1500.	U	1600.	U	1500.	U	1500.	U	1400.	U	1500.	U
930-55-2	N-Nitrosopyrrolidine	600.	U	650.	U	610.	U	600.	U	560.	UJ	600.	U
621-64-7	N-Nitroso-di-n-propylamine	690.	U	740.	U	700.	U	690.	U	640.	U	690.	U
98-86-2	Acetophenone	740.	U	800.	U	760.	U	750.	U	690.	U	740.	U
59-89-2	N-Nitrosomorpholine	840.	U	910.	U	860.	U	850.	U	790.	U	840.	U
636-21-5	o-Toluidine hydrochloride	2200.	U	2400.	U	2300.	U	2300.	U	2100.	U	2200.	U
67-72-1	Hexachloroethane	670.	U	730.	U	690.	U	680.	U	630.	U	670.	U
98-95-3	Nitrobenzene	760.	U	830.	U	780.	U	770.	U	720.	U	760.	U
100-75-4	N-Nitrosopiperidine	830.	U	900.	U	850.	U	840.	U	780.	U	830.	U
78-59-1	Isophorone	760.	U	830.	U	780.	U	770.	U	720.	U	760.	U
88-75-5	2-Nitrophenol	700.	U	760.	U	710.	U	700.	U	650.	U	700.	U
105-67-9	2,4-Dimethylphenol	690.	U	740.	U	700.	U	690.	U	640.	U	690.	U
108-70-3	1,3,5-Trichlorobenzene	690.	U	740.	U	700.	U	690.	U	640.	U	690.	U
98-87-3	Benzal chloride	600.	U	650.	U	610.	U	600.	U	560.	U	600.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------>	GDC-S-B008-01		GDC-S-B008-02		GDC-S-B009-01		GDC-S-B009-02		GDC-C-B013-01		GDC-C-B017-01	
	ORIGINAL ID ----->	GRDSB00801		GRDSB00802		GRDSB00901		GRDSB00902		GRDCB01301		GRDCB01701	
	LAB SAMPLE ID --->	691124		691130		696967		697003		702009		702575	
	ID FROM REPORT -->	GRDSB00801		GRDSB00802		GRDSB00901		GRDSB00902		GRDCB01301		GRDCB01701	
	SAMPLE DATE ----->	03/17/95		03/17/95		03/31/95		03/31/95		04/11/95		04/10/95	
	DATE EXTRACTED -->	03/22/95		03/22/95		04/10/95		04/10/95		04/24/95		04/20/95	
	DATE ANALYZED --->	03/23/95		03/23/95		04/11/95		04/11/95		04/25/95		04/22/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0002S	VAL	0002S	VAL	0003S	VAL	0003S	VAL	0006S	VAL	0010S	VAL
126-68-1	O,O,O-Triethylphosphorothioate	6000.	U	6500.	U	6100.	U	6000.	U	5600.	U	6000.	U
65-85-0	Benzoic acid	2100.	UJ	2300.	UJ	2200.	UR	2200.	UR	2000.	U	2100.	U
111-91-1	bis(2-Chloroethoxy)methane	750.	U	820.	U	770.	U	760.	U	710.	U	750.	U
120-83-2	2,4-Dichlorophenol	620.	U	670.	U	630.	U	620.	U	580.	U	620.	U
120-82-1	1,2,4-Trichlorobenzene	620.	U	670.	U	630.	U	620.	U	580.	U	620.	U
91-20-3	Naphthalene	740.	U	800.	U	760.	U	750.	U	690.	U	740.	U
106-47-8	4-Chloroaniline	780.	U	840.	U	790.	U	780.	U	730.	U	780.	U
87-65-0	2,6-Dichlorophenol	1300.	U	1500.	U	1400.	U	1400.	U	1300.	U	1300.	U
1888-71-7	Hexachloropropene	640.	U	700.	U	660.	U	650.	U	600.	U	640.	UJ
87-68-3	Hexachlorobutadiene	630.	U	680.	U	640.	U	630.	U	590.	U	630.	U
87-61-6	1,2,3-Trichlorobenzene	670.	U	730.	U	690.	U	680.	U	630.	U	670.	U
98-07-7	Benzotrichloride	700.	U	760.	U	710.	U	700.	U	650.	U	700.	U
924-16-3	N-Nitroso-di-n-butylamine	1600.	U	1700.	U	1600.	U	1600.	U	1500.	U	1600.	U
59-50-7	4-Chloro-3-methylphenol	840.	U	910.	U	860.	U	850.	U	790.	U	840.	U
94-59-7	Safrole	650.	U	710.	U	670.	U	660.	U	610.	U	650.	U
91-57-6	2-Methylnaphthalene	940.	U	1000.	U	970.	U	950.	U	880.	U	940.	U
90-12-0	1-Methyl naphthalene	1200.	U	63.	J	1300.	U	1200.	U	1200.	U	1200.	U
77-47-4	Hexachlorocyclopentadiene	740.	U	800.	U	760.	U	750.	U	690.	U	740.	UJ
95-94-3	1,2,4,5-Tetrachlorobenzene	1500.	U	1600.	U	1500.	U	1500.	U	1400.	U	1500.	U
634-90-2	1,2,3,5-Tetrachlorobenzene	1500.	U	1600.	U	1500.	U	1500.	U	1400.	U	1500.	U
88-06-2	2,4,6-Trichlorophenol	1500.	U	1600.	U	1500.	U	1500.	U	1400.	U	1500.	U
95-95-4	2,4,5-Trichlorophenol	1500.	U	1600.	U	1500.	U	1500.	U	1400.	U	1500.	U
120-58-1	Isosafrole	1500.	U	1600.	U	1500.	U	1500.	U	1400.	U	1500.	U
634-66-2	1,2,3,4-Tetrachlorobenzene	720.	U	780.	U	740.	U	720.	U	670.	U	720.	U
91-58-7	2-Chloronaphthalene	1100.	U	1200.	U	1100.	U	1100.	U	1000.	U	1100.	U
90-13-1	1-Chloronaphthalene	1300.	U	1500.	U	1400.	U	1400.	U	1300.	U	1300.	U
88-74-4	2-Nitroaniline	1200.	UJ	1300.	UJ	1300.	U	1200.	U	1200.	U	1200.	U
130-15-4	1,4-Naphthoquinone	1800.	U	2000.	U	1800.	U	1800.	U	1700.	U	1800.	U
131-11-3	Dimethyl phthalate	1100.	U	1200.	U	1100.	U	1100.	U	1000.	U	1100.	U
99-65-0	1,3-Dinitrobenzene	630.	U	680.	U	640.	U	630.	U	590.	U	630.	U
606-20-2	2,6-Dinitrotoluene	840.	U	910.	U	860.	U	850.	U	790.	U	840.	U
208-96-8	Acenaphthylene	750.	U	820.	U	770.	U	760.	U	710.	U	750.	U
99-09-2	3-Nitroaniline	780.	U	840.	U	790.	U	780.	U	730.	U	780.	U
83-32-9	Acenaphthene	740.	U	800.	U	760.	U	750.	U	690.	U	740.	U
51-28-5	2,4-Dinitrophenol	1900.	U	2100.	U	2000.	U	1900.	U	1800.	U	1900.	U
100-02-7	4-Nitrophenol	5100.	UJ	5500.	UJ	5200.	U	5100.	U	4700.	U	5100.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	GDC-S-B008-01		GDC-S-B008-02		GDC-S-B009-01		GDC-S-B009-02		GDC-C-B013-01		GDC-C-B017-01	
	ORIGINAL ID ----->	GRDSB00801		GRDSB00802		GRDSB00901		GRDSB00902		GRDCB01301		GRDCB01701	
	LAB SAMPLE ID --->	691124		691130		696967		697003		702009		702575	
	ID FROM REPORT -->	GRDSB00801		GRDSB00802		GRDSB00901		GRDSB00902		GRDCB01301		GRDCB01701	
	SAMPLE DATE ----->	03/17/95		03/17/95		03/31/95		03/31/95		04/11/95		04/10/95	
	DATE EXTRACTED -->	03/22/95		03/22/95		04/10/95		04/10/95		04/24/95		04/20/95	
	DATE ANALYZED --->	03/23/95		03/23/95		04/11/95		04/11/95		04/25/95		04/22/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0002S	VAL	0002S	VAL	0003S	VAL	0003S	VAL	0006S	VAL	0010S	VAL
608-93-5	Pentachlorobenzene	740.	U	800.	U	760.	U	750.	U	690.	U	740.	U
121-14-2	2,4-Dinitrotoluene	740.	U	800.	U	760.	U	750.	U	690.	U	740.	U
132-64-9	Dibenzofuran	780.	U	840.	U	790.	U	780.	U	730.	U	780.	U
91-59-8	2-Naphthylamine	970.	U	1000.	U	990.	U	970.	U	910.	U	970.	U
58-90-2	2,3,4,6-Tetrachlorophenol	1600.	U	1700.	U	1600.	U	1600.	U	1500.	U	1600.	U
134-32-7	1-Naphthylamine	1600.	U	1700.	U	1600.	U	1600.	U	1500.	U	1600.	U
84-66-2	Diethylphthalate	810.	U	880.	U	830.	U	820.	U	760.	U	810.	U
297-97-2	Thionazin	750.	U	820.	U	770.	U	760.	U	710.	U	750.	U
7005-72-3	4-Chlorophenylphenylether	670.	U	730.	U	690.	U	680.	U	630.	U	670.	U
99-55-8	5-Nitro-o-toluidine	1100.	U	1200.	U	1100.	U	1100.	U	1100.	U	1100.	U
86-73-7	Fluorene	780.	U	840.	U	790.	U	780.	U	730.	U	780.	U
100-01-6	4-Nitroaniline	1200.	U	1300.	U	1300.	U	1200.	U	1200.	U	1200.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	2000.	U	2200.	U	2100.	U	2000.	U	1900.	U	2000.	U
86-30-6	N-Nitrosodiphenylamine	1600.	U	1700.	U	1600.	U	1600.	U	1500.	U	1600.	U
122-39-4	Diphenylamine	1600.	U	1700.	U	1600.	U	1600.	U	1500.	U	1600.	U
122-66-7	Hydrazine, 1,2-diphenyl	780.	U	840.	U	790.	U	780.	U	730.	U	780.	U
99-35-4	1,3,5-Trinitrobenzene	1000.	U	1100.	U	1000.	U	1000.	U	960.	U	1000.	U
2303-16-4	Diallate	740.	U	800.	U	760.	U	750.	U	690.	U	740.	U
62-44-2	Phenacetin	690.	U	740.	U	700.	U	690.	U	640.	U	690.	U
101-55-3	4-Bromophenyl-phenylether	840.	U	910.	U	860.	U	850.	U	790.	U	840.	U
118-74-1	Hexachlorobenzene	870.	U	940.	U	880.	U	870.	U	810.	U	870.	U
60-51-5	Dimethoate	740.	U	800.	U	760.	U	750.	U	690.	U	740.	U
92-67-1	4-Aminobiphenyl	460.	U	500.	U	470.	U	460.	U	430.	U	460.	U
87-86-5	Pentachlorophenol	1600.	U	1700.	U	1600.	U	1600.	U	1500.	U	1600.	U
23950-58-5	Pronamide	730.	U	790.	U	750.	U	740.	U	680.	U	730.	U
82-68-8	Pentachloronitrobenzene	720.	U	780.	U	740.	U	720.	U	670.	U	720.	U
85-01-8	Phenanthrene	700.	U	760.	U	710.	U	110.	J	180.	J	240.	J
120-12-7	Anthracene	830.	U	900.	U	850.	U	840.	U	780.	U	39.	J
84-74-2	Di-n-butylphthalate	870.	U	940.	U	880.	U	870.	U	810.	U	870.	U
56-57-5	4-Nitroquinoline 1-oxide	5400.	UR	5900.	UR	5500.	U	5400.	U	5100.	U	5400.	U
91-80-5	Methapyrilene	1500.	U	1600.	U	1500.	U	1500.	U	1400.	U	1500.	U
6055-19-2	Cyclophosphamide Hydrate	710.	UR	770.	UR	720.	U	710.	U	660.	UR	710.	UR
465-73-6	Isodrin	1000.	U	1100.	U	1100.	U	1000.	U	970.	U	1000.	U
206-44-0	Fluoranthene	1000.	U	1100.	U	47.	J	180.	J	630.	J	290.	J
92-87-5	Benzidine	1800.	UJ	2000.	UJ	1800.	U	1800.	U	1700.	U	1800.	U
129-00-0	Pyrene	820.	U	890.	U	50.	J	270.	J	950.		300.	J

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA													
	SAMPLE ID ------>	GDC-S-B008-01		GDC-S-B008-02		GDC-S-B009-01		GDC-S-B009-02		GDC-C-B013-01		GDC-C-B017-01	
	ORIGINAL ID ----->	GRDSB00801		GRDSB00802		GRDSB00901		GRDSB00902		GRDCB01301		GRDCB01701	
	LAB SAMPLE ID --->	691124		691130		696967		697003		702009		702575	
	ID FROM REPORT -->	GRDSB00801		GRDSB00802		GRDSB00901		GRDSB00902		GRDCB01301		GRDCB01701	
	SAMPLE DATE ----->	03/17/95		03/17/95		03/31/95		03/31/95		04/11/95		04/10/95	
	DATE EXTRACTED -->	03/22/95		03/22/95		04/10/95		04/10/95		04/24/95		04/20/95	
	DATE ANALYZED --->	03/23/95		03/23/95		04/11/95		04/11/95		04/25/95		04/22/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0002S	VAL	0002S	VAL	0003S	VAL	0003S	VAL	0006S	VAL	0010S	VAL
140-57-8	Aramite	740.	U	800.	U	760.	U	750.	U	690.	U	740.	U
60-11-7	p-(Dimethylamino)azobenzene	750.	U	820.	U	770.	U	760.	U	710.	U	750.	U
510-15-6	Chlorobenzilate	800.	U	870.	U	820.	U	800.	U	750.	U	800.	U
52-85-7	Famphur	2200.	U	2400.	U	2300.	U	2300.	U	2100.	U	2200.	UR
85-68-7	Butylbenzylphthalate	760.	U	830.	U	780.	U	770.	U	720.	U	760.	U
119-93-7	3,3-Dimethylbenzidine	1100.	U	1200.	U	1100.	U	1100.	U	1000.	U	1100.	U
53-96-3	Acetamidofluorene	800.	U	870.	U	820.	U	800.	U	750.	U	800.	U
119-90-4	3,3'-Dimethoxybenzidine	1100.	U	1200.	U	1100.	U	1100.	U	1000.	U	1100.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	820.	U	900.	U	860.	U	850.	U	790.	U	840.	U
101-14-4	Benzenamine, 4,4'-methylenebis[2chloro-	510.	U	550.	U	520.	U	510.	U	470.	U	510.	U
91-94-1	3,3'-Dichlorobenzidine	560.	UJ	610.	UJ	570.	U	570.	U	530.	U	560.	U
56-55-3	Benzo(a)anthracene	740.	U	800.	U	760.	U	140.	J	330.	J	180.	J
218-01-9	Chrysene	610.	U	660.	U	620.	U	96.	J	390.	J	180.	J
117-84-0	Di-n-octyl phthalate	540.	U	590.	U	550.	U	540.	U	510.	U	540.	U
57-97-6	7,12-Dimethylbenz(a)anthracene	460.	U	500.	U	470.	U	460.	U	430.	U	460.	U
205-99-2	Benzo(b)fluoranthene	870.	U	940.	U	880.	U	180.	J	720.	J	260.	J
207-08-9	Benzo(k)fluoranthene	700.	U	760.	U	710.	U	200.	J	730.		290.	J
50-32-8	Benzo(a)pyrene	740.	U	800.	U	760.	U	120.	J	300.	J	150.	J
56-49-5	3-Methyl cholanthrene	690.	U	740.	U	700.	U	690.	U	640.	U	690.	U
224-42-0	Dibenz(a,j)acridine	460.	U	500.	U	470.	U	460.	U	430.	U	460.	U
193-39-5	Indeno(1,2,3-cd)pyrene	520.	U	560.	U	530.	U	520.	U	220.	J	57.	J
53-70-3	Dibenz(a,h)anthracene	480.	U	520.	U	490.	U	490.	U	450.	U	480.	U
191-24-2	Benzo(g,h,i)perylene	700.	U	760.	U	710.	U	700.	U	95.	J	700.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	GDC-C-B023-02	GDC-C-B035-02	GDC-S-B038-01	GDC-S-B038-02	GDC-S-B039-01	GDC-S-B039-02
	ORIGINAL ID ----->	GRDCB02302	GRDCB03502	GDCSB03801	GDCSB03802	GDCSB03901	GDCSB03902
	LAB SAMPLE ID --->	701991	702424	737123	737157	737207	737240
	ID FROM REPORT -->	GRDCB02302	GRDCB03502	GDCSB03801	GDCSB03802	GDCSB03901	GDCSB03902
	SAMPLE DATE ----->	04/11/95	04/12/95	06/29/95	06/29/95	06/29/95	06/29/95
	DATE EXTRACTED -->	04/24/95	04/20/95	07/05/95	07/05/95	07/07/95	07/07/95
	DATE ANALYZED --->	04/25/95	04/22/95	07/21/95	07/21/95	07/21/95	07/21/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ----------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0006S	VAL	0010S	VAL	0021S	VAL	0021S	VAL	0022S	VAL	0022S	VAL
62-75-9	N-Nitrosodimethylamine	680.	U	840.	U	730.	U	690.	U	720.	U	720.	U
110-86-1	Pyridine	570.	UJ	700.	U	610.	U	570.	U	600.	UJ	600.	UJ
123-63-7	Paraldehyde	370.	U	460.	U	400.	U	370.	U	390.	U	390.	U
97-63-2	Ethyl methacrylate	610.	U	750.	U	660.	U	610.	U	640.	U	640.	U
109-06-8	2-Picoline	1200.	U	1500.	U	1300.	U	1200.	U	1300.	U	1300.	U
10595-95-6	N-Nitrosomethylethylamine	560.	U	680.	U	600.	U	560.	U	590.	U	590.	U
66-27-3	Methyl methanesulfonate	720.	U	890.	U	780.	U	730.	U	760.	U	760.	U
55-18-5	N-Nitrosodiethylamine	620.	U	760.	U	670.	U	620.	U	650.	U	650.	U
62-50-0	Ethyl methanesulfonate	620.	U	760.	U	670.	U	620.	U	650.	U	650.	U
108-95-2	Phenol	590.	U	720.	U	630.	U	590.	U	620.	U	620.	U
62-53-3	Aniline	580.	U	710.	U	620.	U	580.	U	610.	U	610.	U
111-44-4	bis(2-Chloroethyl)ether	610.	U	750.	U	660.	U	610.	U	640.	U	640.	U
76-01-7	Pentachloroethane	860.	U	1100.	U	920.	U	860.	U	900.	U	900.	U
95-57-8	2-Chlorophenol	650.	U	800.	U	700.	U	650.	U	680.	U	680.	U
541-73-1	1,3-Dichlorobenzene	530.	U	650.	U	570.	U	530.	U	550.	U	550.	U
100-44-7	Benzyl chloride	600.	U	730.	U	640.	U	600.	U	630.	U	630.	U
106-46-7	1,4-Dichlorobenzene	540.	U	660.	U	580.	U	540.	U	570.	U	570.	U
100-51-6	Benzyl alcohol	570.	U	700.	U	610.	U	570.	U	600.	U	600.	U
95-50-1	1,2-Dichlorobenzene	610.	U	750.	U	660.	U	610.	U	640.	U	640.	U
95-48-7	2-Methylphenol (o-Cresol)	670.	U	820.	U	720.	U	670.	U	710.	U	710.	U
39638-32-9	Bis(2-Chloroisopropyl)Ether	670.	U	820.	U	720.	U	670.	U	710.	U	710.	U
108-39-4	3-Methylphenol (m-Cresol)	1300.	U	1600.	U	1400.	U	1400.	U	1400.	U	1400.	U
106-44-5	4-Methylphenol (p-Cresol)	1300.	U	1600.	U	1400.	U	1400.	U	1400.	U	1400.	U
930-55-2	N-Nitrosopyrrolidine	550.	UJ	670.	U	590.	U	550.	U	580.	U	580.	U
621-64-7	N-Nitroso-di-n-propylamine	630.	U	770.	U	680.	U	630.	U	660.	U	660.	U
98-86-2	Acetophenone	680.	U	840.	U	730.	U	690.	U	720.	U	720.	U
59-89-2	N-Nitrosomorpholine	780.	U	950.	U	830.	U	780.	U	820.	U	820.	U
636-21-5	o-Toluidine hydrochloride	2100.	U	2500.	U	2200.	U	2100.	U	2200.	U	2200.	U
67-72-1	Hexachloroethane	620.	U	760.	U	670.	U	620.	U	650.	U	650.	U
98-95-3	Nitrobenzene	700.	U	860.	U	760.	U	710.	U	740.	U	740.	U
100-75-4	N-Nitrosopiperidine	770.	U	940.	U	820.	U	770.	U	800.	U	800.	U
78-59-1	Isophorone	700.	U	860.	U	760.	U	710.	U	740.	U	740.	U
88-75-5	2-Nitrophenol	640.	U	780.	U	690.	U	640.	U	670.	U	670.	U
105-67-9	2,4-Dimethylphenol	630.	U	770.	U	680.	U	630.	U	660.	U	660.	U
108-70-3	1,3,5-Trichlorobenzene	630.	U	770.	U	680.	U	630.	U	660.	U	660.	U
98-87-3	Benzal chloride	550.	U	670.	U	590.	U	550.	U	580.	UR	580.	UR

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	GDC-C-B023-02	GDC-C-B035-02	GDC-S-B038-01	GDC-S-B038-02	GDC-S-B039-01	GDC-S-B039-02
	ORIGINAL ID ----->	GRDCB02302	GRDCB03502	GDCSB03801	GDCSB03802	GDCSB03901	GDCSB03902
	LAB SAMPLE ID --->	701991	702424	737123	737157	737207	737240
	ID FROM REPORT -->	GRDCB02302	GRDCB03502	GDCSB03801	GDCSB03802	GDCSB03901	GDCSB03902
	SAMPLE DATE ----->	04/11/95	04/12/95	06/29/95	06/29/95	06/29/95	06/29/95
	DATE EXTRACTED -->	04/24/95	04/20/95	07/05/95	07/05/95	07/07/95	07/07/95
	DATE ANALYZED --->	04/25/95	04/22/95	07/21/95	07/21/95	07/21/95	07/21/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0006S	VAL	0010S	VAL	0021S	VAL	0021S	VAL	0022S	VAL	0022S	VAL
126-68-1	O,O,O-Triethylphosphorothioate	5500.	U	6700.	U	5900.	U	5500.	U	5800.	U	5800.	U
65-85-0	Benzoic acid	2000.	U	2400.	U	2100.	U	2000.	U	2100.	UJ	2100.	UJ
111-91-1	bis(2-Chloroethoxy)methane	690.	U	850.	U	740.	U	700.	U	730.	U	730.	U
120-83-2	2,4-Dichlorophenol	570.	U	700.	U	610.	U	570.	U	600.	U	600.	U
120-82-1	1,2,4-Trichlorobenzene	570.	U	700.	U	610.	U	570.	U	600.	U	600.	U
91-20-3	Naphthalene	680.	U	840.	U	730.	U	690.	U	720.	UJ	720.	UJ
106-47-8	4-Chloroaniline	710.	U	870.	U	770.	U	720.	U	750.	U	750.	U
87-65-0	2,6-Dichlorophenol	1200.	U	1500.	U	1300.	U	1200.	U	1300.	U	1300.	U
1888-71-7	Hexachloropropene	590.	U	720.	UJ	630.	U	590.	U	620.	U	620.	U
87-68-3	Hexachlorobutadiene	580.	U	710.	U	620.	U	580.	U	610.	U	610.	U
87-61-6	1,2,3-Trichlorobenzene	620.	U	760.	U	670.	U	620.	U	650.	U	650.	U
98-07-7	Benzotrichloride	640.	U	780.	U	690.	U	640.	U	670.	U	670.	U
924-16-3	N-Nitroso-di-n-butylamine	1400.	U	1800.	U	1600.	U	1500.	U	1500.	U	1500.	U
59-50-7	4-Chloro-3-methylphenol	780.	U	950.	U	830.	U	780.	U	820.	U	820.	U
94-59-7	Safrole	600.	U	730.	U	640.	U	600.	U	630.	U	630.	U
91-57-6	2-Methylnaphthalene	870.	U	1100.	U	930.	U	870.	U	910.	U	910.	U
90-12-0	1-Methyl naphthalene	1100.	U	1400.	U	1200.	U	1100.	U	1200.	U	1200.	U
77-47-4	Hexachlorocyclopentadiene	680.	U	840.	UJ	730.	U	690.	U	720.	U	720.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	1300.	U	1600.	U	1400.	U	1400.	U	1400.	U	1400.	U
634-90-2	1,2,3,5-Tetrachlorobenzene	1300.	U	1600.	U	1400.	U	1400.	U	1400.	U	1400.	U
88-06-2	2,4,6-Trichlorophenol	1300.	U	1600.	U	1400.	U	1400.	U	1400.	U	1400.	U
95-95-4	2,4,5-Trichlorophenol	1300.	U	1600.	U	1400.	U	1400.	U	1400.	U	1400.	U
120-58-1	Isosafrole	1300.	U	1600.	U	1400.	U	1400.	U	1400.	U	1400.	U
634-66-2	1,2,3,4-Tetrachlorobenzene	660.	U	810.	U	710.	U	660.	U	700.	U	700.	U
91-58-7	2-Chloronaphthalene	1000.	U	1200.	U	1100.	U	1000.	U	1100.	U	1100.	U
90-13-1	1-Chloronaphthalene	1200.	U	1500.	U	1300.	U	1200.	U	1300.	U	1300.	U
88-74-4	2-Nitroaniline	1100.	U	1400.	U	1200.	U	1100.	U	1200.	U	1200.	U
130-15-4	1,4-Naphthoquinone	1700.	U	2000.	U	1800.	U	1700.	U	1700.	U	1700.	U
131-11-3	Dimethyl phthalate	1000.	U	1200.	U	1100.	U	1000.	U	1100.	U	1100.	U
99-65-0	1,3-Dinitrobenzene	580.	U	710.	U	620.	U	580.	U	610.	U	610.	U
606-20-2	2,6-Dinitrotoluene	780.	U	950.	U	830.	U	780.	U	820.	U	820.	U
208-96-8	Acenaphthylene	690.	U	850.	U	740.	U	700.	U	730.	U	730.	U
99-09-2	3-Nitroaniline	710.	U	870.	U	770.	U	720.	U	750.	U	750.	U
83-32-9	Acenaphthene	680.	U	840.	U	730.	U	690.	U	720.	U	720.	U
51-28-5	2,4-Dinitrophenol	1800.	U	2200.	U	1900.	U	1800.	U	1800.	U	1800.	U
100-02-7	4-Nitrophenol	4700.	U	5700.	U	5000.	U	4700.	U	4900.	U	4900.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	GDC-C-B023-02		GDC-C-B035-02		GDC-S-B038-01		GDC-S-B038-02		GDC-S-B039-01		GDC-S-B039-02	
	ORIGINAL ID ----->	GRDCB02302		GRDCB03502		GDCSB03801		GDCSB03802		GDCSB03901		GDCSB03902	
	LAB SAMPLE ID --->	701991		702424		737123		737157		737207		737240	
	ID FROM REPORT -->	GRDCB02302		GRDCB03502		GDCSB03801		GDCSB03802		GDCSB03901		GDCSB03902	
	SAMPLE DATE ----->	04/11/95		04/12/95		06/29/95		06/29/95		06/29/95		06/29/95	
	DATE EXTRACTED -->	04/24/95		04/20/95		07/05/95		07/05/95		07/07/95		07/07/95	
	DATE ANALYZED --->	04/25/95		04/22/95		07/21/95		07/21/95		07/21/95		07/21/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0006S	VAL	0010S	VAL	0021S	VAL	0021S	VAL	0022S	VAL	0022S	VAL
608-93-5	Pentachlorobenzene	680.	U	840.	U	730.	U	690.	U	720.	U	720.	U
121-14-2	2,4-Dinitrotoluene	680.	U	840.	U	730.	U	690.	U	720.	U	720.	U
132-64-9	Dibenzofuran	710.	U	870.	U	770.	U	720.	U	750.	U	750.	U
91-59-8	2-Naphthylamine	890.	U	1100.	U	960.	U	890.	U	930.	U	930.	U
58-90-2	2,3,4,6-Tetrachlorophenol	1400.	U	1800.	U	1600.	U	1500.	U	1500.	U	1500.	U
134-32-7	1-Naphthylamine	1400.	U	1800.	U	1600.	U	1500.	U	1500.	U	1500.	U
84-66-2	Diethylphthalate	740.	U	910.	U	800.	U	750.	U	780.	U	780.	U
297-97-2	Thionazin	690.	U	850.	U	740.	U	700.	U	730.	U	730.	U
7005-72-3	4-Chlorophenylphenylether	620.	U	760.	U	670.	U	620.	U	650.	U	650.	U
99-55-8	5-Nitro-o-toluidine	1000.	U	1300.	U	1100.	U	1000.	U	1100.	U	1100.	U
86-73-7	Fluorene	710.	U	870.	U	770.	U	720.	U	750.	U	750.	U
100-01-6	4-Nitroaniline	1100.	U	1400.	U	1200.	U	1100.	U	1200.	U	1200.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	1900.	U	2300.	U	2000.	U	1900.	U	2000.	U	2000.	U
86-30-6	N-Nitrosodiphenylamine	1400.	U	1800.	U	1600.	U	1500.	U	1500.	U	1500.	U
122-39-4	Diphenylamine	1400.	U	1800.	U	1600.	U	1500.	U	1500.	U	1500.	U
122-66-7	Hydrazine, 1,2-diphenyl	710.	U	870.	U	770.	U	720.	U	750.	U	47.	J
99-35-4	1,3,5-Trinitrobenzene	940.	U	1200.	U	1000.	U	940.	U	990.	U	990.	U
2303-16-4	Diallate	680.	U	840.	U	730.	U	690.	U	720.	U	720.	U
62-44-2	Phenacetin	630.	U	770.	U	680.	U	630.	U	660.	U	660.	U
101-55-3	4-Bromophenyl-phenylether	780.	U	950.	U	830.	U	780.	U	820.	U	820.	U
118-74-1	Hexachlorobenzene	800.	U	970.	U	860.	U	800.	U	840.	U	840.	U
60-51-5	Dimethoate	680.	U	840.	U	730.	U	690.	U	720.	U	720.	U
92-67-1	4-Aminobiphenyl	420.	U	520.	U	460.	U	430.	U	450.	U	450.	U
87-86-5	Pentachlorophenol	1400.	U	1800.	U	1600.	U	1500.	U	1500.	U	1500.	U
23950-58-5	Pronamide	670.	U	820.	U	720.	U	670.	U	710.	U	710.	U
82-68-8	Pentachloronitrobenzene	660.	U	810.	U	710.	U	660.	U	700.	U	700.	U
85-01-8	Phenanthrene	640.	U	780.	U	690.	U	640.	U	310.	J	230.	J
120-12-7	Anthracene	770.	U	940.	U	820.	U	770.	U	50.	J	800.	U
84-74-2	Di-n-butylphthalate	800.	U	970.	U	860.	U	800.	U	840.	U	110.	J
56-57-5	4-Nitroquinoline 1-oxide	5000.	U	6100.	U	5300.	UR	5000.	UR	5200.	UR	5200.	UR
91-80-5	Methapyrilene	1300.	U	1600.	U	1400.	U	1400.	U	1400.	U	1400.	U
6055-19-2	Cyclophosphamide Hydrate	650.	UR	800.	UR	700.	UR	650.	UR	680.	UR	680.	UR
465-73-6	Isodrin	950.	U	1200.	U	1000.	U	960.	U	1000.	U	1000.	U
206-44-0	Fluoranthene	950.	U	1200.	U	1000.	U	960.	U	480.	J	360.	J
92-87-5	Benzidine	1700.	U	2000.	U	1800.	U	1700.	U	1700.	U	1700.	U
129-00-0	Pyrene	760.	U	920.	U	28.	J	760.	U	400.	J	270.	J

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	GDC-C-B023-02	GDC-C-B035-02	GDC-S-B038-01	GDC-S-B038-02	GDC-S-B039-01	GDC-S-B039-02
	ORIGINAL ID ----->	GRDCB02302	GRDCB03502	GDCSB03801	GDCSB03802	GDCSB03901	GDCSB03902
	LAB SAMPLE ID --->	701991	702424	737123	737157	737207	737240
	ID FROM REPORT -->	GRDCB02302	GRDCB03502	GDCSB03801	GDCSB03802	GDCSB03901	GDCSB03902
	SAMPLE DATE ----->	04/11/95	04/12/95	06/29/95	06/29/95	06/29/95	06/29/95
	DATE EXTRACTED -->	04/24/95	04/20/95	07/05/95	07/05/95	07/07/95	07/07/95
	DATE ANALYZED --->	04/25/95	04/22/95	07/21/95	07/21/95	07/21/95	07/21/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0006S	VAL	0010S	VAL	0021S	VAL	0021S	VAL	0022S	VAL	0022S	VAL
140-57-8	Aramite	680.	U	840.	U	730.	U	690.	U	720.	UJ	720.	UJ
60-11-7	p-(Dimethylamino)azobenzene	690.	U	850.	U	740.	U	700.	U	730.	U	730.	U
510-15-6	Chlorobenzilate	730.	U	900.	U	790.	U	740.	U	770.	U	770.	U
52-85-7	Famphur	2100.	U	2500.	UR	2200.	UJ	2100.	UJ	2200.	U	2200.	U
85-68-7	Butylbenzylphthalate	700.	U	860.	U	760.	U	710.	U	740.	U	740.	U
119-93-7	3,3-Dimethylbenzidine	1000.	U	1200.	U	1100.	U	1000.	U	1100.	U	1100.	U
53-96-3	Acetamidofluorene	730.	U	900.	U	790.	U	740.	U	770.	U	770.	U
119-90-4	3,3'-Dimethoxybenzidine	1000.	U	1200.	U	1100.	U	1000.	U	1100.	U	1100.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	780.	U	950.	U	86.	J	780.	U	820.	U	820.	U
101-14-4	Benzenamine, 4,4'-methylenebis[2chloro-	470.	U	570.	U	500.	U	470.	U	490.	U	490.	U
91-94-1	3,3'-Dichlorobenzidine	520.	U	630.	U	560.	U	520.	U	540.	U	540.	U
56-55-3	Benzo(a)anthracene	680.	U	840.	U	730.	U	690.	U	260.	J	130.	J
218-01-9	Chrysene	560.	U	680.	U	600.	U	560.	U	200.	J	190.	J
117-84-0	Di-n-octyl phthalate	500.	U	610.	U	530.	U	500.	U	520.	U	520.	U
57-97-6	7,12-Dimethylbenz(a)anthracene	420.	U	520.	U	460.	U	430.	U	450.	U	450.	U
205-99-2	Benzo(b)fluoranthene	800.	U	970.	U	860.	U	800.	U	340.	J	240.	J
207-08-9	Benzo(k)fluoranthene	640.	U	780.	U	690.	U	640.	U	360.	J	96.	J
50-32-8	Benzo(a)pyrene	680.	U	840.	U	730.	U	690.	U	190.	J	150.	J
56-49-5	3-Methyl cholanthrene	630.	U	770.	U	680.	U	630.	U	660.	U	660.	U
224-42-0	Dibenz(a,j)acridine	420.	U	520.	U	460.	U	430.	U	450.	U	450.	U
193-39-5	Indeno(1,2,3-cd)pyrene	480.	U	580.	U	510.	U	480.	U	120.	J	82.	J
53-70-3	Dibenz(a,h)anthracene	440.	U	540.	U	480.	U	450.	U	470.	U	470.	U
191-24-2	Benzo(g,h,i)perylene	640.	U	780.	U	690.	U	640.	U	130.	J	93.	J
108-60-1	2,2'-oxybis(1-Chloropropane)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------>	GDC-S-B040-01	GDC-C-B045-01	GDC-G-W001-01	GDC-G-W002-01	GDC-G-W01D-01	GDC-G-W02D-01
	ORIGINAL ID ----->	GDCSB04001	GDCCB04501	GDCGW00101	GRDGW00201	GDCGW01D01	GDCGW02D01
	LAB SAMPLE ID --->	737246	736410	730805	709202	730801	731346
	ID FROM REPORT -->	GDCSB04001	GDCCB04501	GDCGW00101	GRDGW00201	GDCGW01D01	GDCGW02D01
	SAMPLE DATE ----->	06/29/95	06/27/95	06/12/95	04/25/95	06/12/95	06/13/95
	DATE EXTRACTED -->	07/07/95	06/30/95	06/16/95	05/01/95	06/16/95	06/20/95
	DATE ANALYZED --->	07/21/95	07/20/95	07/12/95	05/04/95	07/12/95	07/14/95
	MATRIX ---------->	Soil	Soil	Water	Water	Water	Water
	UNITS ---------->	UG/KG	UG/KG	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	0022S	VAL	0021S	VAL	0017S	VAL	0016S	VAL	0017S	VAL	0017S	VAL
62-75-9	N-Nitrosodimethylamine	740.	U	690.	U	15.	UJ	15.	UJ	15.	UJ	15.	U
110-86-1	Pyridine	620.	UJ	580.	U	20.	UJ	20.	U	20.	U	20.	U
123-63-7	Paraldehyde	400.	U	380.	U	10.	UJ	10.	U	10.	U	10.	U
97-63-2	Ethyl methacrylate	660.	U	620.	U	15.	UJ	15.	UJ	15.	U	15.	U
109-06-8	2-Picoline	1300.	U	1300.	U	45.	U	45.	U	45.	U	45.	U
10595-95-6	N-Nitrosomethylethylamine	610.	U	570.	U	20.	U	20.	U	20.	U	20.	U
66-27-3	Methyl methanesulfonate	790.	U	740.	U	20.	UJ	20.	UJ	20.	U	20.	U
55-18-5	N-Nitrosodiethylamine	670.	U	630.	U	15.	U	15.	U	15.	U	15.	U
62-50-0	Ethyl methanesulfonate	670.	U	630.	U	20.	U	20.	U	20.	U	20.	U
108-95-2	Phenol	640.	U	600.	U	15.	U	15.	U	15.	U	15.	U
62-53-3	Aniline	630.	U	590.	U	15.	U	15.	U	15.	U	15.	U
111-44-4	bis(2-Chloroethyl)ether	660.	U	620.	U	20.	U	20.	U	20.	U	20.	U
76-01-7	Pentachloroethane	930.	U	870.	U	10.	U	10.	U	10.	U	10.	U
95-57-8	2-Chlorophenol	710.	U	660.	U	15.	U	15.	U	15.	U	15.	U
541-73-1	1,3-Dichlorobenzene	570.	U	540.	U	10.	U	10.	U	10.	U	10.	U
100-44-7	Benzyl chloride	650.	U	610.	U	5.	U	5.	UJ	5.	U	5.	U
106-46-7	1,4-Dichlorobenzene	580.	U	550.	U	10.	U	10.	U	10.	U	10.	U
100-51-6	Benzyl alcohol	620.	U	580.	U	20.	U	20.	U	20.	U	20.	U
95-50-1	1,2-Dichlorobenzene	660.	U	620.	U	10.	U	10.	U	10.	U	10.	U
95-48-7	2-Methylphenol (o-Cresol)	730.	U	680.	U	20.	U	20.	U	20.	U	20.	U
39638-32-9	Bis(2-Chloroisopropyl)Ether	730.	U	680.	U	15.	U	15.	UJ	15.	U	15.	U
108-39-4	3-Methylphenol (m-Cresol)	1500.	U	1400.	U	35.	U	35.	U	35.	U	35.	UJ
106-44-5	4-Methylphenol (p-Cresol)	1500.	U	1400.	U	35.	U	35.	U	35.	U	35.	UJ
930-55-2	N-Nitrosopyrrolidine	600.	U	560.	U	15.	UJ	15.	U	15.	UJ	15.	U
621-64-7	N-Nitroso-di-n-propylamine	690.	U	640.	U	20.	UJ	20.	UJ	20.	U	20.	UJ
98-86-2	Acetophenone	740.	U	690.	U	20.	U	20.	U	20.	U	20.	U
59-89-2	N-Nitrosomorpholine	840.	U	790.	U	10.	U	10.	U	10.	U	10.	UJ
636-21-5	o-Toluidine hydrochloride	2200.	U	2100.	U	25.	U	25.	U	25.	U	25.	UJ
67-72-1	Hexachloroethane	670.	U	630.	U	10.	U	10.	U	10.	U	10.	U
98-95-3	Nitrobenzene	760.	U	720.	U	10.	UJ	10.	UJ	10.	U	10.	U
100-75-4	N-Nitrosopiperidine	830.	U	780.	U	10.	U	10.	U	10.	U	10.	U
78-59-1	Isophorone	760.	U	720.	U	10.	UJ	10.	UJ	10.	U	10.	U
88-75-5	2-Nitrophenol	700.	U	650.	U	5.	UJ	5.	U	5.	U	5.	U
105-67-9	2,4-Dimethylphenol	690.	U	640.	U	35.	U	35.	U	35.	U	35.	U
108-70-3	1,3,5-Trichlorobenzene	690.	U	640.	U	5.	U	5.	U	5.	U	5.	U
98-87-3	Benzal chloride	600.	UR	560.	U	15.	U	15.	UR	15.	U	15.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------>	GDC-S-B040-01		GDC-C-B045-01		GDC-G-W001-01		GDC-G-W002-01		GDC-G-W01D-01		GDC-G-W02D-01	
	ORIGINAL ID ----->	GDCSB04001		GDCCB04501		GDCGW00101		GRDGW00201		GDCGW01D01		GDCGW02D01	
	LAB SAMPLE ID --->	737246		736410		730805		709202		730801		731346	
	ID FROM REPORT -->	GDCSB04001		GDCCB04501		GDCGW00101		GRDGW00201		GDCGW01D01		GDCGW02D01	
	SAMPLE DATE ----->	06/29/95		06/27/95		06/12/95		04/25/95		06/12/95		06/13/95	
	DATE EXTRACTED -->	07/07/95		06/30/95		06/16/95		05/01/95		06/16/95		06/20/95	
	DATE ANALYZED --->	07/21/95		07/20/95		07/12/95		05/04/95		07/12/95		07/14/95	
	MATRIX ---------->	Soil		Soil		Water		Water		Water		Water	
	UNITS ---------->	UG/KG		UG/KG		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	0022S	VAL	0021S	VAL	0017S	VAL	0016S	VAL	0017S	VAL	0017S	VAL
126-68-1	O,O,O-Triethylphosphorothioate	6000.	U	5600.	U	110.	U	110.	U	110.	U	110.	U
65-85-0	Benzoic acid	2100.	UJ	2000.	U	95.	U	95.	U	95.	U	95.	UJ
111-91-1	bis(2-Chloroethoxy)methane	750.	U	710.	U	15.	U	15.	U	15.	U	15.	U
120-83-2	2,4-Dichlorophenol	620.	U	580.	U	15.	U	15.	U	15.	U	15.	U
120-82-1	1,2,4-Trichlorobenzene	620.	U	580.	U	5.	U	5.	U	5.	U	5.	U
91-20-3	Naphthalene	740.	UJ	39.	J	5.	U	5.	U	5.	U	5.	U
106-47-8	4-Chloroaniline	780.	U	730.	U	5.	U	5.	U	5.	U	5.	U
87-65-0	2,6-Dichlorophenol	1300.	U	1300.	U	25.	U	25.	U	25.	U	25.	U
1888-71-7	Hexachloropropene	640.	U	600.	U	20.	U	20.	U	20.	U	20.	U
87-68-3	Hexachlorobutadiene	630.	U	590.	U	5.	U	5.	U	5.	U	5.	U
87-61-6	1,2,3-Trichlorobenzene	670.	U	630.	U	5.	U	5.	U	5.	U	5.	U
98-07-7	Benzotrichloride	700.	U	650.	U	5.	U	5.	U	5.	U	5.	U
924-16-3	N-Nitroso-di-n-butylamine	1600.	U	1500.	U	10.	UJ	10.	UJ	10.	U	10.	U
59-50-7	4-Chloro-3-methylphenol	840.	U	790.	U	10.	U	10.	U	10.	U	10.	U
94-59-7	Safrole	650.	U	610.	U	5.	U	5.	U	5.	U	5.	U
91-57-6	2-Methylnaphthalene	940.	U	880.	U	10.	U	10.	U	10.	U	10.	U
90-12-0	1-Methyl naphthalene	1200.	U	1200.	U	15.	U	15.	U	15.	U	15.	U
77-47-4	Hexachlorocyclopentadiene	740.	U	690.	U	25.	U	25.	U	25.	U	25.	UJ
95-94-3	1,2,4,5-Tetrachlorobenzene	1500.	U	1400.	U	15.	U	15.	U	15.	U	15.	UJ
634-90-2	1,2,3,5-Tetrachlorobenzene	1500.	U	1400.	U	15.	U	15.	U	15.	U	15.	UJ
88-06-2	2,4,6-Trichlorophenol	1500.	U	1400.	U	25.	U	25.	U	25.	U	25.	U
95-95-4	2,4,5-Trichlorophenol	1500.	U	1400.	U	25.	U	25.	U	25.	U	25.	U
120-58-1	Isosafrole	1500.	U	1400.	U	10.	U	10.	U	10.	U	10.	U
634-66-2	1,2,3,4-Tetrachlorobenzene	720.	U	670.	U	10.	U	10.	U	10.	U	10.	U
91-58-7	2-Chloronaphthalene	1100.	U	1000.	U	15.	U	15.	U	15.	U	15.	U
90-13-1	1-Chloronaphthalene	1300.	U	1300.	U	25.	U	25.	U	25.	U	25.	U
88-74-4	2-Nitroaniline	1200.	U	1200.	U	20.	UJ	20.	UJ	20.	U	20.	U
130-15-4	1,4-Naphthoquinone	1800.	U	1700.	UJ	35.	U	35.	U	35.	U	35.	UJ
131-11-3	Dimethyl phthalate	1100.	U	1000.	U	10.	U	10.	U	10.	U	10.	U
99-65-0	1,3-Dinitrobenzene	630.	U	590.	U	15.	U	15.	U	15.	U	15.	UJ
606-20-2	2,6-Dinitrotoluene	840.	U	790.	U	15.	U	15.	U	15.	U	15.	U
208-96-8	Acenaphthylene	750.	U	710.	U	10.	U	10.	U	10.	U	10.	U
99-09-2	3-Nitroaniline	780.	U	730.	U	30.	U	30.	U	30.	U	30.	U
83-32-9	Acenaphthene	740.	U	690.	U	10.	U	10.	U	10.	U	10.	U
51-28-5	2,4-Dinitrophenol	1900.	U	1800.	U	75.	U	75.	U	75.	U	75.	U
100-02-7	4-Nitrophenol	5100.	U	4700.	U	45.	U	45.	U	45.	UJ	45.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	GDC-S-B040-01	GDC-C-B045-01	GDC-G-W001-01	GDC-G-W002-01	GDC-G-W01D-01	GDC-G-W02D-01
	ORIGINAL ID ----->	GDCSB04001	GDCCB04501	GDCGW00101	GRDGW00201	GDCGW01D01	GDCGW02D01
	LAB SAMPLE ID --->	737246	736410	730805	709202	730801	731346
	ID FROM REPORT -->	GDCSB04001	GDCCB04501	GDCGW00101	GRDGW00201	GDCGW01D01	GDCGW02D01
	SAMPLE DATE ----->	06/29/95	06/27/95	06/12/95	04/25/95	06/12/95	06/13/95
	DATE EXTRACTED -->	07/07/95	06/30/95	06/16/95	05/01/95	06/16/95	06/20/95
	DATE ANALYZED --->	07/21/95	07/20/95	07/12/95	05/04/95	07/12/95	07/14/95
	MATRIX ---------->	Soil	Soil	Water	Water	Water	Water
	UNITS ----------->	UG/KG	UG/KG	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	0022S	VAL	0021S	VAL	0017S	VAL	0016S	VAL	0017S	VAL	0017S	VAL
608-93-5	Pentachlorobenzene	740.	U	690.	U	10.	U	10.	U	10.	U	10.	U
121-14-2	2,4-Dinitrotoluene	740.	U	690.	U	10.	U	10.	U	10.	U	10.	U
132-64-9	Dibenzofuran	780.	U	730.	U	10.	U	10.	U	10.	U	10.	U
91-59-8	2-Naphthylamine	970.	U	910.	U	20.	U	20.	U	20.	U	20.	U
58-90-2	2,3,4,6-Tetrachlorophenol	1600.	U	1500.	U	35.	U	35.	U	35.	U	35.	U
134-32-7	1-Naphthylamine	1600.	U	1500.	U	35.	U	35.	U	35.	U	35.	U
84-66-2	Diethylphthalate	810.	U	760.	U	15.	U	15.	U	15.	U	15.	U
297-97-2	Thionazin	750.	U	710.	U	15.	U	15.	U	15.	U	15.	U
7005-72-3	4-Chlorophenylphenylether	670.	U	630.	U	10.	U	10.	U	10.	U	10.	U
99-55-8	5-Nitro-o-toluidine	1100.	U	1100.	U	30.	U	30.	U	30.	U	30.	U
86-73-7	Fluorene	780.	U	730.	U	10.	U	10.	U	10.	U	10.	U
100-01-6	4-Nitroaniline	1200.	U	1200.	U	35.	U	35.	U	35.	U	35.	UJ
534-52-1	2-Methyl-4,6-Dinitrophenol	2000.	U	1900.	U	45.	U	45.	U	45.	U	45.	U
86-30-6	N-Nitrosodiphenylamine	1600.	U	1500.	U	30.	U	30.	U	30.	U	30.	U
122-39-4	Diphenylamine	1600.	U	1500.	U	30.	U	30.	U	30.	U	30.	U
122-66-7	Hydrazine, 1,2-diphenyl	780.	U	730.	U	15.	U	15.	UJ	15.	U	15.	U
99-35-4	1,3,5-Trinitrobenzene	1000.	U	960.	U	45.	U	45.	U	45.	U	45.	U
2303-16-4	Diallate	740.	U	690.	U	20.	U	20.	U	20.	U	20.	U
62-44-2	Phenacetin	690.	U	640.	U	20.	UJ	20.	U	20.	U	20.	U
101-55-3	4-Bromophenyl-phenylether	840.	U	790.	U	15.	U	15.	U	15.	U	15.	U
118-74-1	Hexachlorobenzene	870.	U	810.	U	15.	U	15.	U	15.	U	15.	U
60-51-5	Dimethoate	740.	U	690.	U	15.	UJ	15.	UJ	15.	U	15.	U
92-67-1	4-Aminobiphenyl	460.	U	430.	U	10.	U	10.	U	10.	U	10.	U
87-86-5	Pentachlorophenol	1600.	U	1500.	U	55.	U	55.	U	55.	U	55.	U
23950-58-5	Pronamide	730.	U	680.	U	15.	U	15.	U	15.	U	15.	U
82-68-8	Pentachloronitrobenzene	720.	U	670.	U	15.	U	15.	U	15.	U	15.	U
85-01-8	Phenanthrene	83.	J	650.	U	15.	U	15.	U	15.	U	15.	U
120-12-7	Anthracene	830.	U	780.	U	15.	U	15.	U	15.	U	15.	U
84-74-2	Di-n-butylphthalate	870.	U	810.	U	15.	U	15.	U	15.	U	15.	U
56-57-5	4-Nitroquinoline 1-oxide	5400.	UR	5100.	UR	75.	UJ	75.	UR	75.	UJ	75.	UJ
91-80-5	Methapyrilene	1500.	U	1400.	U	30.	UJ	30.	UJ	30.	U	30.	UJ
6055-19-2	Cyclophosphamide Hydrate	710.	UR	660.	UR	20.	UR	20.	U	20.	UR	20.	UR
465-73-6	Isodrin	1000.	U	970.	U	15.	U	15.	U	15.	U	15.	U
206-44-0	Fluoranthene	200.	J	970.	U	20.	U	20.	U	20.	U	20.	U
92-87-5	Benzidine	1800.	U	1700.	U	25.	UJ	25.	UJ	25.	UJ	25.	UJ
129-00-0	Pyrene	210.	J	770.	U	10.	U	10.	UJ	10.	U	10.	UJ

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	GDC-S-B040-01	GDC-C-B045-01	GDC-G-W001-01	GDC-G-W002-01	GDC-G-W01D-01	GDC-G-W02D-01
	ORIGINAL ID ----->	GDCSB04001	GDCCB04501	GDCGW00101	GRDGW00201	GDCGW01D01	GDCGW02D01
	LAB SAMPLE ID --->	737246	736410	730805	709202	730801	731346
	ID FROM REPORT -->	GDCSB04001	GDCCB04501	GDCGW00101	GRDGW00201	GDCGW01D01	GDCGW02D01
	SAMPLE DATE ----->	06/29/95	06/27/95	06/12/95	04/25/95	06/12/95	06/13/95
	DATE EXTRACTED -->	07/07/95	06/30/95	06/16/95	05/01/95	06/16/95	06/20/95
	DATE ANALYZED --->	07/21/95	07/20/95	07/12/95	05/04/95	07/12/95	07/14/95
	MATRIX ---------->	Soil	Soil	Water	Water	Water	Water
	UNITS ---------->	UG/KG	UG/KG	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	0022S	VAL	0021S	VAL	0017S	VAL	0016S	VAL	0017S	VAL	0017S	VAL
140-57-8	Aramite	740.	UJ	690.	U	20.	U	20.	UJ	20.	UJ	20.	UJ
60-11-7	p-(Dimethylamino)azobenzene	750.	U	710.	U	10.	U	10.	UJ	10.	U	10.	U
510-15-6	Chlorobenzilate	800.	U	750.	U	10.	UJ	10.	UJ	10.	UJ	10.	UJ
52-85-7	Famphur	2200.	U	2100.	UJ	65.	UJ	65.	UR	65.	UJ	65.	UJ
85-68-7	Butylbenzylphthalate	760.	U	160.	J	10.	U	10.	U	10.	UJ	10.	UJ
119-93-7	3,3-Dimethylbenzidine	1100.	U	1000.	U	100.	UJ	100.	U	100.	UJ	100.	UJ
53-96-3	Acetamidofluorene	800.	U	750.	U	10.	U	10.	U	10.	U	10.	U
119-90-4	3,3'-Dimethoxybenzidine	1100.	U	1000.	U	20.	UJ	20.	U	20.	UJ	20.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	1200.		150.	J	10.	U	10.	U	10.	U	25.	U
101-14-4	Benzenamine, 4,4'-methylenebis[2chloro-	510.	U	470.	U	15.	U	15.	U	15.	U	15.	U
91-94-1	3,3'-Dichlorobenzidine	560.	U	530.	U	10.	U	10.	U	10.	U	10.	U
56-55-3	Benzo(a)anthracene	140.	J	690.	U	10.	U	10.	U	10.	U	10.	U
218-01-9	Chrysene	130.	J	570.	U	15.	U	15.	U	15.	U	15.	U
117-84-0	Di-n-octyl phthalate	540.	U	510.	U	20.	U	10.	U	20.	U	20.	U
57-97-6	7,12-Dimethylbenz(a)anthracene	460.	U	430.	U	10.	U	10.	U	10.	U	10.	U
205-99-2	Benzo(b)fluoranthene	270.	J	810.	U	10.	U	10.	U	10.	U	10.	U
207-08-9	Benzo(k)fluoranthene	290.	J	650.	U	20.	U	20.	U	20.	U	20.	U
50-32-8	Benzo(a)pyrene	130.	J	690.	U	5.	U	5.	U	5.	U	5.	U
56-49-5	3-Methyl cholanthrene	690.	U	640.	U	5.	U	5.	U	5.	U	5.	U
224-42-0	Dibenz(a,j)acridine	460.	U	430.	U	10.	U	10.	U	10.	U	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	110.	J	480.	U	10.	U	10.	U	10.	U	10.	U
53-70-3	Dibenz(a,h)anthracene	480.	U	450.	U	10.	U	10.	U	10.	U	10.	U
191-24-2	Benzo(g,h,i)perylene	160.	J	650.	U	10.	U	10.	UJ	10.	U	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA	SAMPLE ID ------->	044-W-0014-01	044-W-0016-01	044-W-0018-01	044-W-0019-01	044-R-0019-01	044-W-0020-01
	ORIGINAL ID ----->	044W001401	044W001601	044W001801	044W001901	044R001901	044W002001
	LAB SAMPLE ID --->	704846	704851	701871	701906	701926	701943
	ID FROM REPORT -->	044W001401	044W001601	044W001801	044W001901	044R001901	044W002001
	SAMPLE DATE ----->	04/19/95	04/19/95	04/11/95	04/11/95	04/11/95	04/11/95
	DATE ANALYZED --->	04/27/95	04/27/95	04/25/95	04/25/95	04/26/95	04/26/95
	MATRIX ---------->	Water	Water	Water	Water	Water	Water
	UNITS ----------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	0007V	VAL	0007V	VAL	0007V	VAL	0007V	VAL	0007V	VAL	0007V	VAL
74-87-3	Chloromethane	15.	UJ	15.	U	15.	U	15.	U	15.	U	15.	U
74-83-9	Bromomethane	10.	UJ	10.	U	10.	U	10.	U	10.	U	10.	U
75-01-4	Vinyl chloride	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
75-00-3	Chloroethane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
75-09-2	Methylene chloride	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
67-64-1	Acetone	15.	U	15.	UJ	15.	U	15.	U	15.	U	15.	U
75-15-0	Carbon disulfide	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
75-35-4	1,1-Dichloroethene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
75-34-3	1,1-Dichloroethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
540-59-0	1,2-Dichloroethene (total)	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
67-66-3	Chloroform	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
107-06-2	1,2-Dichloroethane	5.	U	5.	UJ	5.	U	5.	U	5.	U	5.	U
78-93-3	2-Butanone (MEK)	20.	U	20.	UJ	20.	UJ	20.	UJ	20.	UJ	20.	UJ
71-55-6	1,1,1-Trichloroethane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
56-23-5	Carbon tetrachloride	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
75-27-4	Bromodichloromethane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
78-87-5	1,2-Dichloropropane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
10061-01-5	cis-1,3-Dichloropropene	15.	U	15.	UJ	15.	U	15.	U	15.	U	15.	U
79-01-6	Trichloroethene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
124-48-1	Dibromochloromethane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
79-00-5	1,1,2-Trichloroethane	5.	UJ	5.	U	5.	U	5.	U	5.	U	5.	U
71-43-2	Benzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
10061-02-6	trans-1,3-Dichloropropene	10.	UJ	10.	UJ	10.	U	10.	U	10.	U	10.	U
75-25-2	Bromoform	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
591-78-6	2-Hexanone	15.	U	15.	U	15.	U	15.	U	15.	U	15.	U
127-18-4	Tetrachloroethene	10.	UJ	10.	U	10.	U	10.	U	10.	U	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
108-88-3	Toluene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
108-90-7	Chlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
100-41-4	Ethylbenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
100-42-5	Styrene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
1330-20-7	Xylene (Total)	15.	U	15.	U	15.	U	15.	U	15.	U	15.	U
107-02-8	Acrolein	90.	U	90.	UJ	90.	U	1.	J	90.	U	90.	U
354-58-5	1,1,1-trichloro-2,2,2-trifluoromethane	15.	U	15.	U	15.	U	15.	U	15.	U	15.	U
75-69-4	Trichlorofluoromethane	10.	U	10.	UJ	10.	U	10.	U	10.	U	10.	U
76-13-1	Trichlorotrifluoroethane (Freon 113)	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA	SAMPLE ID ------->	044-W-0014-01	044-W-0016-01	044-W-0018-01	044-W-0019-01	044-R-0019-01	044-W-0020-01
	ORIGINAL ID ----->	044W001401	044W001601	044W001801	044W001901	044R001901	044W002001
	LAB SAMPLE ID --->	704846	704851	701871	701906	701926	701943
	ID FROM REPORT -->	044W001401	044W001601	044W001801	044W001901	044R001901	044W002001
	SAMPLE DATE ----->	04/19/95	04/19/95	04/11/95	04/11/95	04/11/95	04/11/95
	DATE ANALYZED --->	04/27/95	04/27/95	04/25/95	04/25/95	04/26/95	04/26/95
	MATRIX ---------->	Water	Water	Water	Water	Water	Water
	UNITS ----------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	0007V	VAL	0007V	VAL	0007V	VAL	0007V	VAL	0007V	VAL	0007V	VAL
74-88-4	Methyl iodide	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
107-05-1	3-Chloropropene	15.	U	15.	U	15.	U	15.	U	15.	U	15.	U
75-05-8	Acetonitrile	60.	U	60.	U	60.	U	60.	U	60.	U	60.	U
107-13-1	Acrylonitrile	95.	U	95.	U	95.	U	95.	U	95.	U	95.	U
108-05-4	Vinyl acetate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
107-12-0	Propionitrile	220.	U	220.	UR	220.	UJ	220.	UJ	220.	UR	220.	UR
126-98-7	Methacrylonitrile	20.	U	20.	U	20.	U	20.	U	20.	U	20.	U
4170-30-3	Crotonaldehyde	300.	UR	300.	UR	300.	UR	300.	UR	300.	UR	300.	UR
78-83-1	Isobutyl alcohol	2800.	UR	2800.	UR	2800.	UR	2800.	UR	2800.	UR	2800.	UR
74-95-3	Methylene bromide	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
80-62-6	Methyl methacrylate	20.	U	20.	UR	20.	U	20.	U	20.	UR	20.	UR
123-91-1	1,4-Dioxane	3700.	UR	3700.	UR	3700.	UR	3700.	UR	3700.	UR	3700.	UR
110-75-8	2-Chloroethyl vinyl ether	10.	UJ	10.	UR	10.	UR	10.	UR	10.	UR	10.	UR
97-63-2	Ethyl methacrylate	10.	UJ	10.	U	10.	U	10.	U	10.	U	10.	U
106-93-4	1, 2-Dibromoethane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
630-20-6	1,1,1,2-Tetrachloroethane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
1476-11-5	Cis-1,4-Dichloro-2-Butene	5.	U	5.	UJ	5.	U	5.	U	5.	U	5.	U
96-18-4	1,2,3-Trichloropropane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
110-57-6	trans-1,4-Dichloro-2-butene	10.	U	10.	UR	10.	U	10.	U	10.	UR	10.	UR
96-12-8	1,2-Dibromo-3-Chloropropane	10.	U	10.	U	10.	UJ	10.	UJ	10.	U	10.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA																					
	SAMPLE ID ------>	044-W-0021-01			044-W-0022-01			044-C-B007-01			044-H-W004-01			044-G-W006-01			047-S-B001-01		
	ORIGINAL ID ----->	044W002101			044W002201			044CB00701			044HW00401			044GW00601			047SB00101		
	LAB SAMPLE ID --->	701963			704860			690189			731332			709170			697972		
	ID FROM REPORT -->	044W002101			044W002201			044CB00701			044HW00401			044GW00601			047SB00101		
	SAMPLE DATE ----->	04/11/95			04/19/95			03/14/95			06/13/95			04/25/95			04/03/95		
	DATE ANALYZED --->	04/26/95			04/27/95			03/20/95			06/24/95			05/09/95			04/06/95		
	MATRIX ---------->	Water			Water			Soil			Water			Water			Soil		
	UNITS ----------->	UG/L			UG/L			UG/KG			UG/L			UG/L			UG/KG		
CAS #	Parameter	0007V		VAL	0007V		VAL	0001V		VAL	0018V		VAL	0016V		VAL	0004V		VAL
74-87-3	Chloromethane	15.		U	15.		U	40.		U	15.		UJ	15.		U	41.		UJ
74-83-9	Bromomethane	10.		U	10.		U	23.		U	10.		UJ	10.		U	24.		U
75-01-4	Vinyl chloride	10.		U	10.		U	23.		U	10.		UJ	10.		U	24.		U
75-00-3	Chloroethane	10.		U	10.		U	23.		U	10.		UJ	10.		U	24.		U
75-09-2	Methylene chloride	10.		U	10.		U	23.		UJ	10.		UJ	10.		U	51.		U
67-64-1	Acetone	15.		U	15.		UJ	100.		U	15.		UJ	15.		UJ	250.		U
75-15-0	Carbon disulfide	10.		U	10.		U	11.		U	10.		UJ	10.		U	12.		UJ
75-35-4	1,1-Dichloroethene	5.		U	5.		U	23.		U	5.		UJ	5.		U	24.		U
75-34-3	1,1-Dichloroethane	5.		U	5.		U	17.		U	5.		UJ	5.		U	18.		UJ
540-59-0	1,2-Dichloroethene (total)	10.		U	10.		U	52.		U	10.		UJ	10.		U	53.		U
67-66-3	Chloroform	5.		U	5.		U	17.		U	5.		UJ	5.		U	18.		U
107-06-2	1,2-Dichloroethane	5.		U	5.		UJ	11.		U	5.		UJ	5.		UJ	12.		U
78-93-3	2-Butanone (MEK)	20.		UJ	20.		UJ	40.		U	20.		UJ	20.		U	41.		U
71-55-6	1,1,1-Trichloroethane	10.		U	10.		U	23.		U	10.		UJ	10.		U	24.		UJ
56-23-5	Carbon tetrachloride	10.		U	10.		U	17.		U	10.		UJ	10.		UJ	18.		UJ
75-27-4	Bromodichloromethane	10.		U	10.		U	23.		U	10.		UJ	10.		U	24.		UJ
78-87-5	1,2-Dichloropropane	10.		U	10.		U	23.		U	10.		UJ	10.		U	24.		U
10061-01-5	cis-1,3-Dichloropropene	15.		U	15.		UJ	11.		U	15.		UJ	15.		U	12.		U
79-01-6	Trichloroethene	5.		U	5.		U	23.		U	5.		UJ	5.		U	24.		U
124-48-1	Dibromochloromethane	10.		U	10.		U	17.		UJ	10.		UJ	10.		U	18.		UJ
79-00-5	1,1,2-Trichloroethane	5.		U	5.		U	17.		U	5.		UJ	5.		U	18.		UJ
71-43-2	Benzene	10.		U	10.		U	17.		U	10.		UJ	10.		U	18.		U
10061-02-6	trans-1,3-Dichloropropene	10.		U	10.		UJ	17.		U	10.		UJ	10.		U	18.		UJ
75-25-2	Bromoform	10.		U	10.		U	17.		U	10.		UJ	10.		U	18.		UJ
108-10-1	4-Methyl-2-Pentanone (MIBK)	10.		U	10.		U	29.		U	10.		UJ	10.		UJ	29.		U
591-78-6	2-Hexanone	15.		U	15.		U	40.		U	15.		UJ	15.		UJ	41.		U
127-18-4	Tetrachloroethene	10.		U	10.		U	17.		U	10.		UJ	10.		U	18.		U
79-34-5	1,1,2,2-Tetrachloroethane	10.		U	10.		U	11.		U	10.		UJ	10.		U	12.		U
108-88-3	Toluene	5.		U	5.		U	1.		J	5.		UJ	5.		U	18.		U
108-90-7	Chlorobenzene	10.		U	10.		U	17.		U	10.		UJ	10.		U	18.		U
100-41-4	Ethylbenzene	10.		U	10.		U	17.		U	10.		UJ	10.		U	18.		U
100-42-5	Styrene	5.		U	5.		U	11.		U	5.		UJ	5.		U	12.		U
1330-20-7	Xylene (Total)	15.		U	15.		U	23.		U	15.		UJ	15.		U	24.		U
107-02-8	Acrolein	90.		U	90.		UJ	260.		U	90.		UJ	90.		U	270.		U
354-58-5	1,1,1-trichloro-2,2,2-trifluoromethane	15.		U	15.		U	17.		U	15.		UJ	15.		U	18.		U
75-69-4	Trichlorofluoromethane	10.		U	10.		UJ	23.		U	10.		UJ	10.		UJ	24.		U
76-13-1	Trichlorotrifluoroethane (Freon 113)	25.		U	25.		U	11.		U	25.		UJ	25.		UJ	12.		U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA															
	SAMPLE ID ------->	044-W-0021-01		044-W-0022-01		044-C-B007-01		044-H-W004-01		044-G-W006-01		047-S-B001-01	
	ORIGINAL ID ----->	044W002101		044W002201		044CB00701		044HW00401		044GW00601		047SB00101	
	LAB SAMPLE ID --->	701963		704860		690189		731332		709170		697972	
	ID FROM REPORT -->	044W002101		044W002201		044CB00701		044HW00401		044GW00601		047SB00101	
	SAMPLE DATE ----->	04/11/95		04/19/95		03/14/95		06/13/95		04/25/95		04/03/95	
	DATE ANALYZED --->	04/26/95		04/27/95		03/20/95		06/24/95		05/09/95		04/06/95	
	MATRIX ---------->	Water		Water		Soil		Water		Water		Soil	
	UNITS ---------->	UG/L		UG/L		UG/KG		UG/L		UG/L		UG/KG	
CAS #	Parameter	0007V	VAL	0007V	VAL	0001V	VAL	0018V	VAL	0016V	VAL	0004V	VAL
74-88-4	Methyl iodide	5.	U	5.	U	11.	U	5.	UJ	5.	U	12.	U
107-05-1	3-Chloropropene	15.	U	15.	U	17.	U	15.	UJ	15.	U	18.	U
75-05-8	Acetonitrile	60.	U	60.	U	230.	U	60.	UJ	60.	U	240.	UJ
107-13-1	Acrylonitrile	95.	U	95.	U	240.	U	95.	UJ	95.	U	250.	U
108-05-4	Vinyl acetate	10.	U	10.	U	23.	U	10.	UJ	10.	U	24.	U
107-12-0	Propionitrile	220.	UR	220.	UR	680.	U	220.	UJ	220.	U	690.	UR
126-98-7	Methacrylonitrile	20.	U	20.	U	23.	U	20.	UJ	20.	U	24.	U
4170-30-3	Crotonaldehyde	300.	UR	300.	UR	630.	UR	300.	UR	300.	UR	650.	UR
78-83-1	Isobutyl alcohol	2800.	UR	2800.	UR	15000.	UR	2800.	UR	2800.	UR	15000.	UR
74-95-3	Methylene bromide	10.	U	10.	U	23.	U	10.	UJ	10.	U	24.	U
80-62-6	Methyl methacrylate	20.	UR	20.	UR	57.	U	20.	UJ	20.	U	59.	UJ
123-91-1	1,4-Dioxane	3700.	UR	3700.	UR	59000.	UR	3700.	UR	3700.	UR	60000.	UR
110-75-8	2-Chloroethyl vinyl ether	10.	UR	10.	UR	17.	U	10.	UR	10.	U	18.	UR
97-63-2	Ethyl methacrylate	10.	U	10.	U	29.	U	10.	UJ	10.	U	29.	U
106-93-4	1, 2-Dibromoethane	10.	U	10.	U	23.	U	10.	UJ	10.	U	24.	UJ
630-20-6	1,1,1,2-Tetrachloroethane	10.	U	10.	U	23.	U	10.	UJ	10.	U	24.	UJ
1476-11-5	Cis-1,4-Dichloro-2-Butene	5.	U	5.	UJ	23.	U	5.	UJ	5.	U	24.	UJ
96-18-4	1,2,3-Trichloropropane	10.	U	10.	U	23.	UJ	10.	UJ	10.	U	24.	UJ
110-57-6	trans-1,4-Dichloro-2-butene	10.	UR	10.	UR	23.	UJ	10.	UJ	10.	UJ	24.	UJ
96-12-8	1,2-Dibromo-3-Chloropropane	10.	U	10.	U	23.	UJ	10.	UJ	10.	U	59.	UJ

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA	SAMPLE ID ------->	047-S-B001-02	047-S-B002-01	047-S-B003-01	047-S-B003-02	047-S-B004-01	047-C-B004-01
	ORIGINAL ID ----->	047SB00102	047SB00201	047SB00301	047SB00302	047SB00401	047CB00401
	LAB SAMPLE ID --->	697981	697987	703289	703290	703279	703294
	ID FROM REPORT -->	047SB00102	047SB00201	047SB00301	047SB00302	047SB00401	047CB00401
	SAMPLE DATE ----->	04/03/95	04/03/95	04/13/95	04/13/95	04/13/95	04/13/95
	DATE ANALYZED --->	04/07/95	04/07/95	04/24/95	04/24/95	04/23/95	04/24/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0004V	VAL	0004V	VAL	0010V	VAL	0010V	VAL	0010V	VAL	0010V	VAL
74-87-3	Chloromethane	45.	U	39.	U	44.	U	46.	U	40.	U	39.	U
74-83-9	Bromomethane	26.	U	22.	U	25.	U	26.	U	23.	U	22.	U
75-01-4	Vinyl chloride	26.	U	22.	U	25.	U	26.	U	23.	U	22.	U
75-00-3	Chloroethane	26.	U	22.	U	25.	U	26.	U	23.	U	22.	U
75-09-2	Methylene chloride	26.	U	22.	UJ	25.	UJ	69.	UJ	23.	UJ	22.	UJ
67-64-1	Acetone	115.	UJ	97.	UJ	112.	UJ	117.	UJ	104.	UJ	99.	UJ
75-15-0	Carbon disulfide	13.	U	11.	U	13.	U	13.	U	11.	U	11.	U
75-35-4	1,1-Dichloroethene	26.	U	22.	U	25.	U	26.	U	23.	U	22.	U
75-34-3	1,1-Dichloroethane	19.	U	17.	U	19.	U	20.	U	17.	U	17.	U
540-59-0	1,2-Dichloroethene (total)	58.	U	50.	U	57.	U	59.	U	52.	U	51.	U
67-66-3	Chloroform	19.	U	17.	U	19.	U	20.	U	17.	U	17.	U
107-06-2	1,2-Dichloroethane	13.	U	11.	U	13.	UJ	13.	UJ	11.	UJ	11.	U
78-93-3	2-Butanone (MEK)	45.	UJ	39.	UJ	44.	UJ	46.	UJ	40.	UJ	39.	UJ
71-55-6	1,1,1-Trichloroethane	26.	U	22.	U	25.	UJ	26.	UJ	23.	UJ	22.	UJ
56-23-5	Carbon tetrachloride	19.	U	17.	U	19.	UJ	20.	UJ	17.	UJ	17.	UJ
75-27-4	Bromodichloromethane	26.	U	22.	U	25.	U	26.	U	23.	U	22.	U
78-87-5	1,2-Dichloropropane	26.	U	22.	U	25.	U	26.	U	23.	U	22.	U
10061-01-5	cis-1,3-Dichloropropene	13.	U	11.	U	13.	UJ	13.	UJ	11.	UJ	11.	U
79-01-6	Trichloroethene	26.	U	22.	U	25.	U	26.	U	23.	U	22.	U
124-48-1	Dibromochloromethane	19.	U	17.	U	19.	UJ	20.	UJ	17.	UJ	17.	U
79-00-5	1,1,2-Trichloroethane	19.	U	17.	U	19.	U	20.	U	17.	U	17.	U
71-43-2	Benzene	19.	U	17.	U	19.	U	20.	U	17.	U	17.	U
10061-02-6	trans-1,3-Dichloropropene	19.	U	17.	U	19.	UJ	20.	UJ	17.	UJ	17.	U
75-25-2	Bromoform	19.	U	17.	U	19.	UJ	20.	UJ	17.	UJ	17.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	32.	U	28.	U	32.	U	33.	U	29.	U	28.	U
591-78-6	2-Hexanone	45.	U	39.	U	44.	U	46.	U	40.	U	39.	U
127-18-4	Tetrachloroethene	19.	U	17.	U	19.	UJ	20.	UJ	17.	UJ	17.	U
79-34-5	1,1,2,2-Tetrachloroethane	13.	U	11.	U	13.	U	13.	U	11.	U	11.	U
108-88-3	Toluene	19.	U	17.	U	19.	U	20.	U	17.	U	17.	U
108-90-7	Chlorobenzene	19.	U	17.	U	19.	U	20.	U	17.	U	17.	U
100-41-4	Ethylbenzene	19.	U	17.	U	19.	U	20.	U	17.	U	17.	U
100-42-5	Styrene	13.	U	11.	U	13.	U	13.	U	11.	U	11.	U
1330-20-7	Xylene (Total)	26.	U	22.	U	25.	U	26.	U	23.	U	22.	U
107-02-8	Acrolein	300.	U	260.	U	290.	U	300.	U	260.	U	260.	U
354-58-5	1,1,1-trichloro-2,2,2-trifluoromethane	19.	U	17.	U	19.	U	20.	U	17.	U	17.	U
75-69-4	Trichlorofluoromethane	26.	U	22.	U	25.	UJ	26.	UJ	23.	UJ	22.	UJ
76-13-1	Trichlorotrifluoroethane (Freon 113)	13.	U	11.	U	13.	U	13.	U	11.	U	11.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA													
	SAMPLE ID ------->	047-S-B001-02		047-S-B002-01		047-S-B003-01		047-S-B003-02		047-S-B004-01		047-C-B004-01	
	ORIGINAL ID ----->	047SB00102		047SB00201		047SB00301		047SB00302		047SB00401		047CB00401	
	LAB SAMPLE ID --->	697981		697987		703289		703290		703279		703294	
	ID FROM REPORT -->	047SB00102		047SB00201		047SB00301		047SB00302		047SB00401		047CB00401	
	SAMPLE DATE ----->	04/03/95		04/03/95		04/13/95		04/13/95		04/13/95		04/13/95	
	DATE ANALYZED --->	04/07/95		04/07/95		04/24/95		04/24/95		04/23/95		04/24/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0004V	VAL	0004V	VAL	0010V	VAL	0010V	VAL	0010V	VAL	0010V	VAL
74-88-4	Methyl iodide	13.	U	11.	U	13.	U	13.	U	11.	U	11.	U
107-05-1	3-Chloropropene	19.	U	17.	U	19.	U	20.	U	17.	U	17.	UJ
75-05-8	Acetonitrile	260.	U	220.	U	250.	U	260.	U	230.	U	220.	U
107-13-1	Acrylonitrile	270.	U	230.	U	270.	U	280.	U	240.	U	240.	U
108-05-4	Vinyl acetate	26.	U	22.	U	25.	U	26.	U	23.	U	22.	U
107-12-0	Propionitrile	770.	U	660.	U	750.	U	780.	U	680.	U	660.	U
126-98-7	Methacrylonitrile	26.	U	22.	U	25.	U	26.	U	23.	U	22.	U
4170-30-3	Crotonaldehyde	710.	UR	610.	UR	700.	UR	720.	UR	630.	UR	620.	UR
78-83-1	Isobutyl alcohol	17000.	UR	14000.	UR	16000.	UR	17000.	UR	15000.	UR	15000.	UR
74-95-3	Methylene bromide	26.	U	22.	U	25.	U	26.	U	23.	U	22.	U
80-62-6	Methyl methacrylate	65.	U	56.	U	63.	UJ	66.	UJ	57.	UJ	56.	UJ
123-91-1	1,4-Dioxane	66000.	UR	57000.	UR	65000.	UR	67000.	UR	59000.	UR	57000.	UR
110-75-8	2-Chloroethyl vinyl ether	19.	UR	17.	UR	19.	UR	20.	UR	17.	UR	17.	UR
97-63-2	Ethyl methacrylate	32.	U	28.	U	32.	U	33.	U	29.	U	28.	U
106-93-4	1, 2-Dibromoethane	26.	U	22.	U	25.	U	26.	U	23.	U	22.	U
630-20-6	1,1,1,2-Tetrachloroethane	26.	U	22.	U	25.	U	26.	U	23.	U	22.	U
1476-11-5	Cis-1,4-Dichloro-2-Butene	26.	U	22.	U	25.	U	26.	U	23.	U	22.	U
96-18-4	1,2,3-Trichloropropane	26.	U	22.	U	25.	U	26.	U	23.	U	22.	U
110-57-6	trans-1,4-Dichloro-2-butene	26.	U	22.	U	25.	U	26.	U	23.	U	22.	U
96-12-8	1,2-Dibromo-3-Chloropropane	65.	U	56.	U	63.	U	66.	U	57.	U	56.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA	SAMPLE ID ------->	047-S-B004-02	047-S-B005-01	047-S-B005-02	047-S-B006-01	047-S-B007-01	047-S-B007-02
	ORIGINAL ID ----->	047SB00402	047SB00501	047SB00502	047SB00601	047SB00701	047SB01102
	LAB SAMPLE ID --->	703282	697009	697015	697021	703491	703497
	ID FROM REPORT -->	047SB00402	047SB00501	047SB00502	047SB00601	047SB00701	047SB01102
	SAMPLE DATE ----->	04/13/95	03/31/95	03/31/95	03/31/95	04/14/95	04/14/95
	DATE ANALYZED --->	04/25/95	04/12/95	04/09/95	04/09/95	04/26/95	04/26/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0010V	VAL	0003V	VAL	0003V	VAL	0003V	VAL	0012V	VAL	0012V	VAL
74-87-3	Chloromethane	42.	U	38.	U	43.	U	37.	U	40.	U	48.	U
74-83-9	Bromomethane	24.	U	22.	U	25.	U	21.	U	23.	U	27.	U
75-01-4	Vinyl chloride	24.	U	22.	U	25.	U	21.	U	23.	U	27.	U
75-00-3	Chloroethane	24.	U	22.	U	25.	U	21.	U	23.	U	27.	U
75-09-2	Methylene chloride	24.	UJ	22.	UJ	25.	UJ	21.	UJ	27.	U	42.	U
67-64-1	Acetone	24.	J	97.	U	11.	J	95.	U	40.	U	48.	U
75-15-0	Carbon disulfide	12.	U	11.	U	12.	U	11.	U	11.	U	14.	U
75-35-4	1,1-Dichloroethene	24.	U	22.	U	25.	U	21.	U	23.	U	27.	U
75-34-3	1,1-Dichloroethane	18.	UJ	16.	U	19.	U	16.	U	17.	U	21.	U
540-59-0	1,2-Dichloroethene (total)	54.	U	48.	U	56.	U	47.	U	51.	U	62.	U
67-66-3	Chloroform	18.	U	16.	U	19.	U	16.	U	17.	U	21.	U
107-06-2	1,2-Dichloroethane	12.	U	11.	U	12.	U	11.	U	11.	U	14.	U
78-93-3	2-Butanone (MEK)	42.	U	38.	UJ	43.	UJ	37.	UJ	40.	UJ	48.	UJ
71-55-6	1,1,1-Trichloroethane	24.	U	22.	U	25.	U	21.	U	23.	UJ	27.	UJ
56-23-5	Carbon tetrachloride	18.	UJ	16.	U	19.	U	16.	U	17.	UJ	21.	UJ
75-27-4	Bromodichloromethane	24.	U	22.	U	25.	U	21.	U	23.	U	27.	U
78-87-5	1,2-Dichloropropane	24.	U	22.	U	25.	U	21.	U	23.	U	27.	U
10061-01-5	cis-1,3-Dichloropropene	12.	U	11.	U	12.	U	11.	U	11.	UJ	14.	UJ
79-01-6	Trichloroethene	24.	U	22.	U	25.	U	21.	U	23.	U	27.	U
124-48-1	Dibromochloromethane	18.	U	16.	U	19.	U	16.	U	17.	U	21.	U
79-00-5	1,1,2-Trichloroethane	18.	U	16.	U	19.	U	16.	U	17.	U	21.	U
71-43-2	Benzene	18.	U	16.	U	19.	U	16.	U	17.	U	21.	U
10061-02-6	trans-1,3-Dichloropropene	18.	U	16.	U	19.	U	16.	U	17.	U	21.	U
75-25-2	Bromoform	18.	U	16.	U	19.	U	16.	U	17.	U	21.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	30.	U	27.	U	31.	U	26.	U	28.	U	34.	U
591-78-6	2-Hexanone	42.	U	38.	U	43.	U	37.	U	40.	UJ	48.	UJ
127-18-4	Tetrachloroethene	18.	U	16.	U	19.	U	16.	U	17.	U	21.	U
79-34-5	1,1,2,2-Tetrachloroethane	12.	U	11.	U	12.	U	11.	U	11.	UJ	14.	UJ
108-88-3	Toluene	18.	U	16.	U	19.	U	16.	U	17.	U	21.	U
108-90-7	Chlorobenzene	18.	U	16.	U	19.	U	16.	U	17.	U	21.	U
100-41-4	Ethylbenzene	18.	U	16.	U	19.	U	16.	U	17.	U	21.	U
100-42-5	Styrene	12.	U	11.	U	12.	U	11.	U	11.	U	14.	U
1330-20-7	Xylene (Total)	24.	U	22.	U	25.	U	21.	U	23.	U	27.	U
107-02-8	Acrolein	280.	U	250.	U	280.	U	240.	U	260.	U	320.	U
354-58-5	1,1,1-trichloro-2,2,2-trifluoromethane	18.	U	16.	U	19.	U	16.	U	17.	U	21.	U
75-69-4	Trichlorofluoromethane	24.	UJ	22.	U	25.	U	21.	U	23.	UJ	27.	UJ
76-13-1	Trichlorotrifluoroethane (Freon 113)	12.	U	11.	U	12.	U	11.	U	11.	U	14.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA													
	SAMPLE ID ------->	047-S-B004-02		047-S-B005-01		047-S-B005-02		047-S-B006-01		047-S-B007-01		047-S-B007-02	
	ORIGINAL ID ----->	047SB00402		047SB00501		047SB00502		047SB00601		047SB00701		047SB01102	
	LAB SAMPLE ID --->	703282		697009		697015		697021		703491		703497	
	ID FROM REPORT -->	047SB00402		047SB00501		047SB00502		047SB00601		047SB00701		047SB01102	
	SAMPLE DATE ----->	04/13/95		03/31/95		03/31/95		03/31/95		04/14/95		04/14/95	
	DATE ANALYZED --->	04/25/95		04/12/95		04/09/95		04/09/95		04/26/95		04/26/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0010V	VAL	0003V	VAL	0003V	VAL	0003V	VAL	0012V	VAL	0012V	VAL
74-88-4	Methyl iodide	12.	U	11.	U	12.	U	11.	U	11.	U	14.	U
107-05-1	3-Chloropropene	18.	U	16.	U	19.	U	16.	U	17.	U	21.	U
75-05-8	Acetonitrile	240.	U	220.	U	250.	U	210.	U	230.	U	270.	U
107-13-1	Acrylonitrile	250.	U	230.	U	260.	U	220.	U	240.	U	290.	U
108-05-4	Vinyl acetate	24.	U	22.	U	25.	U	21.	U	23.	U	27.	U
107-12-0	Propionitrile	710.	U	630.	U	730.	U	620.	U	670.	U	810.	U
126-98-7	Methacrylonitrile	24.	U	22.	U	25.	U	21.	U	23.	UJ	27.	UJ
4170-30-3	Crotonaldehyde	660.	UR	590.	UR	680.	UR	580.	U	620.	UR	750.	UR
78-83-1	Isobutyl alcohol	16000.	UR	14000.	UR	16000.	UR	14000.	U	15000.	UR	18000.	UR
74-95-3	Methylene bromide	24.	U	22.	U	25.	U	21.	U	23.	U	27.	U
80-62-6	Methyl methacrylate	60.	UJ	54.	U	62.	U	53.	U	57.	UJ	68.	UJ
123-91-1	1,4-Dioxane	61000.	UR	55000.	UR	63000.	UR	54000.	U	58000.	UR	70000.	UR
110-75-8	2-Chloroethyl vinyl ether	18.	UR	16.	UR	19.	UR	16.	U	17.	UR	21.	UR
97-63-2	Ethyl methacrylate	30.	U	27.	U	31.	U	26.	U	28.	U	34.	U
106-93-4	1, 2-Dibromoethane	24.	U	22.	U	25.	U	21.	U	23.	U	27.	U
630-20-6	1,1,1,2-Tetrachloroethane	24.	U	22.	U	25.	U	21.	U	23.	U	27.	U
1476-11-5	Cis-1,4-Dichloro-2-Butene	24.	U	22.	U	25.	U	21.	U	23.	U	27.	U
96-18-4	1,2,3-Trichloropropane	24.	U	22.	U	25.	U	21.	U	23.	U	27.	U
110-57-6	trans-1,4-Dichloro-2-butene	24.	U	22.	U	25.	U	21.	U	23.	U	27.	U
96-12-8	1,2-Dibromo-3-Chloropropane	60.	U	54.	U	62.	U	53.	U	57.	U	68.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA	SAMPLE ID ------->	047-S-B008-01	047-S-B008-02	047-S-B009-01	047-C-B009-01	047-S-B009-02	047-S-B010-01
	ORIGINAL ID ----->	047SB00801	047SB00802	047SB00901	047CB00901	047SB00902	047SB01001
	LAB SAMPLE ID --->	703291	703295	703444	703520	703463	703485
	ID FROM REPORT -->	047SB00801	047SB00802	047SB00901	047CB00901	047SB00902	047SB01001
	SAMPLE DATE ----->	04/13/95	04/13/95	04/14/95	04/14/95	04/14/95	04/14/95
	DATE ANALYZED --->	04/24/95	04/25/95	04/26/95	04/27/95	04/26/95	04/26/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0010V	VAL	0010V	VAL	0012V	VAL	0012V	VAL	0012V	VAL	0012V	VAL
74-87-3	Chloromethane	39.	U	56.	UJ	40.	U	38.	U	51.	U	44.	U
74-83-9	Bromomethane	22.	U	32.	U	23.	U	22.	U	29.	U	25.	U
75-01-4	Vinyl chloride	22.	U	32.	U	23.	U	22.	U	29.	U	25.	U
75-00-3	Chloroethane	22.	U	32.	U	23.	U	22.	U	29.	U	25.	U
75-09-2	Methylene chloride	42.	UJ	59.	UJ	34.	U	27.	U	52.	U	25.	U
67-64-1	Acetone	100.	UJ	144.	UJ	40.	U	76.	U	140.	U	44.	U
75-15-0	Carbon disulfide	11.	U	16.	U	11.	U	11.	U	15.	U	13.	U
75-35-4	1,1-Dichloroethene	22.	U	32.	U	23.	U	22.	U	29.	U	25.	U
75-34-3	1,1-Dichloroethane	17.	U	24.	U	17.	U	16.	U	22.	U	19.	U
540-59-0	1,2-Dichloroethene (total)	50.	U	73.	U	52.	U	49.	U	66.	U	57.	U
67-66-3	Chloroform	17.	U	24.	U	17.	U	16.	U	22.	U	19.	U
107-06-2	1,2-Dichloroethane	11.	UJ	16.	U	11.	U	11.	U	15.	U	13.	U
78-93-3	2-Butanone (MEK)	39.	UJ	56.	U	40.	UJ	38.	UJ	51.	UJ	44.	UJ
71-55-6	1,1,1-Trichloroethane	22.	UJ	32.	UJ	23.	UJ	22.	UJ	29.	UJ	25.	UJ
56-23-5	Carbon tetrachloride	17.	UJ	24.	UJ	17.	UJ	16.	UJ	22.	UJ	19.	UJ
75-27-4	Bromodichloromethane	22.	U	32.	U	23.	U	22.	U	29.	U	25.	U
78-87-5	1,2-Dichloropropane	22.	U	32.	U	23.	U	22.	U	29.	U	25.	U
10061-01-5	cis-1,3-Dichloropropene	11.	UJ	16.	U	11.	UJ	11.	U	15.	UJ	13.	UJ
79-01-6	Trichloroethene	22.	U	32.	U	23.	U	22.	U	29.	U	25.	U
124-48-1	Dibromochloromethane	17.	UJ	24.	UJ	17.	U	16.	UJ	22.	U	19.	U
79-00-5	1,1,2-Trichloroethane	17.	U	24.	U	17.	U	16.	U	22.	U	19.	U
71-43-2	Benzene	17.	U	24.	U	17.	U	16.	U	22.	U	19.	U
10061-02-6	trans-1,3-Dichloropropene	17.	UJ	24.	UJ	17.	U	16.	U	22.	U	19.	U
75-25-2	Bromoform	17.	UJ	24.	UJ	17.	U	16.	U	22.	U	19.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	28.	U	40.	U	29.	U	27.	UJ	37.	U	32.	U
591-78-6	2-Hexanone	39.	U	56.	U	40.	UJ	38.	UJ	51.	UJ	44.	UJ
127-18-4	Tetrachloroethene	17.	UJ	24.	U	17.	U	16.	U	22.	U	19.	U
79-34-5	1,1,2,2-Tetrachloroethane	11.	U	16.	U	11.	UJ	11.	UJ	15.	UJ	13.	UJ
108-88-3	Toluene	17.	U	24.	U	17.	U	16.	U	22.	U	19.	U
108-90-7	Chlorobenzene	17.	U	24.	U	17.	U	16.	U	22.	U	19.	U
100-41-4	Ethylbenzene	17.	U	24.	U	17.	U	16.	U	22.	U	19.	U
100-42-5	Styrene	11.	U	16.	U	11.	U	11.	U	15.	U	13.	U
1330-20-7	Xylene (Total)	22.	U	32.	U	23.	U	22.	U	29.	U	25.	U
107-02-8	Acrolein	260.	U	370.	UJ	260.	U	250.	UJ	340.	U	290.	U
354-58-5	1,1,1-trichloro-2,2,2-trifluoromethane	17.	U	24.	U	17.	U	16.	U	22.	U	19.	U
75-69-4	Trichlorofluoromethane	22.	UJ	32.	U	23.	UJ	22.	UJ	29.	UJ	25.	UJ
76-13-1	Trichlorotrifluoroethane (Freon 113)	11.	U	16.	U	11.	U	11.	U	15.	U	13.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA	SAMPLE ID ------>	047-S-B008-01	047-S-B008-02	047-S-B009-01	047-C-B009-01	047-S-B009-02	047-S-B010-01
	ORIGINAL ID ----->	047SB00801	047SB00802	047SB00901	047CB00901	047SB00902	047SB01001
	LAB SAMPLE ID --->	703291	703295	703444	703520	703463	703485
	ID FROM REPORT -->	047SB00801	047SB00802	047SB00901	047CB00901	047SB00902	047SB01001
	SAMPLE DATE ----->	04/13/95	04/13/95	04/14/95	04/14/95	04/14/95	04/14/95
	DATE ANALYZED --->	04/24/95	04/25/95	04/26/95	04/27/95	04/26/95	04/26/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0010V	VAL	0010V	VAL	0012V	VAL	0012V	VAL	0012V	VAL	0012V	VAL
74-88-4	Methyl iodide	11.	U	16.	U	11.	U	11.	U	15.	U	13.	U
107-05-1	3-Chloropropene	17.	U	24.	U	17.	U	16.	U	22.	U	19.	U
75-05-8	Acetonitrile	220.	U	320.	U	230.	U	220.	UJ	290.	U	250.	U
107-13-1	Acrylonitrile	230.	U	340.	U	240.	U	230.	UJ	310.	U	270.	U
108-05-4	Vinyl acetate	22.	U	32.	UJ	23.	U	22.	UJ	29.	U	25.	U
107-12-0	Propionitrile	660.	U	950.	UR	680.	U	650.	UJ	870.	U	750.	U
126-98-7	Methacrylonitrile	22.	U	32.	U	23.	UJ	22.	UJ	29.	UJ	25.	UJ
4170-30-3	Crotonaldehyde	610.	UR	890.	UR	630.	UR	600.	UR	810.	UR	700.	UR
78-83-1	Isobutyl alcohol	14000.	UR	21000.	UR	15000.	UR	14000.	UR	19000.	UR	16000.	UR
74-95-3	Methylene bromide	22.	U	32.	U	23.	U	22.	U	29.	U	25.	U
80-62-6	Methyl methacrylate	56.	UJ	81.	U	57.	UJ	55.	UJ	74.	UJ	63.	UJ
123-91-1	1,4-Dioxane	57000.	UR	82000.	UR	59000.	UR	56000.	UR	75000.	UR	65000.	UR
110-75-8	2-Chloroethyl vinyl ether	17.	UR	24.	UR	17.	UR	16.	UR	22.	UR	19.	UR
97-63-2	Ethyl methacrylate	28.	U	40.	U	29.	U	27.	UJ	37.	U	32.	U
106-93-4	1, 2-Dibromoethane	22.	U	32.	U	23.	U	22.	U	29.	U	25.	U
630-20-6	1,1,1,2-Tetrachloroethane	22.	U	32.	U	23.	U	22.	U	29.	U	25.	U
1476-11-5	Cis-1,4-Dichloro-2-Butene	22.	U	32.	UJ	23.	U	22.	U	29.	U	25.	U
96-18-4	1,2,3-Trichloropropane	22.	U	32.	U	23.	U	22.	UJ	29.	U	25.	U
110-57-6	trans-1,4-Dichloro-2-butene	22.	U	32.	UJ	23.	U	22.	UJ	29.	U	25.	U
96-12-8	1,2-Dibromo-3-Chloropropane	56.	U	81.	UJ	57.	U	55.	UJ	74.	U	63.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA	SAMPLE ID ------>	047-S-B011-01	047-S-B011-02	047-S-B012-01	047-S-B012-02	047-S-B013-01	047-S-B013-02
	ORIGINAL ID ----->	047SB01101	047SB01102	047SB01201	047SB01202	047SB01301	047SB01302
	LAB SAMPLE ID --->	703284	703285	703286	703288	703292	703293
	ID FROM REPORT -->	047SB01101	047SB01102	047SB01201	047SB01202	047SB01301	047SB01302
	SAMPLE DATE ----->	04/13/95	04/13/95	04/13/95	04/13/95	04/13/95	04/13/95
	DATE ANALYZED --->	04/23/95	04/23/95	04/25/95	04/24/95	04/24/95	04/24/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0010V	VAL	0010V	VAL	0010V	VAL	0010V	VAL	0010V	VAL	0010V	VAL
74-87-3	Chloromethane	38.	U	42.	U	37.	U	38.	U	38.	U	41.	U
74-83-9	Bromomethane	22.	U	24.	U	21.	U	22.	U	22.	U	24.	U
75-01-4	Vinyl chloride	22.	U	24.	U	21.	U	22.	U	22.	U	24.	U
75-00-3	Chloroethane	22.	U	24.	U	21.	U	22.	U	22.	U	24.	U
75-09-2	Methylene chloride	22.	UJ	24.	UJ	30.	UJ	22.	UJ	25.	UJ	24.	UJ
67-64-1	Acetone	100.	UJ	108.	UJ	47.	J	100.	UJ	100.	UJ	108.	UJ
75-15-0	Carbon disulfide	11.	U	12.	U	11.	U	11.	U	11.	U	12.	U
75-35-4	1,1-Dichloroethene	22.	U	24.	U	21.	U	22.	U	22.	U	24.	U
75-34-3	1,1-Dichloroethane	16.	U	18.	U	16.	U	16.	UJ	16.	U	18.	U
540-59-0	1,2-Dichloroethene (total)	48.	U	54.	U	48.	U	49.	U	48.	U	53.	U
67-66-3	Chloroform	16.	U	18.	U	16.	U	16.	U	16.	U	18.	U
107-06-2	1,2-Dichloroethane	11.	UJ	12.	UJ	11.	UJ	11.	U	11.	UJ	12.	U
78-93-3	2-Butanone (MEK)	38.	UJ	42.	UJ	37.	UJ	38.	U	38.	UJ	41.	UJ
71-55-6	1,1,1-Trichloroethane	22.	UJ	24.	UJ	21.	UJ	22.	U	22.	UJ	24.	UJ
56-23-5	Carbon tetrachloride	16.	UJ	18.	UJ	16.	UJ	16.	UJ	16.	UJ	18.	UJ
75-27-4	Bromodichloromethane	22.	U	24.	U	21.	U	22.	U	22.	U	24.	U
78-87-5	1,2-Dichloropropane	22.	U	24.	U	21.	U	22.	U	22.	U	24.	U
10061-01-5	cis-1,3-Dichloropropene	11.	UJ	12.	UJ	11.	UJ	11.	U	11.	UJ	12.	U
79-01-6	Trichloroethene	22.	U	24.	U	21.	U	22.	U	22.	U	24.	U
124-48-1	Dibromochloromethane	16.	UJ	18.	UJ	16.	UJ	16.	U	16.	UJ	18.	U
79-00-5	1,1,2-Trichloroethane	16.	U	18.	U	16.	U	16.	U	16.	U	18.	U
71-43-2	Benzene	16.	U	18.	U	16.	U	16.	U	16.	U	18.	U
10061-02-6	trans-1,3-Dichloropropene	16.	UJ	18.	UJ	16.	UJ	16.	U	16.	UJ	18.	U
75-25-2	Bromoform	16.	UJ	18.	UJ	16.	UJ	16.	U	16.	UJ	18.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	27.	U	30.	U	27.	U	27.	U	27.	U	29.	U
591-78-6	2-Hexanone	38.	U	42.	U	37.	U	38.	U	38.	U	41.	U
127-18-4	Tetrachloroethene	16.	UJ	18.	UJ	16.	UJ	16.	U	16.	UJ	18.	U
79-34-5	1,1,2,2-Tetrachloroethane	11.	U	12.	U	11.	U	11.	U	11.	U	12.	U
108-88-3	Toluene	16.	U	18.	U	16.	U	16.	U	16.	U	18.	U
108-90-7	Chlorobenzene	16.	U	18.	U	16.	U	16.	U	16.	U	18.	U
100-41-4	Ethylbenzene	16.	U	18.	U	16.	U	16.	U	16.	U	18.	U
100-42-5	Styrene	11.	U	12.	U	11.	U	11.	U	11.	U	12.	U
1330-20-7	Xylene (Total)	22.	U	24.	U	21.	U	22.	U	22.	U	24.	U
107-02-8	Acrolein	250.	U	280.	U	240.	U	250.	U	250.	U	270.	U
354-58-5	1,1,1-trichloro-2,2,2-trifluoromethane	16.	U	18.	U	16.	U	16.	U	16.	U	18.	U
75-69-4	Trichlorofluoromethane	22.	UJ	24.	UJ	21.	UJ	22.	UJ	22.	UJ	24.	UJ
76-13-1	Trichlorotrifluoroethane (Freon 113)	11.	U	12.	U	11.	U	11.	U	11.	U	12.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA													
	SAMPLE ID ------>	047-S-B011-01		047-S-B011-02		047-S-B012-01		047-S-B012-02		047-S-B013-01		047-S-B013-02	
	ORIGINAL ID ----->	047SB01101		047SB01102		047SB01201		047SB01202		047SB01301		047SB01302	
	LAB SAMPLE ID --->	703284		703285		703286		703288		703292		703293	
	ID FROM REPORT -->	047SB01101		047SB01102		047SB01201		047SB01202		047SB01301		047SB01302	
	SAMPLE DATE ----->	04/13/95		04/13/95		04/13/95		04/13/95		04/13/95		04/13/95	
	DATE ANALYZED --->	04/23/95		04/23/95		04/25/95		04/24/95		04/24/95		04/24/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0010V	VAL	0010V	VAL	0010V	VAL	0010V	VAL	0010V	VAL	0010V	VAL
74-88-4	Methyl iodide	11.	U	12.	U	11.	U	11.	U	11.	U	12.	U
107-05-1	3-Chloropropene	16.	U	18.	U	16.	U	16.	U	16.	U	18.	UJ
75-05-8	Acetonitrile	220.	U	240.	U	210.	U	220.	U	220.	U	240.	U
107-13-1	Acrylonitrile	230.	U	250.	U	220.	U	230.	U	230.	U	250.	U
108-05-4	Vinyl acetate	22.	U	24.	U	21.	U	22.	U	22.	U	24.	U
107-12-0	Propionitrile	630.	U	710.	U	630.	U	650.	U	630.	U	690.	U
126-98-7	Methacrylonitrile	22.	U	24.	U	21.	U	22.	U	22.	U	24.	U
4170-30-3	Crotonaldehyde	590.	UR	660.	UR	590.	UR	600.	UR	590.	UR	650.	UR
78-83-1	Isobutyl alcohol	14000.	UR	16000.	UR	14000.	UR	14000.	UR	14000.	UR	15000.	UR
74-95-3	Methylene bromide	22.	U	24.	U	21.	U	22.	U	22.	U	24.	U
80-62-6	Methyl methacrylate	54.	UJ	60.	UJ	53.	UJ	55.	UJ	54.	UJ	59.	UJ
123-91-1	1,4-Dioxane	55000.	UR	61000.	UR	54000.	UR	56000.	UR	55000.	UR	60000.	UR
110-75-8	2-Chloroethyl vinyl ether	16.	UR	18.	UR	16.	UR	16.	UR	16.	UR	18.	UR
97-63-2	Ethyl methacrylate	27.	U	30.	U	27.	U	27.	U	27.	U	29.	U
106-93-4	1, 2-Dibromoethane	22.	U	24.	U	21.	U	22.	U	22.	U	24.	U
630-20-6	1,1,1,2-Tetrachloroethane	22.	U	24.	U	21.	U	22.	U	22.	U	24.	U
1476-11-5	Cis-1,4-Dichloro-2-Butene	22.	U	24.	U	21.	U	22.	U	22.	U	24.	U
96-18-4	1,2,3-Trichloropropane	22.	U	24.	U	21.	U	22.	U	22.	U	24.	U
110-57-6	trans-1,4-Dichloro-2-butene	22.	U	24.	U	21.	U	22.	U	22.	U	24.	U
96-12-8	1,2-Dibromo-3-Chloropropane	54.	U	60.	U	53.	U	55.	U	54.	U	59.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA																					
	SAMPLE ID ------>	047-S-B015-01		047-S-B015-02		047-G-W001-01		047-G-W002-01		047-G-W003-01		047-G-W004-01	
	ORIGINAL ID ----->	047SB01501		047SB01502		047GW00101		047GW00201		047GW00301		047GW00401	
	LAB SAMPLE ID --->	703275		703276		731747		731760		731715		733197	
	ID FROM REPORT -->	047SB01501		047SB01502		047GW00101		047GW00201		047GW00301		047GW00401	
	SAMPLE DATE ----->	04/13/95		04/13/95		06/14/95		06/14/95		06/14/95		06/15/95	
	DATE ANALYZED --->	04/23/95		04/26/95		06/24/95		06/24/95		06/23/95		06/24/95	
	MATRIX ---------->	Soil		Soil		Water		Water		Water		Water	
	UNITS ---------->	UG/KG		UG/KG		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	0010V	VAL	0010V	VAL	0017V	VAL	0017V	VAL	0017V	VAL	0018V	VAL
74-87-3	Chloromethane	37.	U	45.	U	15.	UJ	15.	UJ	15.	UJ	15.	UJ
74-83-9	Bromomethane	21.	U	26.	U	10.	UJ	10.	UJ	10.	UJ	10.	UJ
75-01-4	Vinyl chloride	21.	U	26.	U	10.	UJ	10.	UJ	10.	UJ	10.	UJ
75-00-3	Chloroethane	21.	U	26.	U	10.	UJ	10.	UJ	10.	UJ	10.	UJ
75-09-2	Methylene chloride	21.	UJ	38.	U	10.	UJ	10.	UJ	10.	UJ	10.	UJ
67-64-1	Acetone	95.	UJ	117.	U	15.	UJ	15.	UJ	15.	UJ	15.	UJ
75-15-0	Carbon disulfide	11.	U	13.	U	10.	UJ	10.	UJ	10.	UJ	2.	J
75-35-4	1,1-Dichloroethene	21.	U	26.	U	5.	UJ	5.	UJ	5.	UJ	5.	UJ
75-34-3	1,1-Dichloroethane	16.	U	19.	U	5.	UJ	5.	UJ	5.	UJ	5.	UJ
540-59-0	1,2-Dichloroethene (total)	47.	U	58.	U	10.	UJ	10.	UJ	10.	UJ	10.	UJ
67-66-3	Chloroform	16.	U	19.	U	5.	UJ	5.	UJ	5.	UJ	5.	UJ
107-06-2	1,2-Dichloroethane	11.	UJ	13.	U	5.	UJ	5.	UJ	5.	UJ	5.	UJ
78-93-3	2-Butanone (MEK)	37.	UJ	45.	U	20.	UJ	20.	UJ	20.	UJ	20.	UJ
71-55-6	1,1,1-Trichloroethane	21.	UJ	26.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ
56-23-5	Carbon tetrachloride	16.	UJ	19.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ
75-27-4	Bromodichloromethane	21.	U	26.	U	10.	UJ	10.	UJ	10.	UJ	10.	UJ
78-87-5	1,2-Dichloropropane	21.	U	26.	U	10.	UJ	10.	UJ	10.	UJ	10.	UJ
10061-01-5	cis-1,3-Dichloropropene	11.	UJ	13.	UJ	15.	UJ	15.	UJ	15.	UJ	15.	UJ
79-01-6	Trichloroethene	21.	U	26.	U	5.	UJ	5.	UJ	5.	UJ	5.	UJ
124-48-1	Dibromochloromethane	16.	UJ	19.	U	10.	UJ	10.	UJ	10.	UJ	10.	UJ
79-00-5	1,1,2-Trichloroethane	16.	U	19.	U	5.	UJ	5.	UJ	5.	UJ	5.	UJ
71-43-2	Benzene	16.	U	19.	U	10.	UJ	10.	UJ	10.	UJ	10.	UJ
10061-02-6	trans-1,3-Dichloropropene	16.	UJ	19.	U	10.	UJ	10.	UJ	10.	UJ	10.	UJ
75-25-2	Bromoform	16.	UJ	19.	U	10.	UJ	10.	UJ	10.	UJ	10.	UJ
108-10-1	4-Methyl-2-Pentanone (MIBK)	26.	U	32.	U	10.	UJ	10.	UJ	10.	UJ	10.	UJ
591-78-6	2-Hexanone	37.	U	45.	UJ	15.	UJ	15.	UJ	15.	UJ	15.	UJ
127-18-4	Tetrachloroethene	16.	UJ	19.	U	10.	UJ	10.	UJ	10.	UJ	10.	UJ
79-34-5	1,1,2,2-Tetrachloroethane	11.	U	13.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ
108-88-3	Toluene	16.	U	19.	U	5.	UJ	5.	UJ	5.	UJ	5.	UJ
108-90-7	Chlorobenzene	16.	U	19.	U	10.	UJ	10.	UJ	10.	UJ	10.	UJ
100-41-4	Ethylbenzene	16.	U	19.	U	10.	UJ	10.	UJ	10.	UJ	10.	UJ
100-42-5	Styrene	11.	U	13.	U	5.	UJ	5.	UJ	5.	UJ	5.	UJ
1330-20-7	Xylene (Total)	21.	U	26.	U	15.	UJ	15.	UJ	15.	UJ	15.	UJ
107-02-8	Acrolein	240.	U	300.	U	90.	UJ	90.	UJ	90.	UJ	90.	UJ
354-58-5	1,1,1-trichloro-2,2,2-trifluoromethane	16.	U	19.	U	15.	UJ	15.	UJ	15.	UJ	15.	UJ
75-69-4	Trichlorofluoromethane	21.	UJ	26.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ
76-13-1	Trichlorotrifluoroethane (Freon 113)	11.	U	13.	U	25.	UJ	25.	UJ	25.	UJ	25.	UJ

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA													
	SAMPLE ID ------->	047-S-B015-01		047-S-B015-02		047-G-W001-01		047-G-W002-01		047-G-W003-01		047-G-W004-01	
	ORIGINAL ID ----->	047SB01501		047SB01502		047GW00101		047GW00201		047GW00301		047GW00401	
	LAB SAMPLE ID --->	703275		703276		731747		731760		731715		733197	
	ID FROM REPORT -->	047SB01501		047SB01502		047GW00101		047GW00201		047GW00301		047GW00401	
	SAMPLE DATE ----->	04/13/95		04/13/95		06/14/95		06/14/95		06/14/95		06/15/95	
	DATE ANALYZED --->	04/23/95		04/26/95		06/24/95		06/24/95		06/23/95		06/24/95	
	MATRIX ---------->	Soil		Soil		Water		Water		Water		Water	
	UNITS ---------->	UG/KG		UG/KG		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	0010V	VAL	0010V	VAL	0017V	VAL	0017V	VAL	0017V	VAL	0018V	VAL
74-88-4	Methyl iodide	11.	U	13.	U	5.	UJ	5.	UJ	5.	UJ	5.	UJ
107-05-1	3-Chloropropene	16.	U	19.	U	15.	UJ	15.	UJ	15.	UJ	15.	UJ
75-05-8	Acetonitrile	210.	U	260.	U	60.	UJ	60.	UJ	60.	UJ	60.	UJ
107-13-1	Acrylonitrile	220.	U	270.	U	95.	UJ	95.	UJ	95.	UJ	95.	UJ
108-05-4	Vinyl acetate	21.	U	26.	U	10.	UJ	10.	UJ	10.	UJ	10.	UJ
107-12-0	Propionitrile	620.	U	770.	U	220.	UJ	220.	UJ	220.	UJ	220.	UJ
126-98-7	Methacrylonitrile	21.	U	26.	UJ	20.	UJ	20.	UJ	20.	UJ	20.	UJ
4170-30-3	Crotonaldehyde	580.	UR	710.	UR	300.	UR	300.	UR	300.	UR	300.	UR
78-83-1	Isobutyl alcohol	14000.	UR	17000.	UR	2800.	UR	2800.	UR	2800.	UR	2800.	UR
74-95-3	Methylene bromide	21.	U	26.	U	10.	UJ	10.	UJ	10.	UJ	10.	UJ
80-62-6	Methyl methacrylate	53.	UJ	65.	UJ	20.	UJ	20.	UJ	20.	UJ	20.	UJ
123-91-1	1,4-Dioxane	54000.	UR	66000.	UR	3700.	UR	3700.	UR	3700.	UR	3700.	UR
110-75-8	2-Chloroethyl vinyl ether	16.	UR	19.	UR	10.	UR	10.	UR	10.	UR	10.	UR
97-63-2	Ethyl methacrylate	26.	U	32.	U	10.	UJ	10.	UJ	10.	UJ	10.	UJ
106-93-4	1, 2-Dibromoethane	21.	U	26.	U	10.	UJ	10.	UJ	10.	UJ	10.	UJ
630-20-6	1,1,1,2-Tetrachloroethane	21.	U	26.	U	10.	UJ	10.	UJ	10.	UJ	10.	UJ
1476-11-5	Cis-1,4-Dichloro-2-Butene	21.	U	26.	U	5.	UJ	5.	UJ	5.	UJ	5.	UJ
96-18-4	1,2,3-Trichloropropane	21.	U	26.	U	10.	UJ	10.	UJ	10.	UJ	10.	UJ
110-57-6	trans-1,4-Dichloro-2-butene	21.	U	26.	U	10.	UJ	10.	UJ	10.	UJ	10.	UJ
96-12-8	1,2-Dibromo-3-Chloropropane	53.	U	65.	U	10.	UJ	10.	UJ	10.	UJ	10.	UJ

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA	SAMPLE ID ------->	047-G-W005-01	047-H-W005-01	047-G-W006-01	047-G-W007-01	047-G-W008-01	047-G-W009-01
	ORIGINAL ID ----->	047GW00501	047HW00501	047GW00601	047GW00701	047GW00801	047GW00901
	LAB SAMPLE ID --->	731832	731849	732733	731693	732675	732688
	ID FROM REPORT -->	047GW00501	047HW00501	047GW00601	047GW00701	047GW00801	047GW00901
	SAMPLE DATE ----->	06/14/95	06/14/95	06/15/95	06/14/95	06/14/95	06/15/95
	DATE ANALYZED --->	06/24/95	06/24/95	06/24/95	06/22/95	06/24/95	06/24/95
	MATRIX ---------->	Water	Water	Water	Water	Water	Water
	UNITS ---------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	0017V	VAL	0018V	VAL	0018V	VAL	0017V	VAL	0017V	VAL	0017V	VAL
74-87-3	Chloromethane	15.	UJ	15.	UJ	15.	UJ	15.	UJ	15.	UJ	15.	UJ
74-83-9	Bromomethane	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ
75-01-4	Vinyl chloride	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ
75-00-3	Chloroethane	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ
75-09-2	Methylene chloride	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ
67-64-1	Acetone	15.	UJ	15.	UJ	15.	UJ	15.	UJ	15.	UJ	15.	UJ
75-15-0	Carbon disulfide	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ
75-35-4	1,1-Dichloroethene	5.	UJ	5.	UJ	5.	UJ	5.	UJ	5.	UJ	5.	UJ
75-34-3	1,1-Dichloroethane	5.	UJ	5.	UJ	5.	UJ	5.	UJ	5.	UJ	5.	UJ
540-59-0	1,2-Dichloroethene (total)	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ
67-66-3	Chloroform	5.	UJ	5.	UJ	5.	UJ	5.	UJ	5.	UJ	5.	UJ
107-06-2	1,2-Dichloroethane	5.	UJ	5.	UJ	5.	UJ	5.	UJ	5.	UJ	5.	UJ
78-93-3	2-Butanone (MEK)	20.	UJ	20.	UJ	20.	UJ	20.	UJ	20.	UJ	20.	UJ
71-55-6	1,1,1-Trichloroethane	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ
56-23-5	Carbon tetrachloride	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ
75-27-4	Bromodichloromethane	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ
78-87-5	1,2-Dichloropropane	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ
10061-01-5	cis-1,3-Dichloropropene	15.	UJ	15.	UJ	15.	UJ	15.	UJ	15.	UJ	15.	UJ
79-01-6	Trichloroethene	5.	UJ	5.	UJ	5.	UJ	5.	UJ	5.	UJ	5.	UJ
124-48-1	Dibromochloromethane	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ
79-00-5	1,1,2-Trichloroethane	5.	UJ	5.	UJ	5.	UJ	5.	UJ	5.	UJ	5.	UJ
71-43-2	Benzene	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ
10061-02-6	trans-1,3-Dichloropropene	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ
75-25-2	Bromoform	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ
108-10-1	4-Methyl-2-Pentanone (MIBK)	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ
591-78-6	2-Hexanone	15.	UJ	15.	UJ	15.	UJ	15.	UJ	15.	UJ	15.	UJ
127-18-4	Tetrachloroethene	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ
79-34-5	1,1,2,2-Tetrachloroethane	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ
108-88-3	Toluene	5.	UJ	5.	UJ	5.	UJ	5.	UJ	5.	UJ	5.	UJ
108-90-7	Chlorobenzene	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ
100-41-4	Ethylbenzene	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ
100-42-5	Styrene	5.	UJ	5.	UJ	5.	UJ	5.	UJ	5.	UJ	5.	UJ
1330-20-7	Xylene (Total)	15.	UJ	15.	UJ	15.	UJ	15.	UJ	15.	UJ	15.	UJ
107-02-8	Acrolein	90.	UJ	90.	UJ	90.	UJ	90.	UJ	90.	UJ	90.	UJ
354-58-5	1,1,1-trichloro-2,2,2-trifluoromethane	15.	UJ	15.	UJ	15.	UJ	15.	UJ	15.	UJ	15.	UJ
75-69-4	Trichlorofluoromethane	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ
76-13-1	Trichlorotrifluoroethane (Freon 113)	25.	UJ	25.	UJ	25.	UJ	25.	UJ	25.	UJ	25.	UJ

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA													
	SAMPLE ID ------->	047-G-W005-01		047-H-W005-01		047-G-W006-01		047-G-W007-01		047-G-W008-01		047-G-W009-01	
	ORIGINAL ID ----->	047GW00501		047HW00501		047GW00601		047GW00701		047GW00801		047GW00901	
	LAB SAMPLE ID --->	731832		731849		732733		731693		732675		732688	
	ID FROM REPORT -->	047GW00501		047HW00501		047GW00601		047GW00701		047GW00801		047GW00901	
	SAMPLE DATE ----->	06/14/95		06/14/95		06/15/95		06/14/95		06/14/95		06/15/95	
	DATE ANALYZED --->	06/24/95		06/24/95		06/24/95		06/22/95		06/24/95		06/24/95	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ----------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	0017V	VAL	0018V	VAL	0018V	VAL	0017V	VAL	0017V	VAL	0017V	VAL
74-88-4	Methyl iodide	5.	UJ	5.	UJ	5.	UJ	5.	UJ	5.	UJ	5.	UJ
107-05-1	3-Chloropropene	15.	UJ	15.	UJ	15.	UJ	15.	UJ	15.	UJ	15.	UJ
75-05-8	Acetonitrile	60.	UJ	60.	UJ	60.	UJ	60.	UJ	60.	UJ	60.	UJ
107-13-1	Acrylonitrile	95.	UJ	95.	UJ	95.	UJ	95.	UJ	95.	UJ	95.	UJ
108-05-4	Vinyl acetate	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ
107-12-0	Propionitrile	220.	UJ	220.	UJ	220.	UJ	220.	UJ	220.	UJ	220.	UJ
126-98-7	Methacrylonitrile	20.	UJ	20.	UJ	20.	UJ	20.	UJ	20.	UJ	20.	UJ
4170-30-3	Crotonaldehyde	300.	UR	300.	UR	300.	UR	300.	UR	300.	UR	300.	UR
78-83-1	Isobutyl alcohol	2800.	UR	2800.	UR	2800.	UR	2800.	UR	2800.	UR	2800.	UR
74-95-3	Methylene bromide	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ
80-62-6	Methyl methacrylate	20.	UJ	20.	UJ	20.	UJ	20.	UJ	20.	UJ	20.	UJ
123-91-1	1,4-Dioxane	3700.	UR	3700.	UR	3700.	UR	3700.	UR	3700.	UR	3700.	UR
110-75-8	2-Chloroethyl vinyl ether	10.	UR	10.	UR	10.	UR	10.	UR	10.	UR	10.	UR
97-63-2	Ethyl methacrylate	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ
106-93-4	1, 2-Dibromoethane	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ
630-20-6	1,1,1,2-Tetrachloroethane	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ
1476-11-5	Cis-1,4-Dichloro-2-Butene	5.	UJ	5.	UJ	5.	UJ	5.	UJ	5.	UJ	5.	UJ
96-18-4	1,2,3-Trichloropropane	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ
110-57-6	trans-1,4-Dichloro-2-butene	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ
96-12-8	1,2-Dibromo-3-Chloropropane	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA	SAMPLE ID ------->	047-G-W010-01	047-G-W011-01	047-G-W012-01	047-G-W013-01	047-G-W015-01	508-S-B001-01
	ORIGINAL ID ----->	047GW01001	047GW01101	047GW01201	047GW01301	047GW01501	508SB00101
	LAB SAMPLE ID --->	731675	732702	732663	731740	732644	692023
	ID FROM REPORT -->	047GW01001	047GW01101	047GW01201	047GW01301	047GW01501	508SB00101
	SAMPLE DATE ----->	06/14/95	06/15/95	06/15/95	06/14/95	06/15/95	03/21/95
	DATE ANALYZED --->	06/22/95	06/24/95	06/24/95	06/24/95	06/24/95	03/30/95
	MATRIX ---------->	Water	Water	Water	Water	Water	Soil
	UNITS ---------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/KG

CAS #	Parameter	0017V	VAL	0018V	VAL	0017V	VAL	0017V	VAL	0017V	VAL	0002V	VAL
74-87-3	Chloromethane	15.	UJ	15.	UJ	15.	UJ	15.	UJ	15.	UJ	38.	U
74-83-9	Bromomethane	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ	22.	UJ
75-01-4	Vinyl chloride	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ	22.	U
75-00-3	Chloroethane	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ	22.	UJ
75-09-2	Methylene chloride	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ	22.	U
67-64-1	Acetone	15.	UJ	15.	UJ	15.	UJ	15.	UJ	15.	UJ	22.	UJ
75-15-0	Carbon disulfide	7.	J	10.	UJ	10.	UJ	10.	UJ	10.	UJ	11.	U
75-35-4	1,1-Dichloroethene	5.	UJ	5.	UJ	5.	UJ	5.	UJ	5.	UJ	22.	U
75-34-3	1,1-Dichloroethane	5.	UJ	5.	UJ	5.	UJ	5.	UJ	5.	UJ	16.	U
540-59-0	1,2-Dichloroethene (total)	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ	49.	U
67-66-3	Chloroform	5.	UJ	5.	UJ	5.	UJ	5.	UJ	5.	UJ	16.	U
107-06-2	1,2-Dichloroethane	5.	UJ	5.	UJ	5.	UJ	5.	UJ	5.	UJ	11.	U
78-93-3	2-Butanone (MEK)	20.	UJ	20.	UJ	20.	UJ	20.	UJ	20.	UJ	38.	UJ
71-55-6	1,1,1-Trichloroethane	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ	22.	UJ
56-23-5	Carbon tetrachloride	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ	16.	UJ
75-27-4	Bromodichloromethane	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ	22.	U
78-87-5	1,2-Dichloropropane	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ	22.	U
10061-01-5	cis-1,3-Dichloropropene	15.	UJ	15.	UJ	15.	UJ	15.	UJ	15.	UJ	11.	U
79-01-6	Trichloroethene	5.	UJ	5.	UJ	5.	UJ	5.	UJ	5.	UJ	22.	U
124-48-1	Dibromochloromethane	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ	16.	UJ
79-00-5	1,1,2-Trichloroethane	5.	UJ	5.	UJ	5.	UJ	5.	UJ	5.	UJ	16.	U
71-43-2	Benzene	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ	16.	U
10061-02-6	trans-1,3-Dichloropropene	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ	16.	UJ
75-25-2	Bromoform	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ	16.	UJ
108-10-1	4-Methyl-2-Pentanone (MIBK)	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ	27.	U
591-78-6	2-Hexanone	15.	UJ	15.	UJ	15.	UJ	15.	UJ	15.	UJ	38.	UJ
127-18-4	Tetrachloroethene	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ	16.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ	11.	U
108-88-3	Toluene	5.	UJ	5.	UJ	5.	UJ	5.	UJ	5.	UJ	16.	U
108-90-7	Chlorobenzene	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ	16.	U
100-41-4	Ethylbenzene	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ	16.	U
100-42-5	Styrene	5.	UJ	5.	UJ	5.	UJ	5.	UJ	5.	UJ	11.	U
1330-20-7	Xylene (Total)	15.	UJ	15.	UJ	15.	UJ	15.	UJ	15.	UJ	22.	U
107-02-8	Acrolein	90.	UJ	90.	UJ	90.	UJ	90.	UJ	90.	UJ	250.	U
354-58-5	1,1,1-trichloro-2,2,2-trifluoromethane	15.	UJ	15.	UJ	15.	UJ	15.	UJ	15.	UJ	16.	U
75-69-4	Trichlorofluoromethane	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ	22.	U
76-13-1	Trichlorotrifluoroethane (Freon 113)	25.	UJ	25.	UJ	25.	UJ	25.	UJ	25.	UJ	11.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA													
	SAMPLE ID ------->	047-G-W010-01		047-G-W011-01		047-G-W012-01		047-G-W013-01		047-G-W015-01		508-S-B001-01	
	ORIGINAL ID ----->	047GW01001		047GW01101		047GW01201		047GW01301		047GW01501		508SB00101	
	LAB SAMPLE ID --->	731675		732702		732663		731740		732644		692023	
	ID FROM REPORT -->	047GW01001		047GW01101		047GW01201		047GW01301		047GW01501		508SB00101	
	SAMPLE DATE ----->	06/14/95		06/15/95		06/15/95		06/14/95		06/15/95		03/21/95	
	DATE ANALYZED --->	06/22/95		06/24/95		06/24/95		06/24/95		06/24/95		03/30/95	
	MATRIX ---------->	Water		Water		Water		Water		Water		Soil	
	UNITS ----------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/KG	
CAS #	Parameter	0017V	VAL	0018V	VAL	0017V	VAL	0017V	VAL	0017V	VAL	0002V	VAL
74-88-4	Methyl iodide	5.	UJ	5.	UJ	5.	UJ	5.	UJ	5.	UJ	11.	U
107-05-1	3-Chloropropene	15.	UJ	15.	UJ	15.	UJ	15.	UJ	15.	UJ	16.	U
75-05-8	Acetonitrile	60.	UJ	60.	UJ	60.	UJ	60.	UJ	60.	UJ	220.	U
107-13-1	Acrylonitrile	95.	UJ	95.	UJ	95.	UJ	95.	UJ	95.	UJ	230.	U
108-05-4	Vinyl acetate	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ	22.	UJ
107-12-0	Propionitrile	220.	UJ	220.	UJ	220.	UJ	220.	UJ	220.	UJ	650.	UR
126-98-7	Methacrylonitrile	20.	UJ	20.	UJ	20.	UJ	20.	UJ	20.	UJ	22.	U
4170-30-3	Crotonaldehyde	300.	UR	300.	UR	300.	UR	300.	UR	300.	UR	600.	UR
78-83-1	Isobutyl alcohol	2800.	UR	2800.	UR	2800.	UR	2800.	UR	2800.	UR	14000.	UR
74-95-3	Methylene bromide	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ	22.	U
80-62-6	Methyl methacrylate	20.	UJ	20.	UJ	20.	UJ	20.	UJ	20.	UJ	55.	U
123-91-1	1,4-Dioxane	3700.	UR	3700.	UR	3700.	UR	3700.	UR	3700.	UR	56000.	UR
110-75-8	2-Chloroethyl vinyl ether	10.	UR	10.	UR	10.	UR	10.	UR	10.	UR	16.	U
97-63-2	Ethyl methacrylate	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ	27.	UJ
106-93-4	1, 2-Dibromoethane	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ	22.	U
630-20-6	1,1,1,2-Tetrachloroethane	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ	22.	U
1476-11-5	Cis-1,4-Dichloro-2-Butene	5.	UJ	5.	UJ	5.	UJ	5.	UJ	5.	UJ	22.	UJ
96-18-4	1,2,3-Trichloropropane	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ	22.	U
110-57-6	trans-1,4-Dichloro-2-butene	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ	22.	UJ
96-12-8	1,2-Dibromo-3-Chloropropane	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ	55.	UJ

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA	SAMPLE ID ------->	508-S-B002-01	508-S-B003-01	508-S-B004-01	508-S-B004-02	508-S-B005-01	508-S-B006-01
	ORIGINAL ID ----->	508SB00201	508SB00301	508SB00401	508SB00402	508SB00501	508SB00601
	LAB SAMPLE ID --->	692036	692029	692099	692060	692016	692042
	ID FROM REPORT -->	508SB00201	508SB00301	508SB00401	508SB00402	508SB00501	508SB00601
	SAMPLE DATE ----->	03/21/95	03/21/95	03/21/95	03/21/95	03/21/95	03/21/95
	DATE ANALYZED --->	03/25/95	03/25/95	03/25/95	03/25/95	03/25/95	03/25/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0002V	VAL	0002V	VAL	0002V	VAL	0002V	VAL	0002V	VAL	0002V	VAL
74-87-3	Chloromethane	38.	U	41.	U	38.	U	37.	U	37.	U	43.	U
74-83-9	Bromomethane	22.	U	23.	U	22.	U	21.	U	21.	U	24.	U
75-01-4	Vinyl chloride	22.	U	23.	U	22.	U	21.	U	21.	U	24.	U
75-00-3	Chloroethane	22.	U	23.	U	22.	U	21.	U	21.	U	24.	U
75-09-2	Methylene chloride	22.	UJ	23.	U	22.	UJ	21.	U	21.	UJ	24.	UJ
67-64-1	Acetone	99.	UJ	39.	J	97.	UJ	95.	UJ	95.	UJ	110.	UJ
75-15-0	Carbon disulfide	11.	U	12.	U	11.	U	11.	U	11.	U	12.	U
75-35-4	1,1-Dichloroethene	22.	U	23.	U	22.	U	21.	U	21.	U	24.	U
75-34-3	1,1-Dichloroethane	16.	U	17.	U	16.	U	16.	U	16.	U	18.	U
540-59-0	1,2-Dichloroethene (total)	49.	U	52.	U	48.	U	47.	U	47.	U	55.	U
67-66-3	Chloroform	16.	U	17.	U	16.	U	16.	U	16.	U	18.	U
107-06-2	1,2-Dichloroethane	11.	U	12.	U	11.	U	11.	U	11.	U	12.	U
78-93-3	2-Butanone (MEK)	38.	U	41.	U	38.	U	37.	U	37.	U	43.	U
71-55-6	1,1,1-Trichloroethane	22.	U	23.	U	22.	U	21.	U	21.	U	24.	U
56-23-5	Carbon tetrachloride	16.	U	17.	U	16.	U	16.	U	16.	U	18.	U
75-27-4	Bromodichloromethane	22.	U	23.	U	22.	U	21.	U	21.	U	24.	U
78-87-5	1,2-Dichloropropane	22.	U	23.	U	22.	U	21.	U	21.	U	24.	U
10061-01-5	cis-1,3-Dichloropropene	11.	U	12.	U	11.	U	11.	U	11.	U	12.	U
79-01-6	Trichloroethene	22.	U	23.	U	22.	U	21.	U	21.	U	24.	U
124-48-1	Dibromochloromethane	16.	U	17.	U	16.	U	16.	U	16.	U	18.	U
79-00-5	1,1,2-Trichloroethane	16.	U	17.	U	16.	U	16.	U	16.	U	18.	U
71-43-2	Benzene	16.	U	17.	U	16.	U	16.	U	16.	U	18.	U
10061-02-6	trans-1,3-Dichloropropene	16.	U	17.	U	16.	U	16.	U	16.	U	18.	U
75-25-2	Bromoform	16.	U	17.	U	16.	U	16.	U	16.	U	18.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	27.	U	29.	U	27.	U	26.	U	26.	U	30.	U
591-78-6	2-Hexanone	38.	U	41.	U	38.	U	37.	U	37.	U	43.	U
127-18-4	Tetrachloroethene	16.	U	17.	U	16.	U	16.	U	16.	U	18.	U
79-34-5	1,1,2,2-Tetrachloroethane	11.	U	12.	U	11.	U	11.	U	11.	U	12.	U
108-88-3	Toluene	8.	J	17.	U	1.	J	16.	U	16.	U	3.	J
108-90-7	Chlorobenzene	16.	U	17.	U	16.	U	16.	U	16.	U	18.	U
100-41-4	Ethylbenzene	16.	U	17.	U	16.	U	16.	U	16.	U	18.	U
100-42-5	Styrene	11.	U	12.	U	11.	U	11.	U	11.	U	12.	U
1330-20-7	Xylene (Total)	22.	U	23.	U	22.	U	21.	U	21.	U	24.	U
107-02-8	Acrolein	250.	U	270.	U	250.	U	240.	U	240.	U	280.	U
354-58-5	1,1,1-trichloro-2,2,2-trifluoromethane	16.	U	17.	U	16.	U	16.	U	16.	U	18.	U
75-69-4	Trichlorofluoromethane	22.	U	23.	U	22.	U	21.	U	21.	U	24.	U
76-13-1	Trichlorotrifluoroethane (Freon 113)	11.	U	12.	U	11.	U	11.	U	11.	U	12.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA												
	SAMPLE ID ------>	508-S-B002-01		508-S-B003-01		508-S-B004-01		508-S-B004-02		508-S-B005-01		508-S-B006-01	
	ORIGINAL ID ----->	508SB00201		508SB00301		508SB00401		508SB00402		508SB00501		508SB00601	
	LAB SAMPLE ID --->	692036		692029		692099		692060		692016		692042	
	ID FROM REPORT -->	508SB00201		508SB00301		508SB00401		508SB00402		508SB00501		508SB00601	
	SAMPLE DATE ----->	03/21/95		03/21/95		03/21/95		03/21/95		03/21/95		03/21/95	
	DATE ANALYZED --->	03/25/95		03/25/95		03/25/95		03/25/95		03/25/95		03/25/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0002V	VAL	0002V	VAL	0002V	VAL	0002V	VAL	0002V	VAL	0002V	VAL
74-88-4	Methyl iodide	11.	U	12.	U	11.	U	11.	U	11.	U	12.	U
107-05-1	3-Chloropropene	16.	U	17.	U	16.	U	16.	U	16.	U	18.	U
75-05-8	Acetonitrile	220.	U	230.	U	220.	U	210.	U	210.	U	240.	U
107-13-1	Acrylonitrile	230.	U	240.	U	230.	U	220.	U	220.	U	260.	U
108-05-4	Vinyl acetate	22.	U	23.	U	22.	U	21.	U	21.	U	24.	U
107-12-0	Propionitrile	650.	UR	690.	UR	630.	UR	620.	UR	620.	UR	720.	UR
126-98-7	Methacrylonitrile	22.	U	23.	U	22.	U	21.	U	21.	U	24.	U
4170-30-3	Crotonaldehyde	600.	UR	640.	UR	590.	UR	580.	UR	580.	UR	670.	UR
78-83-1	Isobutyl alcohol	14000.	UR	15000.	UR	14000.	UR	14000.	UR	14000.	UR	16000.	UR
74-95-3	Methylene bromide	22.	U	23.	U	22.	U	21.	U	21.	U	24.	U
80-62-6	Methyl methacrylate	55.	U	58.	U	54.	U	53.	U	53.	U	61.	U
123-91-1	1,4-Dioxane	56000.	UR	59000.	UR	55000.	UR	54000.	UR	54000.	UR	62000.	UR
110-75-8	2-Chloroethyl vinyl ether	16.	U	17.	U	16.	U	16.	U	16.	U	18.	U
97-63-2	Ethyl methacrylate	27.	U	29.	U	27.	U	26.	U	26.	U	30.	U
106-93-4	1, 2-Dibromoethane	22.	U	23.	U	22.	U	21.	U	21.	U	24.	U
630-20-6	1,1,1,2-Tetrachloroethane	22.	U	23.	U	22.	U	21.	U	21.	U	24.	U
1476-11-5	Cis-1,4-Dichloro-2-Butene	22.	U	23.	U	22.	U	21.	U	21.	U	24.	U
96-18-4	1,2,3-Trichloropropane	22.	U	23.	U	22.	U	21.	U	21.	U	24.	U
110-57-6	trans-1,4-Dichloro-2-butene	22.	U	23.	U	22.	U	21.	U	21.	U	24.	U
96-12-8	1,2-Dibromo-3-Chloropropane	55.	U	58.	U	54.	U	53.	U	53.	U	61.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA													
	SAMPLE ID ------>	508-C-B006-01		510-S-B001-01		510-S-B001-02		510-S-B002-01		510-S-B002-02		510-S-B003-01	
	ORIGINAL ID ----->	508CB00601		510SB00101		510SB00102		510SB00201		510SB00202		510SB00301	
	LAB SAMPLE ID --->	692248		690161		690166		690199		690156		704431	
	ID FROM REPORT -->	508CB00601		510SB00101		510SB00102		510SB00201		510SB00202		510SB00301	
	SAMPLE DATE ----->	03/21/95		03/14/95		03/14/95		03/14/95		03/14/95		04/18/95	
	DATE ANALYZED --->	03/26/95		03/19/95		03/20/95		03/20/95		03/19/95		04/28/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0003V	VAL	0001V	VAL	0001V	VAL	0001V	VAL	0001V	VAL	0015V	VAL
74-87-3	Chloromethane	43.	U	38.	U	37.	U	38.	U	37.	U	38.	U
74-83-9	Bromomethane	25.	U	22.	U	21.	U	22.	U	21.	U	22.	U
75-01-4	Vinyl chloride	25.	U	22.	U	21.	U	22.	U	21.	U	22.	U
75-00-3	Chloroethane	25.	U	22.	U	21.	U	22.	U	21.	U	22.	U
75-09-2	Methylene chloride	25.	UJ	22.	UJ	27.	UJ	22.	UJ	21.	UJ	41.	UJ
67-64-1	Acetone	110.	U	97.	U	96.	U	98.	U	21.	UJ	22.	UJ
75-15-0	Carbon disulfide	12.	U	11.	U	11.	U	11.	U	11.	U	11.	U
75-35-4	1,1-Dichloroethene	25.	U	22.	U	21.	U	22.	U	21.	U	22.	U
75-34-3	1,1-Dichloroethane	19.	U	16.	U	16.	U	16.	U	16.	U	16.	U
540-59-0	1,2-Dichloroethene (total)	56.	U	48.	U	48.	U	49.	U	48.	U	49.	U
67-66-3	Chloroform	19.	U	16.	U	16.	U	16.	U	16.	U	2.	J
107-06-2	1,2-Dichloroethane	12.	U	11.	U	11.	U	11.	U	11.	U	11.	U
78-93-3	2-Butanone (MEK)	43.	U	38.	U	37.	U	38.	U	37.	U	38.	UJ
71-55-6	1,1,1-Trichloroethane	25.	U	22.	U	21.	U	22.	U	21.	U	22.	UJ
56-23-5	Carbon tetrachloride	19.	U	16.	U	16.	U	16.	U	16.	U	16.	UJ
75-27-4	Bromodichloromethane	25.	U	22.	U	21.	U	22.	U	21.	U	22.	U
78-87-5	1,2-Dichloropropane	25.	U	22.	U	21.	U	22.	U	21.	U	22.	U
10061-01-5	cis-1,3-Dichloropropene	12.	U	11.	U	11.	U	11.	U	11.	U	11.	U
79-01-6	Trichloroethene	25.	U	22.	U	21.	U	22.	U	21.	U	22.	U
124-48-1	Dibromochloromethane	19.	U	16.	UJ	16.	UJ	16.	UJ	16.	UJ	16.	U
79-00-5	1,1,2-Trichloroethane	19.	U	16.	U	16.	U	16.	U	16.	U	16.	U
71-43-2	Benzene	19.	U	16.	U	16.	U	16.	U	16.	U	16.	U
10061-02-6	trans-1,3-Dichloropropene	19.	U	16.	U	16.	U	16.	U	16.	U	16.	U
75-25-2	Bromoform	19.	U	16.	U	16.	U	16.	U	16.	U	16.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	31.	U	27.	U	27.	U	27.	U	27.	U	27.	UJ
591-78-6	2-Hexanone	43.	U	38.	U	37.	U	38.	U	37.	U	38.	UJ
127-18-4	Tetrachloroethene	19.	U	16.	U	16.	U	16.	U	16.	U	16.	U
79-34-5	1,1,2,2-Tetrachloroethane	12.	U	11.	U	11.	U	11.	U	11.	U	11.	UJ
108-88-3	Toluene	19.	U	7.	J	16.	U	3.	J	16.	U	16.	U
108-90-7	Chlorobenzene	19.	U	16.	U	16.	U	16.	U	16.	U	16.	U
100-41-4	Ethylbenzene	19.	U	16.	U	16.	U	16.	U	16.	U	16.	U
100-42-5	Styrene	12.	U	11.	U	11.	U	11.	U	11.	U	11.	U
1330-20-7	Xylene (Total)	25.	U	22.	U	21.	U	22.	U	21.	U	22.	U
107-02-8	Acrolein	280.	U	250.	U	240.	U	250.	U	240.	U	250.	UJ
354-58-5	1,1,1-trichloro-2,2,2-trifluoromethane	19.	U	16.	U	16.	U	16.	U	16.	U	16.	U
75-69-4	Trichlorofluoromethane	25.	U	22.	U	21.	U	22.	U	21.	U	22.	J
76-13-1	Trichlorotrifluoroethane (Freon 113)	12.	U	11.	U	11.	U	11.	U	11.	U	11.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA	SAMPLE ID -------->	508-C-B006-01		510-S-B001-01		510-S-B001-02		510-S-B002-01		510-S-B002-02		510-S-B003-01	
	ORIGINAL ID ----->	508CB00601		510SB00101		510SB00102		510SB00201		510SB00202		510SB00301	
	LAB SAMPLE ID --->	692248		690161		690166		690199		690156		704431	
	ID FROM REPORT -->	508CB00601		510SB00101		510SB00102		510SB00201		510SB00202		510SB00301	
	SAMPLE DATE ----->	03/21/95		03/14/95		03/14/95		03/14/95		03/14/95		04/18/95	
	DATE ANALYZED --->	03/26/95		03/19/95		03/20/95		03/20/95		03/19/95		04/28/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0003V	VAL	0001V	VAL	0001V	VAL	0001V	VAL	0001V	VAL	0015V	VAL
74-88-4	Methyl iodide	12.	U	11.	U	11.	U	11.	U	11.	U	11.	U
107-05-1	3-Chloropropene	19.	U	16.	U	16.	U	16.	U	16.	U	16.	UJ
75-05-8	Acetonitrile	250.	U	220.	U	210.	U	220.	U	210.	U	220.	U
107-13-1	Acrylonitrile	260.	U	230.	U	220.	U	230.	U	220.	U	230.	UJ
108-05-4	Vinyl acetate	25.	U	22.	U	21.	U	22.	U	21.	U	22.	U
107-12-0	Propionitrile	730.	U	630.	U	630.	U	640.	U	630.	U	640.	U
126-98-7	Methacrylonitrile	25.	U	22.	U	21.	U	22.	U	21.	U	22.	UJ
4170-30-3	Crotonaldehyde	680.	UR	590.	UR	590.	UR	600.	UR	590.	UR	600.	UR
78-83-1	Isobutyl alcohol	16000.	UR	14000.	UR	14000.	UR	14000.	UR	14000.	UR	14000.	UR
74-95-3	Methylene bromide	25.	U	22.	U	21.	U	22.	U	21.	U	22.	U
80-62-6	Methyl methacrylate	62.	U	54.	U	53.	U	54.	U	53.	U	54.	UJ
123-91-1	1,4-Dioxane	63000.	UR	55000.	UR	54000.	UR	55000.	UR	54000.	UR	55000.	UR
110-75-8	2-Chloroethyl vinyl ether	19.	U	16.	U	16.	U	16.	U	16.	U	16.	UR
97-63-2	Ethyl methacrylate	31.	U	27.	U	27.	U	27.	U	27.	U	27.	UJ
106-93-4	1, 2-Dibromoethane	25.	U	22.	U	21.	U	22.	U	21.	U	22.	U
630-20-6	1,1,1,2-Tetrachloroethane	25.	U	22.	U	21.	U	22.	U	21.	U	22.	UJ
1476-11-5	Cis-1,4-Dichloro-2-Butene	25.	U	22.	U	21.	U	22.	U	21.	U	22.	U
96-18-4	1,2,3-Trichloropropane	25.	U	22.	UJ	21.	UJ	22.	UJ	21.	UJ	22.	U
110-57-6	trans-1,4-Dichloro-2-butene	25.	U	22.	U	21.	U	22.	U	21.	U	22.	UJ
96-12-8	1,2-Dibromo-3-Chloropropane	62.	U	54.	UJ	53.	UJ	54.	UJ	53.	UJ	54.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA						
SAMPLE ID ------->	510-S-B003-02	510-S-B004-01	510-S-B004-02	510-S-B005-01	510-S-B005-02	510-C-B005-02
ORIGINAL ID ----->	510SB00302	510SB00401	510SB00402	510SB00501	510SB00502	510CB00502
LAB SAMPLE ID --->	704460	704411	704419	690145	690151	690180
ID FROM REPORT -->	510SB00302	510SB00401	510SB00402	510SB00501	510SB00502	510CB00502
SAMPLE DATE ----->	04/18/95	04/18/95	04/18/95	03/14/95	03/14/95	03/14/95
DATE ANALYZED --->	04/26/95	04/26/95	04/26/95	03/19/95	03/19/95	03/20/95
MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0015V	VAL	0015V	VAL	0015V	VAL	0001V	VAL	0001V	VAL	0001V	VAL
74-87-3	Chloromethane	36.	U	38.	U	37.	U	38.	U	37.	U	37.	U
74-83-9	Bromomethane	21.	U	22.	U	21.	U	22.	U	21.	U	21.	U
75-01-4	Vinyl chloride	21.	U	22.	U	21.	U	22.	U	21.	U	21.	U
75-00-3	Chloroethane	21.	U	22.	U	21.	U	22.	U	21.	U	21.	U
75-09-2	Methylene chloride	21.	U	33.	U	40.	U	22.	UJ	21.	UJ	21.	UJ
67-64-1	Acetone	21.	U	40.	U	55.	U	98.	U	96.	U	96.	U
75-15-0	Carbon disulfide	10.	U	11.	U	11.	U	11.	U	11.	U	11.	U
75-35-4	1,1-Dichloroethene	21.	U	22.	U	21.	U	22.	U	21.	U	21.	U
75-34-3	1,1-Dichloroethane	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
540-59-0	1,2-Dichloroethene (total)	47.	U	48.	U	48.	U	49.	U	48.	U	48.	U
67-66-3	Chloroform	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
107-06-2	1,2-Dichloroethane	10.	U	11.	U	11.	U	11.	U	11.	U	11.	U
78-93-3	2-Butanone (MEK)	36.	UJ	38.	UJ	37.	UJ	38.	U	37.	U	37.	U
71-55-6	1,1,1-Trichloroethane	21.	UJ	22.	UJ	21.	UJ	22.	U	21.	U	21.	U
56-23-5	Carbon tetrachloride	16.	UJ	16.	UJ	16.	UJ	16.	U	16.	U	16.	U
75-27-4	Bromodichloromethane	21.	U	22.	U	21.	U	22.	U	21.	U	21.	U
78-87-5	1,2-Dichloropropane	21.	U	22.	U	21.	U	22.	U	21.	U	21.	U
10061-01-5	cis-1,3-Dichloropropene	10.	UJ	11.	UJ	11.	UJ	11.	U	11.	U	11.	U
79-01-6	Trichloroethene	21.	U	22.	U	21.	U	22.	U	21.	U	21.	U
124-48-1	Dibromochloromethane	16.	U	16.	U	16.	U	16.	UJ	16.	UJ	16.	UJ
79-00-5	1,1,2-Trichloroethane	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
71-43-2	Benzene	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
10061-02-6	trans-1,3-Dichloropropene	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
75-25-2	Bromoform	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	26.	U	27.	U	27.	U	27.	U	27.	U	27.	U
591-78-6	2-Hexanone	36.	UJ	38.	UJ	37.	UJ	38.	U	37.	U	37.	U
127-18-4	Tetrachloroethene	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	UJ	11.	UJ	11.	UJ	11.	U	11.	U	11.	U
108-88-3	Toluene	16.	U	16.	U	16.	U	4.	J	16.	U	16.	U
108-90-7	Chlorobenzene	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
100-41-4	Ethylbenzene	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
100-42-5	Styrene	10.	U	11.	U	11.	U	11.	U	11.	U	11.	U
1330-20-7	Xylene (Total)	21.	U	22.	U	21.	U	22.	U	21.	U	21.	U
107-02-8	Acrolein	240.	U	250.	U	240.	U	250.	U	240.	U	240.	U
354-58-5	1,1,1-trichloro-2,2,2-trifluoromethane	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
75-69-4	Trichlorofluoromethane	21.	UJ	22.	UJ	21.	UJ	22.	U	21.	U	21.	U
76-13-1	Trichlorotrifluoroethane (Freon 113)	10.	U	11.	U	11.	U	11.	U	11.	U	11.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA													
	SAMPLE ID ------>	510-S-B003-02		510-S-B004-01		510-S-B004-02		510-S-B005-01		510-S-B005-02		510-C-B005-02	
	ORIGINAL ID ----->	510SB00302		510SB00401		510SB00402		510SB00501		510SB00502		510CB00502	
	LAB SAMPLE ID --->	704460		704411		704419		690145		690151		690180	
	ID FROM REPORT -->	510SB00302		510SB00401		510SB00402		510SB00501		510SB00502		510CB00502	
	SAMPLE DATE ----->	04/18/95		04/18/95		04/18/95		03/14/95		03/14/95		03/14/95	
	DATE ANALYZED --->	04/26/95		04/26/95		04/26/95		03/19/95		03/19/95		03/20/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0015V	VAL	0015V	VAL	0015V	VAL	0001V	VAL	0001V	VAL	0001V	VAL
74-88-4	Methyl iodide	10.	U	11.	U	11.	U	11.	U	11.	U	11.	U
107-05-1	3-Chloropropene	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
75-05-8	Acetonitrile	210.	U	220.	U	210.	U	220.	U	210.	U	210.	U
107-13-1	Acrylonitrile	220.	U	230.	U	220.	U	230.	U	220.	U	220.	U
108-05-4	Vinyl acetate	21.	U	22.	U	21.	U	22.	U	21.	U	21.	U
107-12-0	Propionitrile	610.	U	630.	U	630.	U	640.	U	630.	U	630.	U
126-98-7	Methacrylonitrile	21.	UJ	22.	UJ	21.	UJ	22.	U	21.	U	21.	U
4170-30-3	Crotonaldehyde	570.	UR	590.	UR	590.	UR	600.	UR	590.	UR	590.	UR
78-83-1	Isobutyl alcohol	14000.	UR	14000.	UR	14000.	UR	14000.	UR	14000.	UR	14000.	UR
74-95-3	Methylene bromide	21.	U	22.	U	21.	U	22.	U	21.	U	21.	U
80-62-6	Methyl methacrylate	52.	UJ	54.	UJ	53.	UJ	54.	U	53.	U	53.	U
123-91-1	1,4-Dioxane	53000.	UR	55000.	UR	54000.	UR	55000.	UR	54000.	UR	54000.	UR
110-75-8	2-Chloroethyl vinyl ether	16.	UR	16.	UR	16.	UR	16.	U	16.	U	16.	U
97-63-2	Ethyl methacrylate	26.	U	27.	U	27.	U	27.	U	27.	U	27.	U
106-93-4	1, 2-Dibromoethane	21.	U	22.	U	21.	U	22.	U	21.	U	21.	U
630-20-6	1,1,1,2-Tetrachloroethane	21.	U	22.	U	21.	U	22.	U	21.	U	21.	U
1476-11-5	Cis-1,4-Dichloro-2-Butene	21.	U	22.	U	21.	U	22.	U	21.	U	21.	U
96-18-4	1,2,3-Trichloropropane	21.	U	22.	U	21.	U	22.	UJ	21.	UJ	21.	UJ
110-57-6	trans-1,4-Dichloro-2-butene	21.	U	22.	U	21.	U	22.	U	21.	U	21.	U
96-12-8	1,2-Dibromo-3-Chloropropane	52.	U	54.	U	53.	U	54.	UJ	53.	UJ	53.	UJ

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA	SAMPLE ID ------->	510-G-W001-01	510-G-W002-01	511-S-B001-01	511-S-B001-02	511-S-B002-01	511-S-B002-02
	ORIGINAL ID ----->	510GW00101	510GW00201	511SB00101	511SB00102	511SB00201	511SB00202
	LAB SAMPLE ID --->	730796	730794	692147	692168	692202	692158
	ID FROM REPORT -->	510GW00101	510GW00201	511SB00101	511SB00102	511SB00201	511SB00202
	SAMPLE DATE ----->	06/12/95	06/12/95	03/21/95	03/21/95	03/21/95	03/21/95
	DATE ANALYZED --->	06/22/95	06/16/95	03/25/95	03/25/95	03/25/95	03/25/95
	MATRIX ---------->	Water	Water	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/L	UG/L	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0017V	VAL	0017V	VAL	0002V	VAL	0002V	VAL	0002V	VAL	0002V	VAL
74-87-3	Chloromethane	15.	UJ	15.	U	38.	U	38.	U	37.	U	37.	U
74-83-9	Bromomethane	10.	UJ	10.	U	22.	U	22.	U	21.	U	21.	U
75-01-4	Vinyl chloride	10.	UJ	10.	U	22.	U	22.	U	21.	U	21.	U
75-00-3	Chloroethane	10.	UJ	10.	U	22.	U	22.	U	21.	U	21.	U
75-09-2	Methylene chloride	10.	UJ	10.	U	22.	U	22.	U	21.	U	21.	U
67-64-1	Acetone	18.	J	15.	UJ	98.	UJ	97.	UJ	95.	UJ	96.	UJ
75-15-0	Carbon disulfide	10.	UJ	10.	U	11.	U	11.	U	11.	U	11.	U
75-35-4	1,1-Dichloroethene	5.	UJ	5.	U	22.	U	22.	U	21.	U	21.	U
75-34-3	1,1-Dichloroethane	5.	UJ	5.	U	16.	U	16.	U	16.	U	16.	U
540-59-0	1,2-Dichloroethene (total)	10.	UJ	10.	U	49.	U	48.	U	47.	U	48.	U
67-66-3	Chloroform	5.	UJ	5.	U	16.	U	16.	U	16.	U	16.	U
107-06-2	1,2-Dichloroethane	5.	UJ	5.	U	11.	U	11.	U	11.	U	11.	U
78-93-3	2-Butanone (MEK)	20.	UJ	20.	U	38.	U	38.	U	37.	U	37.	U
71-55-6	1,1,1-Trichloroethane	10.	UJ	10.	U	22.	U	22.	U	21.	U	21.	U
56-23-5	Carbon tetrachloride	10.	UJ	10.	U	16.	U	16.	U	16.	U	16.	U
75-27-4	Bromodichloromethane	10.	UJ	10.	U	22.	U	22.	U	21.	U	21.	U
78-87-5	1,2-Dichloropropane	10.	UJ	10.	U	22.	U	22.	U	21.	U	21.	U
10061-01-5	cis-1,3-Dichloropropene	15.	UJ	15.	U	11.	U	11.	U	11.	U	11.	U
79-01-6	Trichloroethene	5.	UJ	5.	U	22.	U	22.	U	21.	U	21.	U
124-48-1	Dibromochloromethane	10.	UJ	10.	U	16.	U	16.	U	16.	U	16.	U
79-00-5	1,1,2-Trichloroethane	5.	UJ	5.	U	16.	U	16.	U	16.	U	16.	U
71-43-2	Benzene	10.	UJ	10.	U	16.	U	16.	U	16.	U	16.	U
10061-02-6	trans-1,3-Dichloropropene	10.	UJ	10.	U	16.	U	16.	U	16.	U	16.	U
75-25-2	Bromoform	10.	UJ	10.	U	16.	U	16.	U	16.	U	16.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	10.	UJ	10.	U	27.	U	27.	U	26.	U	27.	U
591-78-6	2-Hexanone	15.	UJ	15.	U	38.	U	38.	U	37.	U	37.	U
127-18-4	Tetrachloroethene	10.	UJ	10.	U	16.	U	16.	U	16.	U	16.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	UJ	10.	U	11.	U	11.	U	11.	U	11.	U
108-88-3	Toluene	5.	UJ	5.	U	16.	U	16.	U	16.	U	16.	U
108-90-7	Chlorobenzene	10.	UJ	10.	U	16.	U	16.	U	16.	U	16.	U
100-41-4	Ethylbenzene	10.	UJ	10.	U	16.	U	16.	U	16.	U	16.	U
100-42-5	Styrene	5.	UJ	5.	U	11.	U	11.	U	11.	U	11.	U
1330-20-7	Xylene (Total)	15.	UJ	15.	U	22.	U	22.	U	21.	U	21.	U
107-02-8	Acrolein	90.	UJ	90.	U	250.	U	250.	U	240.	U	240.	U
354-58-5	1,1,1-trichloro-2,2,2-trifluoromethane	15.	UJ	15.	U	16.	U	16.	U	16.	U	16.	U
75-69-4	Trichlorofluoromethane	10.	UJ	10.	U	22.	U	22.	U	21.	U	21.	U
76-13-1	Trichlorotrifluoroethane (Freon 113)	25.	UJ	25.	U	11.	U	11.	U	11.	U	11.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA	SAMPLE ID ------->	510-G-W001-01		510-G-W002-01		511-S-B001-01		511-S-B001-02		511-S-B002-01		511-S-B002-02	
	ORIGINAL ID ----->	510GW00101		510GW00201		511SB00101		511SB00102		511SB00201		511SB00202	
	LAB SAMPLE ID --->	730796		730794		692147		692168		692202		692158	
	ID FROM REPORT -->	510GW00101		510GW00201		511SB00101		511SB00102		511SB00201		511SB00202	
	SAMPLE DATE ----->	06/12/95		06/12/95		03/21/95		03/21/95		03/21/95		03/21/95	
	DATE ANALYZED --->	06/22/95		06/16/95		03/25/95		03/25/95		03/25/95		03/25/95	
	MATRIX ---------->	Water		Water		Soil		Soil		Soil		Soil	
	UNITS ----------->	UG/L		UG/L		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0017V	VAL	0017V	VAL	0002V	VAL	0002V	VAL	0002V	VAL	0002V	VAL
74-88-4	Methyl iodide	5.	UJ	5.	U	11.	U	11.	U	11.	U	11.	U
107-05-1	3-Chloropropene	15.	UJ	15.	U	16.	U	16.	U	16.	U	16.	U
75-05-8	Acetonitrile	60.	UJ	60.	U	220.	U	220.	U	210.	U	210.	U
107-13-1	Acrylonitrile	95.	UJ	95.	U	230.	U	230.	U	220.	U	220.	U
108-05-4	Vinyl acetate	10.	UJ	10.	U	22.	U	22.	U	21.	U	21.	U
107-12-0	Propionitrile	220.	UJ	220.	UR	640.	UR	630.	UR	620.	UR	630.	UR
126-98-7	Methacrylonitrile	20.	UJ	20.	U	22.	U	22.	U	21.	U	21.	U
4170-30-3	Crotonaldehyde	300.	UR	300.	UR	600.	UR	590.	UR	580.	UR	590.	UR
78-83-1	Isobutyl alcohol	2800.	UR	2800.	UR	14000.	UR	14000.	UR	14000.	UR	14000.	UR
74-95-3	Methylene bromide	10.	UJ	10.	U	22.	U	22.	U	21.	U	21.	U
80-62-6	Methyl methacrylate	20.	UJ	20.	U	54.	U	54.	U	53.	U	53.	U
123-91-1	1,4-Dioxane	3700.	UR	3700.	UR	55000.	UR	55000.	UR	54000.	UR	54000.	UR
110-75-8	2-Chloroethyl vinyl ether	10.	UR	10.	UR	16.	U	16.	U	16.	U	16.	U
97-63-2	Ethyl methacrylate	10.	UJ	10.	U	27.	U	27.	U	26.	U	27.	U
106-93-4	1, 2-Dibromoethane	10.	UJ	10.	U	22.	U	22.	U	21.	U	21.	U
630-20-6	1,1,1,2-Tetrachloroethane	10.	UJ	10.	U	22.	U	22.	U	21.	U	21.	U
1476-11-5	Cis-1,4-Dichloro-2-Butene	5.	UJ	5.	UR	22.	U	22.	U	21.	U	21.	U
96-18-4	1,2,3-Trichloropropane	10.	UJ	10.	U	22.	U	22.	U	21.	U	21.	U
110-57-6	trans-1,4-Dichloro-2-butene	10.	UJ	10.	UR	22.	U	22.	U	21.	U	21.	U
96-12-8	1,2-Dibromo-3-Chloropropane	10.	UJ	10.	U	54.	U	54.	U	53.	U	53.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA						
SAMPLE ID ------->	511-S-B003-01	511-S-B003-02	511-S-B004-01	511-S-B005-01	511-S-B005-02	511-C-B005-02
ORIGINAL ID ----->	511SB00301	511SB00302	511SB00401	511SB00501	511SB00502	511CB00502
LAB SAMPLE ID --->	692226	692184	692105	692254	692192	692134
ID FROM REPORT -->	511SB00301	511SB00302	511SB00401	511SB00501	511SB00502	511CB00502
SAMPLE DATE ----->	03/21/95	03/21/95	03/21/95	03/21/95	03/21/95	03/21/95
DATE ANALYZED --->	03/26/95	03/25/95	03/25/95	03/26/95	03/25/95	03/25/95
MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0003V	VAL	0002V	VAL	0002V	VAL	0003V	VAL	0002V	VAL	0002V	VAL
74-87-3	Chloromethane	38.	U	38.	U	38.	U	37.	U	37.	U	37.	U
74-83-9	Bromomethane	22.	U	22.	U	22.	U	21.	U	21.	U	21.	U
75-01-4	Vinyl chloride	22.	U	22.	U	22.	U	21.	U	21.	U	21.	U
75-00-3	Chloroethane	22.	UJ	22.	U	22.	U	21.	UJ	21.	U	21.	U
75-09-2	Methylene chloride	22.	UJ	22.	U	22.	UJ	21.	UJ	21.	U	27.	U
67-64-1	Acetone	97.	U	97.	UJ	98.	UJ	96.	U	20.	J	96.	UJ
75-15-0	Carbon disulfide	11.	U	11.	U	11.	U	11.	U	11.	U	11.	U
75-35-4	1,1-Dichloroethene	22.	U	22.	U	22.	U	21.	U	21.	U	21.	U
75-34-3	1,1-Dichloroethane	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
540-59-0	1,2-Dichloroethene (total)	48.	U	48.	U	49.	U	48.	U	47.	U	48.	U
67-66-3	Chloroform	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
107-06-2	1,2-Dichloroethane	11.	U	11.	U	11.	U	11.	U	11.	U	11.	U
78-93-3	2-Butanone (MEK)	38.	U	38.	U	38.	U	37.	U	37.	U	37.	U
71-55-6	1,1,1-Trichloroethane	22.	U	22.	U	22.	U	21.	U	21.	U	21.	U
56-23-5	Carbon tetrachloride	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
75-27-4	Bromodichloromethane	22.	U	22.	U	22.	U	21.	U	21.	U	21.	U
78-87-5	1,2-Dichloropropane	22.	U	22.	U	22.	U	21.	U	21.	U	21.	U
10061-01-5	cis-1,3-Dichloropropene	11.	U	11.	U	11.	U	11.	U	11.	U	11.	U
79-01-6	Trichloroethene	22.	U	22.	U	22.	U	21.	U	21.	U	21.	U
124-48-1	Dibromochloromethane	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
79-00-5	1,1,2-Trichloroethane	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
71-43-2	Benzene	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
10061-02-6	trans-1,3-Dichloropropene	16.	UJ	16.	U	16.	U	16.	UJ	16.	U	16.	U
75-25-2	Bromoform	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	27.	U	27.	U	27.	U	27.	U	26.	U	27.	U
591-78-6	2-Hexanone	38.	UJ	38.	U	38.	U	37.	UJ	37.	U	37.	U
127-18-4	Tetrachloroethene	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
79-34-5	1,1,2,2-Tetrachloroethane	11.	U	11.	U	11.	U	11.	U	11.	U	11.	U
108-88-3	Toluene	2.	J	16.	U	16.	U	16.	U	16.	U	16.	U
108-90-7	Chlorobenzene	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
100-41-4	Ethylbenzene	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
100-42-5	Styrene	11.	U	11.	U	11.	U	11.	U	11.	U	11.	U
1330-20-7	Xylene (Total)	22.	U	22.	U	22.	U	21.	U	21.	U	21.	U
107-02-8	Acrolein	250.	U	250.	U	250.	U	240.	U	240.	U	240.	U
354-58-5	1,1,1-trichloro-2,2,2-trifluoromethane	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
75-69-4	Trichlorofluoromethane	22.	U	22.	U	22.	U	21.	U	21.	U	21.	U
76-13-1	Trichlorotrifluoroethane (Freon 113)	11.	U	11.	U	11.	U	11.	U	11.	U	11.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA						
SAMPLE ID ------->	511-S-B003-01	511-S-B003-02	511-S-B004-01	511-S-B005-01	511-S-B005-02	511-C-B005-02
ORIGINAL ID ----->	511SB00301	511SB00302	511SB00401	511SB00501	511SB00502	511CB00502
LAB SAMPLE ID --->	692226	692184	692105	692254	692192	692134
ID FROM REPORT -->	511SB00301	511SB00302	511SB00401	511SB00501	511SB00502	511CB00502
SAMPLE DATE ----->	03/21/95	03/21/95	03/21/95	03/21/95	03/21/95	03/21/95
DATE ANALYZED --->	03/26/95	03/25/95	03/25/95	03/26/95	03/25/95	03/25/95
MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
UNITS ----------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0003V	VAL	0002V	VAL	0002V	VAL	0003V	VAL	0002V	VAL	0002V	VAL
74-88-4	Methyl iodide	11.	U	11.	U	11.	U	11.	U	11.	U	11.	U
107-05-1	3-Chloropropene	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
75-05-8	Acetonitrile	220.	U	220.	U	220.	U	210.	U	210.	U	210.	U
107-13-1	Acrylonitrile	230.	U	230.	U	230.	U	220.	U	220.	U	220.	U
108-05-4	Vinyl acetate	22.	U	22.	U	22.	U	21.	U	21.	U	21.	U
107-12-0	Propionitrile	630.	UR	630.	UR	640.	UR	630.	UR	620.	UR	630.	UR
126-98-7	Methacrylonitrile	22.	U	22.	U	22.	U	21.	U	21.	U	21.	U
4170-30-3	Crotonaldehyde	590.	UR	590.	UR	600.	UR	590.	UR	580.	UR	590.	UR
78-83-1	Isobutyl alcohol	14000.	UR	14000.	UR	14000.	UR	14000.	UR	14000.	UR	14000.	UR
74-95-3	Methylene bromide	22.	U	22.	U	22.	U	21.	U	21.	U	21.	U
80-62-6	Methyl methacrylate	54.	U	54.	U	54.	U	53.	U	53.	U	53.	U
123-91-1	1,4-Dioxane	55000.	UR	55000.	UR	55000.	UR	54000.	UR	54000.	UR	54000.	UR
110-75-8	2-Chloroethyl vinyl ether	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
97-63-2	Ethyl methacrylate	27.	U	27.	U	27.	U	27.	U	26.	U	27.	U
106-93-4	1, 2-Dibromoethane	22.	U	22.	U	22.	U	21.	U	21.	U	21.	U
630-20-6	1,1,1,2-Tetrachloroethane	22.	U	22.	U	22.	U	21.	U	21.	U	21.	U
1476-11-5	Cis-1,4-Dichloro-2-Butene	22.	U	22.	U	22.	U	21.	U	21.	U	21.	U
96-18-4	1,2,3-Trichloropropane	22.	U	22.	U	22.	U	21.	U	21.	U	21.	U
110-57-6	trans-1,4-Dichloro-2-butene	22.	U	22.	U	22.	U	21.	U	21.	U	21.	U
96-12-8	1,2-Dibromo-3-Chloropropane	54.	U	54.	U	54.	U	53.	U	53.	U	53.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA	SAMPLE ID ------->	511-S-B006-01	511-S-B006-02	512-S-B001-01	512-S-B002-01	512-S-B002-02	512-S-B003-01
	ORIGINAL ID ----->	511SB00601	511SB00602	512SB00101	512SB00201	512SB00202	512SB00301
	LAB SAMPLE ID --->	692010	692239	690515	690524	690525	690506
	ID FROM REPORT -->	511SB00601	511SB00602	512SB00101	512SB00201	512SB00202	512SB00301
	SAMPLE DATE ----->	03/21/95	03/21/95	03/15/95	03/15/95	03/15/95	03/15/95
	DATE ANALYZED --->	03/25/95	03/26/95	03/20/95	03/20/95	03/20/95	03/20/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ----------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0002V	VAL	0003V	VAL	0001V	VAL	0001V	VAL	0001V	VAL	0001V	VAL
74-87-3	Chloromethane	37.	U	37.	U	41.	U	44.	U	45.	U	39.	U
74-83-9	Bromomethane	21.	U	21.	U	23.	U	25.	U	26.	U	22.	U
75-01-4	Vinyl chloride	21.	U	21.	U	23.	U	25.	U	26.	U	22.	U
75-00-3	Chloroethane	21.	U	21.	UJ	23.	U	25.	U	26.	U	22.	U
75-09-2	Methylene chloride	21.	UJ	21.	UJ	23.	UJ	22.	UJ	26.	UJ	22.	UJ
67-64-1	Acetone	95.	UJ	96.	U	100.	U	110.	UJ	61.	J	100.	U
75-15-0	Carbon disulfide	11.	U	11.	U	12.	U	12.	U	13.	U	11.	U
75-35-4	1,1-Dichloroethene	21.	U	21.	U	23.	U	25.	U	26.	U	22.	U
75-34-3	1,1-Dichloroethane	16.	U	16.	U	17.	U	19.	U	19.	U	17.	U
540-59-0	1,2-Dichloroethene (total)	47.	U	48.	U	52.	U	56.	U	58.	U	50.	U
67-66-3	Chloroform	16.	U	16.	U	17.	U	19.	U	19.	U	17.	U
107-06-2	1,2-Dichloroethane	11.	U	11.	U	12.	U	12.	U	13.	U	11.	U
78-93-3	2-Butanone (MEK)	37.	U	37.	U	41.	U	44.	UJ	45.	UJ	39.	U
71-55-6	1,1,1-Trichloroethane	21.	U	21.	U	23.	U	25.	U	26.	U	22.	U
56-23-5	Carbon tetrachloride	16.	U	16.	U	17.	U	19.	U	19.	U	17.	U
75-27-4	Bromodichloromethane	21.	U	21.	U	23.	U	25.	U	26.	U	22.	U
78-87-5	1,2-Dichloropropane	21.	U	21.	U	23.	U	25.	U	26.	U	22.	U
10061-01-5	cis-1,3-Dichloropropene	11.	U	11.	U	12.	U	12.	U	13.	U	11.	U
79-01-6	Trichloroethene	21.	U	21.	U	23.	U	25.	U	26.	U	22.	U
124-48-1	Dibromochloromethane	16.	U	16.	U	17.	UJ	19.	U	19.	U	17.	UJ
79-00-5	1,1,2-Trichloroethane	16.	U	16.	U	17.	U	19.	U	19.	U	17.	U
71-43-2	Benzene	16.	U	16.	U	17.	U	19.	U	19.	U	17.	U
10061-02-6	trans-1,3-Dichloropropene	16.	U	16.	UJ	17.	U	19.	U	19.	U	17.	U
75-25-2	Bromoform	16.	U	16.	U	17.	U	19.	U	19.	U	17.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	26.	U	27.	U	29.	U	31.	U	32.	U	28.	U
591-78-6	2-Hexanone	37.	U	37.	UJ	41.	U	44.	U	45.	U	39.	U
127-18-4	Tetrachloroethene	16.	U	16.	U	17.	U	19.	U	19.	U	17.	U
79-34-5	1,1,2,2-Tetrachloroethane	11.	U	11.	U	12.	U	12.	U	13.	U	11.	U
108-88-3	Toluene	4.	J	16.	U	17.	U	19.	U	19.	U	17.	U
108-90-7	Chlorobenzene	16.	U	16.	U	17.	U	19.	U	19.	U	17.	U
100-41-4	Ethylbenzene	16.	U	16.	U	17.	U	19.	U	19.	U	17.	U
100-42-5	Styrene	11.	U	11.	U	12.	U	12.	U	13.	U	11.	U
1330-20-7	Xylene (Total)	21.	U	21.	U	23.	U	25.	U	26.	U	22.	U
107-02-8	Acrolein	240.	U	240.	U	270.	U	290.	UJ	300.	UJ	260.	U
354-58-5	1,1,1-trichloro-2,2,2-trifluoromethane	16.	U	16.	U	17.	U	19.	U	19.	U	17.	U
75-69-4	Trichlorofluoromethane	21.	U	21.	U	23.	U	25.	U	26.	U	22.	U
76-13-1	Trichlorotrifluoroethane (Freon 113)	11.	U	11.	U	12.	U	12.	U	13.	U	11.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA	SAMPLE ID ------->	511-S-B006-01	511-S-B006-02	512-S-B001-01	512-S-B002-01	512-S-B002-02	512-S-B003-01
	ORIGINAL ID ----->	511SB00601	511SB00602	512SB00101	512SB00201	512SB00202	512SB00301
	LAB SAMPLE ID --->	692010	692239	690515	690524	690525	690506
	ID FROM REPORT -->	511SB00601	511SB00602	512SB00101	512SB00201	512SB00202	512SB00301
	SAMPLE DATE ----->	03/21/95	03/21/95	03/15/95	03/15/95	03/15/95	03/15/95
	DATE ANALYZED --->	03/25/95	03/26/95	03/20/95	03/20/95	03/20/95	03/20/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ----------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0002V	VAL	0003V	VAL	0001V	VAL	0001V	VAL	0001V	VAL	0001V	VAL
74-88-4	Methyl iodide	11.	U	11.	U	12.	U	12.	U	13.	U	11.	U
107-05-1	3-Chloropropene	16.	U	16.	U	17.	U	19.	UJ	19.	UJ	17.	U
75-05-8	Acetonitrile	210.	U	210.	U	230.	U	250.	UJ	260.	UJ	220.	U
107-13-1	Acrylonitrile	220.	U	220.	U	240.	U	260.	UJ	270.	UJ	230.	U
108-05-4	Vinyl acetate	21.	U	21.	U	23.	U	25.	UJ	26.	UJ	22.	U
107-12-0	Propionitrile	620.	UR	630.	UR	690.	U	740.	UJ	770.	UJ	660.	U
126-98-7	Methacrylonitrile	21.	U	21.	U	23.	U	25.	UJ	26.	UJ	22.	U
4170-30-3	Crotonaldehyde	580.	UR	590.	UR	640.	UR	690.	UR	710.	UR	610.	UR
78-83-1	Isobutyl alcohol	14000.	UR	14000.	UR	15000.	UR	16000.	UR	17000.	UR	14000.	UR
74-95-3	Methylene bromide	21.	U	21.	U	23.	U	25.	U	26.	U	22.	U
80-62-6	Methyl methacrylate	53.	U	53.	U	58.	U	62.	U	65.	U	56.	U
123-91-1	1,4-Dioxane	54000.	UR	54000.	UR	59000.	UR	64000.	UR	66000.	UR	57000.	UR
110-75-8	2-Chloroethyl vinyl ether	16.	U	16.	U	17.	U	19.	U	19.	U	17.	U
97-63-2	Ethyl methacrylate	26.	U	27.	U	29.	U	31.	U	32.	U	28.	U
106-93-4	1, 2-Dibromoethane	21.	U	21.	U	23.	U	25.	U	26.	U	22.	U
630-20-6	1,1,1,2-Tetrachloroethane	21.	U	21.	U	23.	U	25.	U	26.	U	22.	U
1476-11-5	Cis-1,4-Dichloro-2-Butene	21.	U	21.	U	23.	U	25.	U	26.	U	22.	U
96-18-4	1,2,3-Trichloropropane	21.	U	21.	U	23.	UJ	25.	U	26.	U	22.	UJ
110-57-6	trans-1,4-Dichloro-2-butene	21.	U	21.	U	23.	U	25.	U	26.	U	22.	U
96-12-8	1,2-Dibromo-3-Chloropropane	53.	U	53.	U	58.	UJ	62.	U	65.	U	56.	UJ

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA												
	SAMPLE ID ------->	512-C-B003-01		512-S-B004-01		512-S-B005-01		512-S-B006-01		513-S-B001-01		513-S-B001-02	
	ORIGINAL ID ----->	512CB00301		512SB00401		512SB00501		512SB00601		513SB00101		513SB00102	
	LAB SAMPLE ID --->	690528		690516		690501		690523		702267		702277	
	ID FROM REPORT -->	512CB00301		512SB00401		512SB00501		512SB00601		513SB00101		513SB00102	
	SAMPLE DATE ----->	03/15/95		03/15/95		03/15/95		03/15/95		04/12/95		04/12/95	
	DATE ANALYZED --->	03/20/95		03/20/95		03/20/95		03/20/95		04/25/95		04/25/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0001V	VAL	0001V	VAL	0001V	VAL	0001V	VAL	0006V	VAL	0006V	VAL
74-87-3	Chloromethane	39.	U	39.	U	38.	U	43.	U	38.	UJ	37.	UJ
74-83-9	Bromomethane	22.	U	22.	U	22.	U	24.	U	22.	U	21.	U
75-01-4	Vinyl chloride	22.	U	22.	U	22.	U	24.	U	22.	U	21.	U
75-00-3	Chloroethane	22.	U	22.	U	22.	U	24.	U	22.	U	21.	U
75-09-2	Methylene chloride	22.	UJ	22.	UJ	22.	UJ	24.	UJ	22.	UJ	23.	UJ
67-64-1	Acetone	100.	UJ	100.	U	98.	U	110.	U	100.	UJ	96.	UJ
75-15-0	Carbon disulfide	11.	U	11.	U	11.	U	12.	U	11.	U	11.	U
75-35-4	1,1-Dichloroethene	22.	U	22.	U	22.	U	24.	U	22.	U	21.	U
75-34-3	1,1-Dichloroethane	17.	U	17.	U	16.	U	18.	U	16.	U	16.	U
540-59-0	1,2-Dichloroethene (total)	50.	U	51.	U	49.	U	55.	U	49.	U	47.	U
67-66-3	Chloroform	17.	U	17.	U	16.	U	18.	U	16.	U	16.	U
107-06-2	1,2-Dichloroethane	11.	U	11.	U	11.	U	12.	U	11.	U	11.	U
78-93-3	2-Butanone (MEK)	39.	UJ	39.	U	38.	U	43.	U	38.	U	37.	U
71-55-6	1,1,1-Trichloroethane	22.	U	22.	U	22.	U	24.	U	22.	UJ	21.	UJ
56-23-5	Carbon tetrachloride	17.	U	17.	U	16.	U	18.	U	16.	UJ	16.	UJ
75-27-4	Bromodichloromethane	22.	U	22.	U	22.	U	24.	U	22.	U	21.	U
78-87-5	1,2-Dichloropropane	22.	U	22.	U	22.	U	24.	U	22.	U	21.	U
10061-01-5	cis-1,3-Dichloropropene	11.	U	11.	U	11.	U	12.	U	11.	U	11.	U
79-01-6	Trichloroethene	22.	U	22.	U	22.	U	24.	U	22.	U	21.	U
124-48-1	Dibromochloromethane	17.	U	17.	UJ	16.	UJ	18.	UJ	16.	UJ	16.	UJ
79-00-5	1,1,2-Trichloroethane	17.	U	17.	U	16.	U	18.	U	16.	U	16.	U
71-43-2	Benzene	17.	U	17.	U	16.	U	18.	U	16.	U	16.	U
10061-02-6	trans-1,3-Dichloropropene	17.	U	17.	U	16.	U	18.	U	16.	UJ	16.	UJ
75-25-2	Bromoform	17.	U	17.	U	16.	U	18.	U	16.	UJ	16.	UJ
108-10-1	4-Methyl-2-Pentanone (MIBK)	28.	U	28.	U	27.	U	30.	U	27.	U	26.	U
591-78-6	2-Hexanone	39.	U	39.	U	38.	U	43.	U	38.	U	37.	U
127-18-4	Tetrachloroethene	17.	U	17.	U	16.	U	18.	U	16.	U	16.	U
79-34-5	1,1,2,2-Tetrachloroethane	11.	U	11.	U	11.	U	12.	U	11.	U	11.	U
108-88-3	Toluene	17.	U	17.	U	16.	U	18.	U	16.	U	16.	U
108-90-7	Chlorobenzene	17.	U	17.	U	16.	U	18.	U	16.	U	16.	U
100-41-4	Ethylbenzene	17.	U	17.	U	16.	U	18.	U	16.	U	16.	U
100-42-5	Styrene	11.	U	11.	U	11.	U	12.	U	11.	U	11.	U
1330-20-7	Xylene (Total)	22.	U	22.	U	22.	U	24.	U	22.	U	21.	U
107-02-8	Acrolein	260.	UJ	260.	U	250.	U	280.	U	250.	UJ	240.	UJ
354-58-5	1,1,1-trichloro-2,2,2-trifluoromethane	17.	U	17.	U	16.	U	18.	U	16.	U	16.	U
75-69-4	Trichlorofluoromethane	22.	U	22.	U	22.	U	24.	U	22.	U	21.	U
76-13-1	Trichlorotrifluoroethane (Freon 113)	11.	U	11.	U	11.	U	12.	U	11.	U	11.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA												
	SAMPLE ID ------->	512-C-B003-01		512-S-B004-01		512-S-B005-01		512-S-B006-01		513-S-B001-01		513-S-B001-02	
	ORIGINAL ID ----->	512CB00301		512SB00401		512SB00501		512SB00601		513SB00101		513SB00102	
	LAB SAMPLE ID --->	690528		690516		690501		690523		702267		702277	
	ID FROM REPORT -->	512CB00301		512SB00401		512SB00501		512SB00601		513SB00101		513SB00102	
	SAMPLE DATE ----->	03/15/95		03/15/95		03/15/95		03/15/95		04/12/95		04/12/95	
	DATE ANALYZED --->	03/20/95		03/20/95		03/20/95		03/20/95		04/25/95		04/25/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0001V	VAL	0001V	VAL	0001V	VAL	0001V	VAL	0006V	VAL	0006V	VAL
74-88-4	Methyl iodide	11.	U	11.	U	11.	U	12.	U	11.	U	11.	U
107-05-1	3-Chloropropene	17.	UJ	17.	U	16.	U	18.	U	16.	U	16.	U
75-05-8	Acetonitrile	220.	UJ	220.	U	220.	U	240.	U	220.	U	210.	U
107-13-1	Acrylonitrile	230.	UJ	240.	U	230.	U	260.	U	230.	U	220.	U
108-05-4	Vinyl acetate	22.	UJ	22.	U	22.	U	24.	U	22.	UJ	21.	UJ
107-12-0	Propionitrile	660.	UJ	660.	U	640.	U	720.	U	650.	UR	620.	UR
126-98-7	Methacrylonitrile	22.	UJ	22.	U	22.	U	24.	U	22.	U	21.	U
4170-30-3	Crotonaldehyde	610.	UR	620.	UR	600.	UR	670.	UR	600.	UR	580.	UR
78-83-1	Isobutyl alcohol	14000.	UR	15000.	UR	14000.	UR	16000.	UR	14000.	UR	14000.	UR
74-95-3	Methylene bromide	22.	U	22.	U	22.	U	24.	U	22.	U	21.	U
80-62-6	Methyl methacrylate	56.	U	56.	U	54.	U	61.	U	55.	U	53.	U
123-91-1	1,4-Dioxane	57000.	UR	57000.	UR	55000.	UR	62000.	UR	56000.	UR	54000.	UR
110-75-8	2-Chloroethyl vinyl ether	17.	U	17.	U	16.	U	18.	U	16.	UR	16.	UR
97-63-2	Ethyl methacrylate	28.	U	28.	U	27.	U	30.	U	27.	U	26.	U
106-93-4	1, 2-Dibromoethane	22.	U	22.	U	22.	U	24.	U	22.	U	21.	U
630-20-6	1,1,1,2-Tetrachloroethane	22.	U	22.	U	22.	U	24.	U	22.	U	21.	U
1476-11-5	Cis-1,4-Dichloro-2-Butene	22.	U	22.	U	22.	U	24.	U	22.	UJ	21.	UJ
96-18-4	1,2,3-Trichloropropane	22.	U	22.	UJ	22.	UJ	24.	UJ	22.	U	21.	U
110-57-6	trans-1,4-Dichloro-2-butene	22.	U	22.	U	22.	U	24.	U	22.	UJ	21.	UJ
96-12-8	1,2-Dibromo-3-Chloropropane	56.	U	56.	UJ	54.	UJ	61.	UJ	55.	UJ	53.	UJ

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA	SAMPLE ID ------->	513-S-B002-01		513-S-B002-02		513-C-B002-02		513-S-B003-01		513-S-B003-02		513-S-B004-01	
	ORIGINAL ID ----->	513SB00201		513SB00202		513CB00202		513SB00301		513SB00302		513SB00401	
	LAB SAMPLE ID --->	702288		702304		702404		702314		702328		702334	
	ID FROM REPORT -->	513SB00201		513SB00202		513CB00202		513SB00301		513SB00302		513SB00401	
	SAMPLE DATE ----->	04/12/95		04/12/95		04/23/95		04/12/95		04/12/95		04/12/95	
	DATE ANALYZED --->	04/25/95		04/25/95		04/25/95		04/25/95		04/25/95		04/25/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0006V	VAL	0006V	VAL	0010V	VAL	0006V	VAL	0006V	VAL	0006V	VAL
74-87-3	Chloromethane	39.	UJ	40.	UJ	37.	U	38.	UJ	37.	UJ	38.	UJ
74-83-9	Bromomethane	22.	U	23.	U	21.	U	22.	U	21.	U	22.	U
75-01-4	Vinyl chloride	22.	U	23.	U	21.	U	22.	U	21.	U	22.	U
75-00-3	Chloroethane	22.	U	23.	U	21.	U	22.	U	21.	U	22.	U
75-09-2	Methylene chloride	28.	UJ	23.	UJ	21.	UJ	46.	UJ	21.	UJ	22.	UJ
67-64-1	Acetone	100.	UJ	100.	UJ	95.	UJ	98.	UJ	95.	UJ	98.	UJ
75-15-0	Carbon disulfide	11.	U	11.	U	11.	U	11.	U	11.	U	11.	U
75-35-4	1,1-Dichloroethene	22.	U	23.	U	21.	U	22.	U	21.	U	22.	U
75-34-3	1,1-Dichloroethane	17.	U	17.	U	16.	U	16.	U	16.	U	16.	U
540-59-0	1,2-Dichloroethene (total)	50.	U	52.	U	47.	U	49.	U	48.	U	48.	U
67-66-3	Chloroform	17.	U	17.	U	16.	U	16.	U	16.	U	16.	U
107-06-2	1,2-Dichloroethane	11.	U	11.	U	11.	UJ	11.	U	11.	U	11.	U
78-93-3	2-Butanone (MEK)	39.	U	40.	U	37.	UJ	38.	U	37.	U	38.	U
71-55-6	1,1,1-Trichloroethane	22.	UJ	23.	UJ	21.	UJ	22.	UJ	21.	UJ	22.	UJ
56-23-5	Carbon tetrachloride	17.	UJ	17.	UJ	16.	UJ	16.	UJ	16.	UJ	16.	UJ
75-27-4	Bromodichloromethane	22.	U	23.	U	21.	U	22.	U	21.	U	22.	U
78-87-5	1,2-Dichloropropane	22.	U	23.	U	21.	U	22.	U	21.	U	22.	U
10061-01-5	cis-1,3-Dichloropropene	11.	U	11.	U	11.	UJ	11.	U	11.	U	11.	U
79-01-6	Trichloroethene	22.	U	23.	U	21.	U	22.	U	21.	U	22.	U
124-48-1	Dibromochloromethane	17.	UJ	17.	UJ	16.	UJ	16.	UJ	16.	UJ	16.	UJ
79-00-5	1,1,2-Trichloroethane	17.	U	17.	U	16.	U	16.	U	16.	U	16.	U
71-43-2	Benzene	17.	U	17.	U	16.	U	16.	U	16.	U	16.	U
10061-02-6	trans-1,3-Dichloropropene	17.	UJ	17.	UJ	16.	UJ	16.	UJ	16.	UJ	16.	UJ
75-25-2	Bromoform	17.	UJ	17.	UJ	16.	UJ	16.	UJ	16.	UJ	16.	UJ
108-10-1	4-Methyl-2-Pentanone (MIBK)	28.	U	29.	U	26.	U	27.	U	27.	U	27.	U
591-78-6	2-Hexanone	39.	U	40.	U	37.	U	38.	U	37.	U	38.	U
127-18-4	Tetrachloroethene	17.	U	17.	U	16.	UJ	16.	U	16.	U	16.	U
79-34-5	1,1,2,2-Tetrachloroethane	11.	U	11.	U	11.	U	11.	U	11.	U	11.	U
108-88-3	Toluene	17.	U	17.	U	16.	U	16.	U	16.	U	16.	U
108-90-7	Chlorobenzene	17.	U	17.	U	16.	U	16.	U	16.	U	16.	U
100-41-4	Ethylbenzene	17.	U	17.	U	16.	U	16.	U	16.	U	16.	U
100-42-5	Styrene	11.	U	11.	U	11.	U	11.	U	11.	U	11.	U
1330-20-7	Xylene (Total)	22.	U	23.	U	21.	U	22.	U	21.	U	22.	U
107-02-8	Acrolein	260.	UJ	260.	UJ	240.	U	250.	UJ	240.	UJ	250.	UJ
354-58-5	1,1,1-trichloro-2,2,2-trifluoromethane	17.	U	17.	U	16.	U	16.	U	16.	U	16.	U
75-69-4	Trichlorofluoromethane	22.	U	23.	U	21.	UJ	22.	U	21.	U	22.	U
76-13-1	Trichlorotrifluoroethane (Freon 113)	11.	U	11.	U	11.	U	11.	U	11.	U	11.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA													
	SAMPLE ID ------->	513-S-B002-01		513-S-B002-02		513-C-B002-02		513-S-B003-01		513-S-B003-02		513-S-B004-01	
	ORIGINAL ID ----->	513SB00201		513SB00202		513CB00202		513SB00301		513SB00302		513SB00401	
	LAB SAMPLE ID --->	702288		702304		702404		702314		702328		702334	
	ID FROM REPORT -->	513SB00201		513SB00202		513CB00202		513SB00301		513SB00302		513SB00401	
	SAMPLE DATE ----->	04/12/95		04/12/95		04/23/95		04/12/95		04/12/95		04/12/95	
	DATE ANALYZED --->	04/25/95		04/25/95		04/23/95		04/25/95		04/25/95		04/25/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0006V	VAL	0006V	VAL	0010V	VAL	0006V	VAL	0006V	VAL	0006V	VAL
74-88-4	Methyl iodide	11.	U	11.	U	11.	U	11.	U	11.	U	11.	U
107-05-1	3-Chloropropene	17.	U	17.	U	16.	U	16.	U	16.	U	16.	U
75-05-8	Acetonitrile	220.	U	230.	U	210.	U	220.	U	210.	U	220.	U
107-13-1	Acrylonitrile	230.	U	240.	U	220.	U	230.	U	220.	U	230.	U
108-05-4	Vinyl acetate	22.	UJ	23.	UJ	21.	U	22.	UJ	21.	UJ	22.	UJ
107-12-0	Propionitrile	660.	UR	680.	UR	620.	U	640.	UR	630.	UR	630.	UR
126-98-7	Methacrylonitrile	22.	U	23.	U	21.	U	22.	U	21.	U	22.	U
4170-30-3	Crotonaldehyde	610.	UR	630.	UR	580.	UR	600.	UR	590.	UR	590.	UR
78-83-1	Isobutyl alcohol	14000.	UR	15000.	UR	14000.	UR	14000.	UR	14000.	UR	14000.	UR
74-95-3	Methylene bromide	22.	U	23.	U	21.	U	22.	U	21.	U	22.	U
80-62-6	Methyl methacrylate	56.	U	57.	U	53.	UJ	54.	U	53.	U	54.	U
123-91-1	1,4-Dioxane	57000.	UR	59000.	UR	54000.	UR	55000.	UR	54000.	UR	55000.	UR
110-75-8	2-Chloroethyl vinyl ether	17.	UR	17.	UR	16.	UR	16.	UR	16.	UR	16.	UR
97-63-2	Ethyl methacrylate	28.	U	29.	U	26.	U	27.	U	27.	U	27.	U
106-93-4	1, 2-Dibromoethane	22.	U	23.	U	21.	U	22.	U	21.	U	22.	U
630-20-6	1,1,1,2-Tetrachloroethane	22.	U	23.	U	21.	U	22.	U	21.	U	22.	U
1476-11-5	Cis-1,4-Dichloro-2-Butene	22.	UJ	23.	UJ	21.	U	22.	UJ	21.	UJ	22.	UJ
96-18-4	1,2,3-Trichloropropane	22.	U	23.	U	21.	U	22.	U	21.	U	22.	U
110-57-6	trans-1,4-Dichloro-2-butene	22.	UJ	23.	UJ	21.	U	22.	UJ	21.	UJ	22.	UJ
96-12-8	1,2-Dibromo-3-Chloropropane	56.	UJ	57.	UJ	53.	U	54.	UJ	53.	UJ	54.	UJ

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA													
	SAMPLE ID ------->	513-S-B004-02		513-S-B005-01		513-S-B005-02		513-S-B006-01		513-S-B006-02		515-S-B001-01	
	ORIGINAL ID ----->	513SB00402		513SB00501		513SB00502		513SB00601		513SB00602		515SB00101	
	LAB SAMPLE ID --->	702339		702348		702358		702367		702382		704237	
	ID FROM REPORT -->	513SB00402		513SB00501		513SB00502		513SB00601		513SB00602		515SB00101	
	SAMPLE DATE ----->	04/12/95		04/12/95		04/12/95		04/12/95		04/12/95		04/18/95	
	DATE ANALYZED --->	04/25/95		04/25/95		04/25/95		04/25/95		04/23/95		04/27/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0006V	VAL	0006V	VAL	0006V	VAL	0006V	VAL	0010V	VAL	0012V	VAL
74-87-3	Chloromethane	37.	UJ	38.	UJ	37.	UJ	38.	UJ	37.	U	38.	U
74-83-9	Bromomethane	21.	U	22.	U	21.	U	22.	U	21.	U	22.	U
75-01-4	Vinyl chloride	21.	U	22.	U	21.	U	22.	U	21.	U	22.	U
75-00-3	Chloroethane	21.	U	22.	U	21.	U	22.	U	21.	U	22.	U
75-09-2	Methylene chloride	21.	UJ	22.	UJ	21.	UJ	22.	UJ	21.	UJ	28.	U
67-64-1	Acetone	95.	UJ	97.	UJ	95.	UJ	100.	UJ	95.	UJ	38.	U
75-15-0	Carbon disulfide	11.	U	11.	U	11.	U	11.	U	11.	U	11.	U
75-35-4	1,1-Dichloroethene	21.	U	22.	U	21.	U	22.	U	21.	U	22.	U
75-34-3	1,1-Dichloroethane	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
540-59-0	1,2-Dichloroethene (total)	47.	U	48.	U	47.	U	49.	U	47.	U	48.	U
67-66-3	Chloroform	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
107-06-2	1,2-Dichloroethane	11.	U	11.	U	11.	U	11.	U	11.	UJ	11.	U
78-93-3	2-Butanone (MEK)	37.	U	38.	U	37.	U	38.	U	37.	UJ	38.	UJ
71-55-6	1,1,1-Trichloroethane	21.	UJ	22.	UJ	21.	UJ	22.	UJ	21.	UJ	22.	UJ
56-23-5	Carbon tetrachloride	16.	UJ	16.	UJ	16.	UJ	16.	UJ	16.	UJ	16.	UJ
75-27-4	Bromodichloromethane	21.	U	22.	U	21.	U	22.	U	21.	U	22.	U
78-87-5	1,2-Dichloropropane	21.	U	22.	U	21.	U	22.	U	21.	U	22.	U
10061-01-5	cis-1,3-Dichloropropene	11.	U	11.	U	11.	U	11.	U	11.	UJ	11.	U
79-01-6	Trichloroethene	21.	U	22.	U	21.	U	22.	U	21.	U	22.	U
124-48-1	Dibromochloromethane	16.	UJ	16.	UJ	16.	UJ	16.	UJ	16.	UJ	16.	UJ
79-00-5	1,1,2-Trichloroethane	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
71-43-2	Benzene	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
10061-02-6	trans-1,3-Dichloropropene	16.	UJ	16.	UJ	16.	UJ	16.	UJ	16.	UJ	16.	U
75-25-2	Bromoform	16.	UJ	16.	UJ	16.	UJ	16.	UJ	16.	UJ	16.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	26.	U	27.	U	26.	U	27.	U	26.	U	27.	UJ
591-78-6	2-Hexanone	37.	U	38.	U	37.	U	38.	U	37.	U	38.	UJ
127-18-4	Tetrachloroethene	16.	U	16.	U	16.	U	16.	U	16.	UJ	16.	U
79-34-5	1,1,2,2-Tetrachloroethane	11.	U	11.	U	11.	U	11.	U	11.	U	11.	UJ
108-88-3	Toluene	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
108-90-7	Chlorobenzene	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
100-41-4	Ethylbenzene	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
100-42-5	Styrene	11.	U	11.	U	11.	U	11.	U	11.	U	11.	U
1330-20-7	Xylene (Total)	21.	U	22.	U	21.	U	22.	U	21.	U	22.	U
107-02-8	Acrolein	240.	UJ	250.	UJ	240.	UJ	250.	UJ	240.	U	250.	UJ
354-58-5	1,1,1-trichloro-2,2,2-trifluoromethane	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
75-69-4	Trichlorofluoromethane	21.	U	22.	U	21.	U	22.	U	21.	UJ	22.	UJ
76-13-1	Trichlorotrifluoroethane (Freon 113)	11.	U	11.	U	11.	U	11.	U	11.	U	11.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA	SAMPLE ID ------->	513-S-B004-02	513-S-B005-01	513-S-B005-02	513-S-B006-01	513-S-B006-02	515-S-B001-01
	ORIGINAL ID ----->	513SB00402	513SB00501	513SB00502	513SB00601	513SB00602	515SB00101
	LAB SAMPLE ID --->	702339	702348	702358	702367	702382	704237
	ID FROM REPORT -->	513SB00402	513SB00501	513SB00502	513SB00601	513SB00602	515SB00101
	SAMPLE DATE ----->	04/12/95	04/12/95	04/12/95	04/12/95	04/12/95	04/18/95
	DATE ANALYZED --->	04/25/95	04/25/95	04/25/95	04/25/95	04/23/95	04/27/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0006V	VAL	0006V	VAL	0006V	VAL	0006V	VAL	0010V	VAL	0012V	VAL
74-88-4	Methyl iodide	11.	U	11.	U	11.	U	11.	U	11.	U	11.	U
107-05-1	3-Chloropropene	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
75-05-8	Acetonitrile	210.	U	220.	U	210.	U	220.	U	210.	U	220.	UJ
107-13-1	Acrylonitrile	220.	U	230.	U	220.	U	230.	U	220.	U	230.	UJ
108-05-4	Vinyl acetate	21.	UJ	22.	UJ	21.	UJ	22.	UJ	21.	U	1.	J
107-12-0	Propionitrile	620.	UR	630.	UR	620.	UR	650.	UR	620.	U	630.	UJ
126-98-7	Methacrylonitrile	21.	U	22.	U	21.	U	22.	U	21.	U	22.	UJ
4170-30-3	Crotonaldehyde	580.	UR	590.	UR	580.	UR	600.	UR	580.	UR	590.	UR
78-83-1	Isobutyl alcohol	14000.	UR	14000.	UR	14000.	UR	14000.	UR	14000.	UR	14000.	UR
74-95-3	Methylene bromide	21.	U	22.	U	21.	U	22.	U	21.	U	22.	U
80-62-6	Methyl methacrylate	53.	U	54.	U	53.	U	55.	U	53.	UJ	54.	UJ
123-91-1	1,4-Dioxane	54000.	UR	55000.	UR	54000.	UR	56000.	UR	54000.	UR	55000.	UR
110-75-8	2-Chloroethyl vinyl ether	16.	UR	16.	UR	16.	UR	16.	UR	16.	UR	16.	UR
97-63-2	Ethyl methacrylate	26.	U	27.	U	26.	U	27.	U	26.	U	27.	UJ
106-93-4	1, 2-Dibromoethane	21.	U	22.	U	21.	U	22.	U	21.	U	22.	U
630-20-6	1,1,1,2-Tetrachloroethane	21.	U	22.	U	21.	U	22.	U	21.	U	22.	U
1476-11-5	Cis-1,4-Dichloro-2-Butene	21.	UJ	22.	UJ	21.	UJ	22.	UJ	21.	U	22.	U
96-18-4	1,2,3-Trichloropropane	21.	U	22.	U	21.	U	22.	U	21.	U	22.	UJ
110-57-6	trans-1,4-Dichloro-2-butene	21.	UJ	22.	UJ	21.	UJ	22.	UJ	21.	U	22.	UJ
96-12-8	1,2-Dibromo-3-Chloropropane	53.	UJ	54.	UJ	53.	U	55.	UJ	53.	U	54.	UJ

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA	SAMPLE ID ------->	515-S-B001-02	515-S-B002-01	515-S-B002-02	515-S-B003-01	515-S-B003-02	515-S-B004-01
	ORIGINAL ID ----->	515SB00102	515SB00201	515SB00202	515SB00301	515SB00302	515SB00401
	LAB SAMPLE ID --->	704281	704271	704287	704304	704335	704359
	ID FROM REPORT -->	515SB00102	515SB00201	515SB00202	515SB00301	515SB00302	515SB00401
	SAMPLE DATE ----->	04/18/95	04/18/95	04/18/95	04/18/95	04/18/95	04/18/95
	DATE ANALYZED --->	04/27/95	04/26/95	04/27/95	04/27/95	04/27/95	04/28/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0012V	VAL	0015V	VAL	0012V	VAL	0012V	VAL	0012V	VAL	0012V	VAL
74-87-3	Chloromethane	37.	U	38.	U	37.	U	38.	U	37.	U	38.	U
74-83-9	Bromomethane	21.	U	22.	U	21.	U	22.	U	21.	U	22.	U
75-01-4	Vinyl chloride	21.	U	22.	U	21.	U	22.	U	21.	U	22.	U
75-00-3	Chloroethane	21.	U	22.	U	21.	U	22.	U	21.	U	22.	U
75-09-2	Methylene chloride	29.	U	22.	U	21.	U	22.	U	21.	U	22.	UJ
67-64-1	Acetone	95.	U	22.	U	37.	U	38.	U	37.	U	38.	UJ
75-15-0	Carbon disulfide	11.	U	11.	U	11.	U	11.	U	11.	U	11.	U
75-35-4	1,1-Dichloroethene	21.	U	22.	U	21.	U	22.	U	21.	U	22.	U
75-34-3	1,1-Dichloroethane	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
540-59-0	1,2-Dichloroethene (total)	47.	U	49.	U	47.	U	49.	U	47.	U	49.	U
67-66-3	Chloroform	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
107-06-2	1,2-Dichloroethane	11.	U	11.	U	11.	U	11.	U	11.	U	11.	U
78-93-3	2-Butanone (MEK)	37.	UJ	38.	UJ	37.	UJ	38.	UJ	37.	UJ	38.	UJ
71-55-6	1,1,1-Trichloroethane	21.	UJ	22.	UJ	21.	UJ	22.	UJ	21.	UJ	22.	UJ
56-23-5	Carbon tetrachloride	16.	UJ	16.	UJ	16.	UJ	16.	UJ	16.	UJ	16.	UJ
75-27-4	Bromodichloromethane	21.	U	22.	U	21.	U	22.	U	21.	U	22.	U
78-87-5	1,2-Dichloropropane	21.	U	22.	U	21.	U	22.	U	21.	U	22.	U
10061-01-5	cis-1,3-Dichloropropene	11.	U	11.	UJ	11.	U	11.	U	11.	U	11.	U
79-01-6	Trichloroethene	21.	U	22.	U	21.	U	22.	U	21.	U	22.	U
124-48-1	Dibromochloromethane	16.	UJ	16.	U	16.	UJ	16.	UJ	16.	UJ	16.	U
79-00-5	1,1,2-Trichloroethane	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
71-43-2	Benzene	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
10061-02-6	trans-1,3-Dichloropropene	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
75-25-2	Bromoform	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	26.	UJ	27.	U	26.	UJ	27.	UJ	26.	UJ	27.	UJ
591-78-6	2-Hexanone	37.	UJ	38.	UJ	37.	UJ	38.	UJ	37.	UJ	38.	UJ
127-18-4	Tetrachloroethene	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
79-34-5	1,1,2,2-Tetrachloroethane	11.	UJ	11.	UJ	11.	UJ	11.	UJ	11.	UJ	11.	UJ
108-88-3	Toluene	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
108-90-7	Chlorobenzene	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
100-41-4	Ethylbenzene	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
100-42-5	Styrene	11.	U	11.	U	11.	U	11.	U	11.	U	11.	U
1330-20-7	Xylene (Total)	21.	U	22.	U	21.	U	22.	U	21.	U	22.	U
107-02-8	Acrolein	240.	UJ	250.	U	240.	UJ	250.	UJ	240.	UJ	250.	UJ
354-58-5	1,1,1-trichloro-2,2,2-trifluoromethane	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
75-69-4	Trichlorofluoromethane	21.	UJ	22.	UJ	21.	UJ	22.	UJ	21.	UJ	22.	UJ
76-13-1	Trichlorotrifluoroethane (Freon 113)	11.	U	11.	U	11.	U	11.	U	11.	U	11.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA													
	SAMPLE ID ------->	515-S-B001-02		515-S-B002-01		515-S-B002-02		515-S-B003-01		515-S-B003-02		515-S-B004-01	
	ORIGINAL ID ----->	515SB00102		515SB00201		515SB00202		515SB00301		515SB00302		515SB00401	
	LAB SAMPLE ID --->	704281		704271		704287		704304		704335		704359	
	ID FROM REPORT -->	515SB00102		515SB00201		515SB00202		515SB00301		515SB00302		515SB00401	
	SAMPLE DATE ----->	04/18/95		04/18/95		04/18/95		04/18/95		04/18/95		04/18/95	
	DATE ANALYZED --->	04/27/95		04/26/95		04/27/95		04/27/95		04/27/95		04/28/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0012V	VAL	0015V	VAL	0012V	VAL	0012V	VAL	0012V	VAL	0012V	VAL
74-88-4	Methyl iodide	11.	U	11.	U	11.	U	11.	U	11.	U	11.	U
107-05-1	3-Chloropropene	16.	U	16.	U	16.	U	16.	U	16.	U	16.	UJ
75-05-8	Acetonitrile	210.	UJ	220.	U	210.	UJ	220.	UJ	210.	UJ	220.	U
107-13-1	Acrylonitrile	220.	UJ	230.	U	220.	UJ	230.	UJ	220.	UJ	230.	UJ
108-05-4	Vinyl acetate	21.	UJ	22.	U	21.	UJ	22.	UJ	21.	UJ	22.	U
107-12-0	Propionitrile	620.	UJ	640.	U	620.	UJ	650.	UJ	620.	UJ	640.	U
126-98-7	Methacrylonitrile	21.	UJ	22.	UJ	21.	UJ	22.	UJ	21.	UJ	22.	UJ
4170-30-3	Crotonaldehyde	580.	UR	600.	UR	580.	UR	600.	UR	580.	UR	600.	UR
78-83-1	Isobutyl alcohol	14000.	UR	14000.	UR	14000.	UR	14000.	UR	14000.	UR	14000.	UR
74-95-3	Methylene bromide	21.	U	22.	U	21.	U	22.	U	21.	U	22.	U
80-62-6	Methyl methacrylate	53.	UJ	54.	UJ	53.	UJ	55.	UJ	53.	UJ	54.	UJ
123-91-1	1,4-Dioxane	54000.	UR	55000.	UR	54000.	UR	56000.	UR	54000.	UR	55000.	UR
110-75-8	2-Chloroethyl vinyl ether	16.	UR	16.	UR	16.	UR	16.	UR	16.	UR	16.	UR
97-63-2	Ethyl methacrylate	26.	UJ	27.	U	26.	UJ	27.	UJ	26.	UJ	27.	UJ
106-93-4	1, 2-Dibromoethane	21.	U	22.	U	21.	U	22.	U	21.	U	22.	U
630-20-6	1,1,1,2-Tetrachloroethane	21.	U	22.	U	21.	U	22.	U	21.	U	22.	UJ
1476-11-5	Cis-1,4-Dichloro-2-Butene	21.	U	22.	U	21.	U	22.	U	21.	U	22.	U
96-18-4	1,2,3-Trichloropropane	21.	UJ	22.	U	21.	UJ	22.	UJ	21.	UJ	22.	U
110-57-6	trans-1,4-Dichloro-2-butene	21.	UJ	22.	U	21.	UJ	22.	UJ	21.	UJ	22.	UJ
96-12-8	1,2-Dibromo-3-Chloropropane	53.	UJ	54.	U	53.	UJ	55.	UJ	53.	UJ	54.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA						
SAMPLE ID ------->	515-S-B004-02	515-S-B005-01	515-S-B005-02	515-S-B006-01	515-S-B006-02	515-C-B006-02
ORIGINAL ID ----->	515SB00402	515SB00501	515SB00502	515SB00601	515SB00602	515CB00602
LAB SAMPLE ID --->	704378	704384	704390	704202	704213	704229
ID FROM REPORT -->	515SB00402	515SB00501	515SB00502	515SB00601	515SB00602	515CB00602
SAMPLE DATE ----->	04/18/95	04/18/95	04/18/95	04/18/95	04/18/95	04/18/95
DATE ANALYZED --->	04/28/95	04/28/95	04/28/95	04/27/95	04/27/95	04/27/95
MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0012V	VAL	0012V	VAL	0012V	VAL	0012V	VAL	0012V	VAL	0012V	VAL
74-87-3	Chloromethane	44.	U	38.	U	37.	U	38.	U	37.	U	37.	U
74-83-9	Bromomethane	25.	U	22.	U	21.	U	22.	U	21.	U	21.	U
75-01-4	Vinyl chloride	25.	U	22.	U	21.	U	22.	U	21.	U	21.	U
75-00-3	Chloroethane	25.	U	22.	U	21.	U	22.	U	21.	U	21.	U
75-09-2	Methylene chloride	36.	UJ	22.	UJ	22.	UJ	32.	U	32.	U	24.	U
67-64-1	Acetone	44.	UJ	38.	UJ	37.	UJ	49.	U	37.	U	37.	U
75-15-0	Carbon disulfide	13.	U	11.	U	11.	U	11.	U	11.	U	11.	U
75-35-4	1,1-Dichloroethene	25.	U	22.	U	21.	U	22.	U	21.	U	21.	UJ
75-34-3	1,1-Dichloroethane	19.	U	16.	U	16.	U	16.	U	16.	U	16.	U
540-59-0	1,2-Dichloroethene (total)	57.	U	49.	U	48.	U	49.	U	48.	U	48.	U
67-66-3	Chloroform	19.	U	16.	U	16.	U	16.	U	16.	U	16.	U
107-06-2	1,2-Dichloroethane	13.	U	11.	U	11.	U	11.	U	11.	U	11.	U
78-93-3	2-Butanone (MEK)	44.	UJ	38.	UJ	37.	UJ	38.	UJ	37.	UJ	37.	UJ
71-55-6	1,1,1-Trichloroethane	25.	UJ	22.	UJ	21.	UJ	22.	UJ	21.	UJ	21.	UJ
56-23-5	Carbon tetrachloride	19.	UJ	16.	UJ	16.	UJ	16.	UJ	16.	UJ	16.	UJ
75-27-4	Bromodichloromethane	25.	U	22.	U	21.	U	22.	U	21.	U	21.	U
78-87-5	1,2-Dichloropropane	25.	U	22.	U	21.	U	22.	U	21.	U	21.	U
10061-01-5	cis-1,3-Dichloropropene	13.	U	11.	U	11.	U	11.	U	11.	U	11.	U
79-01-6	Trichloroethene	25.	U	22.	U	21.	U	22.	U	21.	U	21.	U
124-48-1	Dibromochloromethane	19.	U	16.	U	16.	U	16.	UJ	16.	UJ	16.	UJ
79-00-5	1,1,2-Trichloroethane	19.	U	16.	U	16.	U	16.	U	16.	U	16.	U
71-43-2	Benzene	19.	U	16.	U	16.	U	16.	U	16.	U	16.	U
10061-02-6	trans-1,3-Dichloropropene	19.	U	16.	U	16.	U	16.	U	16.	U	16.	U
75-25-2	Bromoform	19.	U	16.	U	16.	U	16.	U	16.	U	16.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	32.	UJ	27.	UJ	27.	UJ	27.	UJ	27.	UJ	27.	UJ
591-78-6	2-Hexanone	44.	UJ	38.	UJ	37.	UJ	38.	UJ	37.	UJ	37.	UJ
127-18-4	Tetrachloroethene	19.	U	16.	U	16.	U	16.	U	16.	U	16.	U
79-34-5	1,1,2,2-Tetrachloroethane	13.	UJ	11.	UJ	11.	UJ	11.	UJ	11.	UJ	11.	UJ
108-88-3	Toluene	19.	U	16.	U	16.	U	16.	U	16.	U	16.	U
108-90-7	Chlorobenzene	19.	U	16.	U	16.	U	16.	U	16.	U	16.	U
100-41-4	Ethylbenzene	19.	U	16.	U	16.	U	16.	U	16.	U	16.	U
100-42-5	Styrene	13.	U	11.	U	11.	U	11.	U	11.	U	11.	U
1330-20-7	Xylene (Total)	25.	U	22.	U	21.	U	22.	U	21.	U	21.	U
107-02-8	Acrolein	290.	UJ	250.	UJ	240.	UJ	250.	UJ	240.	UJ	240.	UJ
354-58-5	1,1,1-trichloro-2,2,2-trifluoromethane	19.	U	16.	U	16.	U	16.	U	16.	U	16.	U
75-69-4	Trichlorofluoromethane	25.	UJ	22.	UJ	21.	UJ	22.	UJ	21.	UJ	21.	UJ
76-13-1	Trichlorotrifluoroethane (Freon 113)	13.	U	11.	U	11.	U	11.	U	11.	U	11.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA												
	SAMPLE ID ------>	515-S-B004-02		515-S-B005-01		515-S-B005-02		515-S-B006-01		515-S-B006-02		515-C-B006-02	
	ORIGINAL ID ----->	515SB00402		515SB00501		515SB00502		515SB00601		515SB00602		515CB00602	
	LAB SAMPLE ID --->	704378		704384		704390		704202		704213		704229	
	ID FROM REPORT -->	515SB00402		515SB00501		515SB00502		515SB00601		515SB00602		515CB00602	
	SAMPLE DATE ----->	04/18/95		04/18/95		04/18/95		04/18/95		04/18/95		04/18/95	
	DATE ANALYZED --->	04/28/95		04/28/95		04/28/95		04/27/95		04/27/95		04/27/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0012V	VAL	0012V	VAL	0012V	VAL	0012V	VAL	0012V	VAL	0012V	VAL
74-88-4	Methyl iodide	13.	U	11.	U	11.	U	11.	U	11.	U	11.	U
107-05-1	3-Chloropropene	19.	UJ	16.	UJ	16.	UJ	16.	U	16.	U	16.	U
75-05-8	Acetonitrile	250.	U	220.	U	210.	U	220.	UJ	210.	UJ	210.	UJ
107-13-1	Acrylonitrile	270.	UJ	230.	UJ	220.	UJ	230.	UJ	220.	UJ	220.	UJ
108-05-4	Vinyl acetate	25.	U	22.	U	21.	U	22.	UJ	21.	UJ	21.	UJ
107-12-0	Propionitrile	750.	U	650.	U	630.	U	650.	UJ	630.	UJ	630.	UJ
126-98-7	Methacrylonitrile	25.	UJ	22.	UJ	21.	UJ	22.	UJ	21.	UJ	21.	UJ
4170-30-3	Crotonaldehyde	700.	UR	600.	UR	590.	UR	600.	UR	590.	UR	590.	UR
78-83-1	Isobutyl alcohol	16000.	UR	14000.	UR	14000.	UR	14000.	UR	14000.	UR	14000.	UR
74-95-3	Methylene bromide	25.	U	22.	U	21.	U	22.	U	21.	U	21.	U
80-62-6	Methyl methacrylate	63.	UJ	55.	UJ	53.	UJ	55.	UJ	53.	UJ	53.	UJ
123-91-1	1,4-Dioxane	65000.	UR	56000.	UR	54000.	UR	56000.	UR	54000.	UR	54000.	UR
110-75-8	2-Chloroethyl vinyl ether	19.	UR	16.	UR	16.	UR	16.	UR	16.	UR	16.	UR
97-63-2	Ethyl methacrylate	32.	UJ	27.	UJ	27.	UJ	27.	UJ	27.	UJ	27.	UJ
106-93-4	1, 2-Dibromoethane	25.	U	22.	U	21.	U	22.	U	21.	U	21.	U
630-20-6	1,1,1,2-Tetrachloroethane	25.	UJ	22.	UJ	21.	UJ	22.	U	21.	U	21.	U
1476-11-5	Cis-1,4-Dichloro-2-Butene	25.	U	22.	U	21.	U	22.	U	21.	U	21.	U
96-18-4	1,2,3-Trichloropropane	25.	U	22.	U	21.	U	22.	UJ	21.	UJ	21.	UJ
110-57-6	trans-1,4-Dichloro-2-butene	25.	UJ	22.	UJ	21.	UJ	22.	UJ	21.	UJ	21.	UJ
96-12-8	1,2-Dibromo-3-Chloropropane	63.	U	55.	U	53.	U	55.	UJ	53.	UJ	53.	UJ

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA	SAMPLE ID ------>	516-S-B001-01	516-S-B001-02	516-S-B002-01	516-S-B002-02	517-S-B001-01	517-S-B001-02
	ORIGINAL ID ----->	516SB00101	516SB00102	516SB00201	516SB00202	517SB00101	517SB00102
	LAB SAMPLE ID --->	699048	699061	699067	699073	698364	698369
	ID FROM REPORT -->	516SB00101	516SB00102	516SB00201	516SB00202	517SB00101	517SB00102
	SAMPLE DATE ----->	04/05/95	04/05/95	04/05/95	04/05/95	04/04/95	04/04/95
	DATE ANALYZED --->	04/17/95	04/17/95	04/17/95	04/17/95	04/14/95	04/14/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0005V	VAL	0005V	VAL	0005V	VAL	0005V	VAL	0004V	VAL	0004V	VAL
74-87-3	Chloromethane	39.	U	40.	U	38.	U	40.	U	37.	U	38.	U
74-83-9	Bromomethane	22.	U	23.	U	22.	U	23.	U	21.	U	22.	U
75-01-4	Vinyl chloride	22.	U	23.	U	22.	U	23.	U	21.	U	22.	U
75-00-3	Chloroethane	22.	U	23.	U	22.	U	23.	U	21.	U	22.	U
75-09-2	Methylene chloride	22.	U	23.	U	22.	U	23.	U	21.	UJ	22.	UJ
67-64-1	Acetone	76.	J	17.	J	11.	J	16.	J	95.	UJ	97.	U
75-15-0	Carbon disulfide	11.	U	11.	U	11.	U	11.	U	11.	UJ	11.	U
75-35-4	1,1-Dichloroethene	22.	U	23.	U	22.	U	23.	U	21.	U	22.	U
75-34-3	1,1-Dichloroethane	17.	U	17.	U	16.	U	17.	U	16.	U	16.	U
540-59-0	1,2-Dichloroethene (total)	51.	U	52.	U	49.	U	52.	U	47.	U	48.	U
67-66-3	Chloroform	17.	U	17.	U	16.	U	17.	U	16.	U	16.	U
107-06-2	1,2-Dichloroethane	11.	U	11.	U	11.	U	11.	U	11.	U	11.	U
78-93-3	2-Butanone (MEK)	39.	U	40.	U	38.	U	40.	U	37.	U	38.	U
71-55-6	1,1,1-Trichloroethane	22.	U	23.	U	22.	U	23.	U	21.	U	22.	U
56-23-5	Carbon tetrachloride	17.	U	17.	U	16.	U	17.	U	16.	U	16.	U
75-27-4	Bromodichloromethane	22.	U	23.	U	22.	U	23.	U	21.	U	22.	U
78-87-5	1,2-Dichloropropane	22.	U	23.	U	22.	U	23.	U	21.	U	22.	U
10061-01-5	cis-1,3-Dichloropropene	11.	U	11.	U	11.	U	11.	U	11.	U	11.	UJ
79-01-6	Trichloroethene	22.	U	23.	U	22.	U	23.	U	21.	U	22.	U
124-48-1	Dibromochloromethane	17.	U	17.	U	16.	U	17.	U	16.	U	16.	U
79-00-5	1,1,2-Trichloroethane	17.	U	17.	U	16.	U	17.	U	16.	U	16.	U
71-43-2	Benzene	17.	U	17.	U	16.	U	17.	U	16.	U	16.	U
10061-02-6	trans-1,3-Dichloropropene	17.	U	17.	U	16.	U	17.	U	16.	U	16.	UJ
75-25-2	Bromoform	17.	U	17.	U	16.	U	17.	U	16.	U	16.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	28.	U	29.	U	27.	U	29.	U	26.	U	27.	U
591-78-6	2-Hexanone	39.	U	40.	U	38.	U	40.	U	37.	U	38.	U
127-18-4	Tetrachloroethene	17.	U	17.	U	16.	U	17.	U	16.	U	16.	U
79-34-5	1,1,2,2-Tetrachloroethane	11.	U	11.	U	11.	U	11.	U	11.	U	11.	U
108-88-3	Toluene	17.	U	17.	U	16.	U	17.	U	16.	U	16.	U
108-90-7	Chlorobenzene	17.	U	17.	U	16.	U	17.	U	16.	U	16.	U
100-41-4	Ethylbenzene	17.	U	17.	U	16.	U	17.	U	16.	U	16.	U
100-42-5	Styrene	11.	U	11.	U	11.	U	11.	U	11.	U	11.	U
1330-20-7	Xylene (Total)	22.	U	23.	U	22.	U	23.	U	21.	U	22.	U
107-02-8	Acrolein	260.	U	260.	U	250.	U	260.	U	240.	U	250.	U
354-58-5	1,1,1-trichloro-2,2,2-trifluoromethane	17.	U	17.	U	16.	U	17.	U	16.	U	16.	U
75-69-4	Trichlorofluoromethane	22.	U	23.	U	22.	U	23.	U	21.	U	22.	U
76-13-1	Trichlorotrifluoroethane (Freon 113)	11.	U	11.	U	11.	U	11.	U	11.	U	11.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA													
	SAMPLE ID ------>	516-S-B001-01		516-S-B001-02		516-S-B002-01		516-S-B002-02		517-S-B001-01		517-S-B001-02	
	ORIGINAL ID ----->	516SB00101		516SB00102		516SB00201		516SB00202		517SB00101		517SB00102	
	LAB SAMPLE ID --->	699048		699061		699067		699073		698364		698369	
	ID FROM REPORT -->	516SB00101		516SB00102		516SB00201		516SB00202		517SB00101		517SB00102	
	SAMPLE DATE ----->	04/05/95		04/05/95		04/05/95		04/05/95		04/04/95		04/04/95	
	DATE ANALYZED --->	04/17/95		04/17/95		04/17/95		04/17/95		04/14/95		04/14/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0005V	VAL	0005V	VAL	0005V	VAL	0005V	VAL	0004V	VAL	0004V	VAL
74-88-4	Methyl iodide	11.	U	11.	U	11.	U	11.	U	11.	U	11.	U
107-05-1	3-Chloropropene	17.	U	17.	U	16.	U	17.	U	16.	U	16.	U
75-05-8	Acetonitrile	220.	U	230.	U	220.	U	230.	U	210.	U	220.	U
107-13-1	Acrylonitrile	240.	U	240.	U	230.	U	240.	U	220.	U	230.	U
108-05-4	Vinyl acetate	22.	U	23.	U	22.	U	23.	U	21.	U	22.	U
107-12-0	Propionitrile	660.	U	680.	U	640.	U	680.	U	620.	U	630.	U
126-98-7	Methacrylonitrile	22.	U	23.	U	22.	U	23.	U	21.	U	22.	U
4170-30-3	Crotonaldehyde	620.	UR	630.	UR	600.	UR	630.	UR	580.	UR	590.	UR
78-83-1	Isobutyl alcohol	15000.	UR	15000.	UR	14000.	UR	15000.	UR	14000.	UR	14000.	UR
74-95-3	Methylene bromide	22.	U	23.	U	22.	U	23.	U	21.	U	22.	U
80-62-6	Methyl methacrylate	56.	U	57.	U	54.	U	57.	U	53.	UJ	54.	U
123-91-1	1,4-Dioxane	57000.	UR	59000.	UR	55000.	UR	59000.	UR	54000.	UR	55000.	UR
110-75-8	2-Chloroethyl vinyl ether	17.	UR	17.	UR	16.	UR	17.	UR	16.	UR	16.	UR
97-63-2	Ethyl methacrylate	28.	U	29.	U	27.	U	29.	U	26.	U	27.	U
106-93-4	1, 2-Dibromoethane	22.	U	23.	U	22.	U	23.	U	21.	U	22.	U
630-20-6	1,1,1,2-Tetrachloroethane	22.	U	23.	U	22.	U	23.	U	21.	U	22.	U
1476-11-5	Cis-1,4-Dichloro-2-Butene	22.	U	23.	U	22.	U	23.	U	21.	U	22.	U
96-18-4	1,2,3-Trichloropropane	22.	U	23.	U	22.	U	23.	U	21.	U	22.	U
110-57-6	trans-1,4-Dichloro-2-butene	22.	U	23.	U	22.	U	23.	U	21.	U	22.	U
96-12-8	1,2-Dibromo-3-Chloropropane	56.	U	57.	U	54.	U	57.	U	53.	U	54.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA																							
	SAMPLE ID ------>	517-S-B002-01				517-S-B002-02				517-C-B002-02				517-S-B003-01				517-S-B003-02				517-S-B004-01			
	ORIGINAL ID ----->	517SB00201				517SB00202				517CB00202				517SB00301				517SB00302				517SB00401			
	LAB SAMPLE ID --->	698346				698351				698356				698336				698341				698309			
	ID FROM REPORT -->	517SB00201				517SB00202				517CB00202				517SB00301				517SB00302				517SB00401			
	SAMPLE DATE ----->	04/04/95				04/04/95				04/04/95				04/04/95				04/04/95				04/04/95			
	DATE ANALYZED --->	04/14/95				04/14/95				04/14/95				04/14/95				04/14/95				04/14/95			
	MATRIX ---------->	Soil				Soil				Soil				Soil				Soil				Soil			
	UNITS ----------->	UG/KG				UG/KG				UG/KG				UG/KG				UG/KG				UG/KG			
CAS #	Parameter	0004V		VAL		0004V		VAL		0004V		VAL		0004V		VAL		0004V		VAL		0004V		VAL	
74-87-3	Chloromethane	36.		U		37.		U		37.		U		36.		U		37.		U		37.		U	
74-83-9	Bromomethane	21.		U		21.		U		21.		U		21.		U		21.		U		21.		U	
75-01-4	Vinyl chloride	21.		U		21.		U		21.		U		21.		U		21.		U		21.		U	
75-00-3	Chloroethane	21.		U		21.		U		21.		U		21.		U		21.		U		21.		U	
75-09-2	Methylene chloride	21.		UJ		21.		UJ		21.		UJ		21.		UJ		21.		UJ		21.		UJ	
67-64-1	Acetone	93.		UJ		96.		UJ		96.		UJ		94.		UJ		96.		UJ		96.		UJ	
75-15-0	Carbon disulfide	10.		UJ		11.		UJ		11.		UJ		10.		UJ		11.		UJ		11.		UJ	
75-35-4	1,1-Dichloroethene	21.		U		21.		U		21.		U		21.		U		21.		U		21.		U	
75-34-3	1,1-Dichloroethane	15.		U		16.		U		16.		U		16.		U		16.		U		16.		U	
540-59-0	1,2-Dichloroethene (total)	46.		U		48.		U		48.		U		47.		U		48.		U		48.		U	
67-66-3	Chloroform	15.		U		16.		U		16.		U		16.		U		16.		U		16.		U	
107-06-2	1,2-Dichloroethane	10.		U		11.		U		11.		U		10.		U		11.		U		11.		U	
78-93-3	2-Butanone (MEK)	36.		U		37.		U		37.		U		36.		U		37.		U		37.		U	
71-55-6	1,1,1-Trichloroethane	21.		U		21.		U		21.		U		21.		U		21.		U		21.		U	
56-23-5	Carbon tetrachloride	15.		U		16.		U		16.		U		16.		U		16.		U		16.		U	
75-27-4	Bromodichloromethane	21.		U		21.		U		21.		U		21.		U		21.		U		21.		U	
78-87-5	1,2-Dichloropropane	21.		U		21.		U		21.		U		21.		U		21.		U		21.		U	
10061-01-5	cis-1,3-Dichloropropene	10.		U		11.		U		11.		U		10.		U		11.		U		11.		U	
79-01-6	Trichloroethene	21.		U		21.		U		21.		U		21.		U		21.		U		21.		U	
124-48-1	Dibromochloromethane	15.		U		16.		U		16.		U		16.		U		16.		U		16.		U	
79-00-5	1,1,2-Trichloroethane	15.		U		16.		U		16.		U		16.		U		16.		U		16.		U	
71-43-2	Benzene	15.		U		16.		U		16.		U		16.		U		16.		U		16.		U	
10061-02-6	trans-1,3-Dichloropropene	15.		U		16.		U		16.		U		16.		U		16.		U		16.		U	
75-25-2	Bromoform	15.		U		16.		U		16.		U		16.		U		16.		U		16.		U	
108-10-1	4-Methyl-2-Pentanone (MIBK)	26.		U		27.		U		27.		U		26.		U		27.		U		27.		U	
591-78-6	2-Hexanone	36.		U		37.		U		37.		U		36.		U		37.		U		37.		U	
127-18-4	Tetrachloroethene	15.		U		16.		U		16.		U		16.		U		16.		U		16.		U	
79-34-5	1,1,2,2-Tetrachloroethane	10.		U		11.		U		11.		U		10.		U		11.		U		11.		U	
108-88-3	Toluene	15.		U		16.		U		16.		U		16.		U		16.		U		16.		U	
108-90-7	Chlorobenzene	15.		U		16.		U		16.		U		16.		U		16.		U		16.		U	
100-41-4	Ethylbenzene	15.		U		16.		U		16.		U		16.		U		16.		U		16.		U	
100-42-5	Styrene	10.		U		11.		U		11.		U		10.		U		11.		U		11.		U	
1330-20-7	Xylene (Total)	21.		U		21.		U		21.		U		21.		U		21.		U		21.		U	
107-02-8	Acrolein	240.		U		240.		U		240.		U		240.		U		240.		U		240.		U	
354-58-5	1,1,1-trichloro-2,2,2-trifluoromethane	15.		U		16.		U		16.		U		16.		U		16.		U		16.		U	
75-69-4	Trichlorofluoromethane	21.		U		21.		U		21.		U		21.		U		21.		U		21.		U	
76-13-1	Trichlorotrifluoroethane (Freon 113)	10.		U		11.		U		11.		U		10.		U		11.		U		11.		U	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA												
	SAMPLE ID ------->	517-S-B002-01		517-S-B002-02		517-C-B002-02		517-S-B003-01		517-S-B003-02		517-S-B004-01	
	ORIGINAL ID ----->	517SB00201		517SB00202		517CB00202		517SB00301		517SB00302		517SB00401	
	LAB SAMPLE ID --->	698346		698351		698356		698336		698341		698309	
	ID FROM REPORT -->	517SB00201		517SB00202		517CB00202		517SB00301		517SB00302		517SB00401	
	SAMPLE DATE ----->	04/04/95		04/04/95		04/04/95		04/04/95		04/04/95		04/04/95	
	DATE ANALYZED --->	04/14/95		04/14/95		04/14/95		04/14/95		04/14/95		04/14/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0004V	VAL	0004V	VAL	0004V	VAL	0004V	VAL	0004V	VAL	0004V	VAL
74-88-4	Methyl iodide	10.	U	11.	U	11.	U	10.	U	11.	U	11.	U
107-05-1	3-Chloropropene	15.	U	16.	U	16.	U	16.	U	16.	U	16.	U
75-05-8	Acetonitrile	210.	U	210.	U	210.	U	210.	U	210.	U	210.	U
107-13-1	Acrylonitrile	220.	U	220.	U	220.	U	220.	U	220.	U	220.	U
108-05-4	Vinyl acetate	21.	U	21.	U	21.	U	21.	U	21.	U	21.	U
107-12-0	Propionitrile	610.	U	630.	U	630.	U	610.	U	630.	U	630.	U
126-98-7	Methacrylonitrile	21.	U	21.	U	21.	U	21.	U	21.	U	21.	U
4170-30-3	Crotonaldehyde	570.	UR	590.	UR	590.	UR	570.	UR	590.	UR	590.	UR
78-83-1	Isobutyl alcohol	13000.	UR	14000.	UR	14000.	UR	14000.	UR	14000.	UR	14000.	UR
74-95-3	Methylene bromide	21.	U	21.	U	21.	U	21.	U	21.	U	21.	U
80-62-6	Methyl methacrylate	52.	UJ	53.	UJ	53.	UJ	52.	UJ	53.	UJ	53.	UJ
123-91-1	1,4-Dioxane	53000.	UR	54000.	UR	54000.	UR	53000.	UR	54000.	UR	54000.	UR
110-75-8	2-Chloroethyl vinyl ether	15.	UR	16.	UR	16.	UR	16.	UR	16.	UR	16.	UR
97-63-2	Ethyl methacrylate	26.	U	27.	U	27.	U	26.	U	27.	U	27.	U
106-93-4	1, 2-Dibromoethane	21.	U	21.	U	21.	U	21.	U	21.	U	21.	U
630-20-6	1,1,1,2-Tetrachloroethane	21.	U	21.	U	21.	U	21.	U	21.	U	21.	U
1476-11-5	Cis-1,4-Dichloro-2-Butene	21.	U	21.	U	21.	U	21.	U	21.	U	21.	U
96-18-4	1,2,3-Trichloropropane	21.	U	21.	U	21.	U	21.	U	21.	U	21.	U
110-57-6	trans-1,4-Dichloro-2-butene	21.	U	21.	U	21.	U	21.	U	21.	U	21.	U
96-12-8	1,2-Dibromo-3-Chloropropane	52.	U	53.	U	53.	U	52.	U	53.	U	53.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA	SAMPLE ID ------->	517-S-B004-02		517-S-B005-01		517-S-B005-02		518-S-B001-01		518-S-B001-02		518-S-B002-01	
	ORIGINAL ID ----->	517SB00402		517SB00501		517SB00502		518SB00101		518SB00102		518SB00201	
	LAB SAMPLE ID --->	698317		698322		698331		699020		699025		698958	
	ID FROM REPORT -->	517SB00402		517SB00501		517SB00502		518SB00101		518SB00102		518SB00201	
	SAMPLE DATE ----->	04/04/95		04/04/95		04/04/95		04/05/95		04/05/95		04/05/95	
	DATE ANALYZED --->	04/14/95		04/14/95		04/14/95		04/19/95		04/14/95		04/17/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0004V	VAL	0004V	VAL	0004V	VAL	0005V	VAL	0005V	VAL	0005V	VAL
74-87-3	Chloromethane	37.	U	37.	U	38.	U	42.	U	37.	U	37.	U
74-83-9	Bromomethane	21.	U	21.	U	22.	U	24.	U	21.	U	21.	U
75-01-4	Vinyl chloride	21.	U	21.	U	22.	U	24.	U	21.	U	21.	U
75-00-3	Chloroethane	21.	U	21.	U	22.	U	24.	U	21.	U	21.	U
75-09-2	Methylene chloride	21.	UJ	24.	UJ	22.	UJ	25.	UJ	21.	UJ	21.	UJ
67-64-1	Acetone	96.	UJ	28.	J	97.	UJ	34.	J	15.	J	96.	U
75-15-0	Carbon disulfide	11.	UJ	11.	UJ	11.	UJ	12.	U	11.	U	11.	U
75-35-4	1,1-Dichloroethene	21.	U	21.	U	22.	U	24.	U	21.	U	21.	U
75-34-3	1,1-Dichloroethane	16.	U	16.	U	16.	U	18.	U	16.	U	16.	U
540-59-0	1,2-Dichloroethene (total)	48.	U	47.	U	48.	U	54.	U	47.	U	48.	U
67-66-3	Chloroform	16.	U	16.	U	16.	U	18.	U	16.	U	16.	U
107-06-2	1,2-Dichloroethane	11.	U	11.	U	11.	U	12.	U	11.	U	11.	U
78-93-3	2-Butanone (MEK)	37.	U	37.	U	38.	U	42.	U	37.	U	37.	U
71-55-6	1,1,1-Trichloroethane	21.	U	21.	U	22.	U	24.	U	21.	U	21.	U
56-23-5	Carbon tetrachloride	16.	U	16.	U	16.	U	18.	U	16.	U	16.	U
75-27-4	Bromodichloromethane	21.	U	21.	U	22.	U	24.	U	21.	U	21.	U
78-87-5	1,2-Dichloropropane	21.	U	21.	U	22.	U	24.	U	21.	U	21.	U
10061-01-5	cis-1,3-Dichloropropene	11.	U	11.	U	11.	U	12.	U	11.	UJ	11.	U
79-01-6	Trichloroethene	21.	U	21.	U	22.	U	24.	U	21.	U	21.	U
124-48-1	Dibromochloromethane	16.	U	16.	U	16.	U	18.	U	16.	U	16.	U
79-00-5	1,1,2-Trichloroethane	16.	U	16.	U	16.	U	18.	U	16.	U	16.	U
71-43-2	Benzene	16.	U	16.	U	16.	U	18.	U	16.	U	16.	U
10061-02-6	trans-1,3-Dichloropropene	16.	U	16.	U	16.	U	18.	U	16.	UJ	16.	U
75-25-2	Bromoform	16.	U	16.	U	16.	U	18.	UJ	16.	U	16.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	27.	U	26.	U	27.	U	30.	U	26.	U	27.	U
591-78-6	2-Hexanone	37.	U	37.	U	38.	U	42.	U	37.	U	37.	U
127-18-4	Tetrachloroethene	16.	U	16.	U	16.	U	18.	U	16.	U	16.	U
79-34-5	1,1,2,2-Tetrachloroethane	11.	U	11.	U	11.	U	12.	U	11.	U	11.	U
108-88-3	Toluene	16.	U	16.	U	16.	U	18.	U	16.	U	1.	J
108-90-7	Chlorobenzene	16.	U	16.	U	16.	U	18.	U	16.	U	16.	U
100-41-4	Ethylbenzene	16.	U	16.	U	16.	U	18.	U	16.	U	16.	U
100-42-5	Styrene	11.	U	11.	U	11.	U	12.	U	11.	U	11.	U
1330-20-7	Xylene (Total)	21.	U	21.	U	22.	U	24.	U	21.	U	21.	U
107-02-8	Acrolein	240.	U	240.	U	250.	U	270.	U	240.	U	240.	U
354-58-5	1,1,1-trichloro-2,2,2-trifluoromethane	16.	U	16.	U	16.	U	18.	U	16.	U	16.	U
75-69-4	Trichlorofluoromethane	21.	U	21.	U	22.	U	24.	U	21.	U	21.	U
76-13-1	Trichlorotrifluoroethane (Freon 113)	11.	U	11.	U	11.	U	12.	U	11.	U	11.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA													
	SAMPLE ID ------>	517-S-B004-02		517-S-B005-01		517-S-B005-02		518-S-B001-01		518-S-B001-02		518-S-B002-01	
	ORIGINAL ID ----->	517SB00402		517SB00501		517SB00502		518SB00101		518SB00102		518SB00201	
	LAB SAMPLE ID --->	698317		698322		698331		699020		699025		698958	
	ID FROM REPORT -->	517SB00402		517SB00501		517SB00502		518SB00101		518SB00102		518SB00201	
	SAMPLE DATE ----->	04/04/95		04/04/95		04/04/95		04/05/95		04/05/95		04/05/95	
	DATE ANALYZED --->	04/14/95		04/14/95		04/14/95		04/19/95		04/14/95		04/17/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0004V	VAL	0004V	VAL	0004V	VAL	0005V	VAL	0005V	VAL	0005V	VAL
74-88-4	Methyl iodide	11.	U	11.	U	11.	U	12.	U	11.	U	11.	U
107-05-1	3-Chloropropene	16.	U	16.	U	16.	U	18.	U	16.	U	16.	U
75-05-8	Acetonitrile	210.	U	210.	U	220.	U	240.	U	210.	U	210.	U
107-13-1	Acrylonitrile	220.	U	220.	U	230.	U	250.	U	220.	U	220.	U
108-05-4	Vinyl acetate	21.	U	21.	U	22.	U	24.	U	21.	U	21.	U
107-12-0	Propionitrile	630.	U	620.	U	630.	U	700.	U	620.	U	630.	U
126-98-7	Methacrylonitrile	21.	U	21.	U	22.	U	24.	UJ	21.	U	21.	U
4170-30-3	Crotonaldehyde	590.	UR	580.	UR	590.	UR	650.	UR	580.	UR	590.	UR
78-83-1	Isobutyl alcohol	14000.	UR	14000.	UR	14000.	UR	15000.	UR	14000.	UR	14000.	UR
74-95-3	Methylene bromide	21.	U	21.	U	22.	U	24.	U	21.	U	21.	U
80-62-6	Methyl methacrylate	53.	UJ	53.	UJ	54.	UJ	60.	UJ	53.	U	53.	U
123-91-1	1,4-Dioxane	54000.	UR	54000.	UR	55000.	UR	61000.	UR	54000.	UR	54000.	UR
110-75-8	2-Chloroethyl vinyl ether	16.	UR	16.	UR	16.	UR	18.	UR	16.	UR	16.	UR
97-63-2	Ethyl methacrylate	27.	U	26.	U	27.	U	30.	U	26.	U	27.	U
106-93-4	1, 2-Dibromoethane	21.	U	21.	U	22.	U	24.	U	21.	U	21.	U
630-20-6	1,1,1,2-Tetrachloroethane	21.	U	21.	U	22.	U	24.	U	21.	U	21.	U
1476-11-5	Cis-1,4-Dichloro-2-Butene	21.	U	21.	U	22.	U	24.	U	21.	U	21.	U
96-18-4	1,2,3-Trichloropropane	21.	U	21.	U	22.	U	24.	U	21.	U	21.	U
110-57-6	trans-1,4-Dichloro-2-butene	21.	U	21.	U	22.	U	24.	U	21.	U	21.	U
96-12-8	1,2-Dibromo-3-Chloropropane	53.	U	53.	U	54.	U	60.	U	53.	U	53.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA	SAMPLE ID ------>	518-S-B002-02	518-S-B003-01	518-S-B003-02	518-S-B004-01	518-C-B004-01	518-S-B004-02
	ORIGINAL ID ----->	518SB00202	518SB00301	518SB00302	518SB00401	518CB00401	518SB00402
	LAB SAMPLE ID --->	698976	699005	699012	698992	699030	698998
	ID FROM REPORT -->	518SB00202	518SB00301	518SB00302	518SB00401	518CB00401	518SB00402
	SAMPLE DATE ----->	04/05/95	04/05/95	04/05/95	04/05/95	04/05/95	04/05/95
	DATE ANALYZED --->	04/17/95	04/19/95	04/19/95	04/16/95	04/17/95	04/17/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0005V	VAL	0005V	VAL	0005V	VAL	0004V	VAL	0005V	VAL	0005V	VAL
74-87-3	Chloromethane	38.	U	37.	U	38.	U	36.	U	37.	U	37.	U
74-83-9	Bromomethane	22.	U	21.	U	22.	U	21.	U	21.	U	21.	U
75-01-4	Vinyl chloride	22.	U	21.	U	22.	U	21.	U	21.	U	21.	U
75-00-3	Chloroethane	22.	U	21.	U	22.	U	21.	U	21.	U	21.	U
75-09-2	Methylene chloride	22.	U	40.	UJ	22.	UJ	12.	J	21.	U	21.	U
67-64-1	Acetone	38.	J	96.	UJ	101.	UJ	94.	U	95.	U	48.	J
75-15-0	Carbon disulfide	11.	U	11.	U	11.	U	10.	U	11.	U	11.	U
75-35-4	1,1-Dichloroethene	22.	U	21.	U	22.	U	21.	U	21.	U	21.	U
75-34-3	1,1-Dichloroethane	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
540-59-0	1,2-Dichloroethene (total)	48.	U	47.	U	48.	U	47.	U	47.	U	48.	U
67-66-3	Chloroform	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
107-06-2	1,2-Dichloroethane	11.	U	11.	U	11.	U	10.	U	11.	U	11.	U
78-93-3	2-Butanone (MEK)	38.	U	37.	U	38.	U	36.	U	37.	U	37.	U
71-55-6	1,1,1-Trichloroethane	22.	U	21.	U	22.	U	21.	U	21.	U	21.	U
56-23-5	Carbon tetrachloride	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
75-27-4	Bromodichloromethane	22.	U	21.	U	22.	U	21.	U	21.	U	21.	U
78-87-5	1,2-Dichloropropane	22.	U	21.	U	22.	U	21.	U	21.	U	21.	U
10061-01-5	cis-1,3-Dichloropropene	11.	U	11.	U	11.	U	10.	U	11.	U	11.	U
79-01-6	Trichloroethene	22.	U	21.	U	22.	U	21.	U	21.	U	21.	U
124-48-1	Dibromochloromethane	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
79-00-5	1,1,2-Trichloroethane	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
71-43-2	Benzene	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
10061-02-6	trans-1,3-Dichloropropene	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
75-25-2	Bromoform	16.	U	16.	UJ	16.	UJ	16.	U	16.	U	16.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	27.	U	26.	U	27.	U	26.	U	26.	U	27.	U
591-78-6	2-Hexanone	38.	U	37.	U	38.	U	36.	U	37.	U	37.	U
127-18-4	Tetrachloroethene	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
79-34-5	1,1,2,2-Tetrachloroethane	11.	U	11.	U	11.	U	10.	U	11.	U	11.	U
108-88-3	Toluene	16.	U	3.	J	16.	U	1.	J	16.	U	16.	U
108-90-7	Chlorobenzene	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
100-41-4	Ethylbenzene	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
100-42-5	Styrene	11.	U	11.	U	11.	U	10.	U	11.	U	11.	U
1330-20-7	Xylene (Total)	22.	U	21.	U	22.	U	21.	U	21.	U	21.	U
107-02-8	Acrolein	250.	U	240.	U	250.	U	240.	U	240.	U	240.	U
354-58-5	1,1,1-trichloro-2,2,2-trifluoromethane	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
75-69-4	Trichlorofluoromethane	22.	U	21.	U	22.	U	21.	U	21.	U	21.	U
76-13-1	Trichlorotrifluoroethane (Freon 113)	11.	U	11.	U	11.	U	10.	U	11.	U	11.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA													
	SAMPLE ID ------->	518-S-B002-02		518-S-B003-01		518-S-B003-02		518-S-B004-01		518-C-B004-01		518-S-B004-02	
	ORIGINAL ID ----->	518SB00202		518SB00301		518SB00302		518SB00401		518CB00401		518SB00402	
	LAB SAMPLE ID --->	698976		699005		699012		698992		699030		698998	
	ID FROM REPORT -->	518SB00202		518SB00301		518SB00302		518SB00401		518CB00401		518SB00402	
	SAMPLE DATE ----->	04/05/95		04/05/95		04/05/95		04/05/95		04/05/95		04/05/95	
	DATE ANALYZED --->	04/17/95		04/19/95		04/19/95		04/16/95		04/17/95		04/17/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0005V	VAL	0005V	VAL	0005V	VAL	0004V	VAL	0005V	VAL	0005V	VAL
74-88-4	Methyl iodide	11.	U	11.	U	11.	U	10.	U	11.	U	11.	U
107-05-1	3-Chloropropene	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
75-05-8	Acetonitrile	220.	U	210.	U	220.	U	210.	U	210.	U	210.	U
107-13-1	Acrylonitrile	230.	U	220.	U	230.	U	220.	U	220.	U	220.	U
108-05-4	Vinyl acetate	22.	U	21.	U	22.	U	21.	U	21.	U	21.	U
107-12-0	Propionitrile	630.	U	620.	U	630.	U	610.	U	620.	U	630.	U
126-98-7	Methacrylonitrile	22.	U	21.	UJ	22.	UJ	21.	U	21.	U	21.	U
4170-30-3	Crotonaldehyde	590.	UR	580.	UR	590.	UR	570.	UR	580.	UR	590.	UR
78-83-1	Isobutyl alcohol	14000.	UR	14000.	UR	14000.	UR	14000.	UR	14000.	UR	14000.	UR
74-95-3	Methylene bromide	22.	U	21.	U	22.	U	21.	U	21.	U	21.	U
80-62-6	Methyl methacrylate	54.	U	53.	UJ	54.	UJ	52.	U	53.	U	53.	U
123-91-1	1,4-Dioxane	55000.	UR	54000.	UR	55000.	UR	53000.	UR	54000.	UR	54000.	UR
110-75-8	2-Chloroethyl vinyl ether	16.	UR	16.	UR	16.	UR	16.	UR	16.	UR	16.	UR
97-63-2	Ethyl methacrylate	27.	U	26.	U	27.	U	26.	U	26.	U	27.	U
106-93-4	1, 2-Dibromoethane	22.	U	21.	U	22.	U	21.	U	21.	U	21.	U
630-20-6	1,1,1,2-Tetrachloroethane	22.	U	21.	U	22.	U	21.	U	21.	U	21.	U
1476-11-5	Cis-1,4-Dichloro-2-Butene	22.	U	21.	U	22.	U	21.	U	21.	U	21.	U
96-18-4	1,2,3-Trichloropropane	22.	U	21.	U	22.	U	21.	U	21.	U	21.	U
110-57-6	trans-1,4-Dichloro-2-butene	22.	U	21.	U	22.	U	21.	U	21.	U	21.	U
96-12-8	1,2-Dibromo-3-Chloropropane	54.	U	53.	U	54.	U	52.	U	53.	U	53.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA	SAMPLE ID ------>	518-S-B005-01	518-S-B005-02	518-C-B006-01	519-S-B001-01	519-C-B001-01	519-S-B001-02
	ORIGINAL ID ----->	518SB00501	518SB00502	518CB00601	519SB00101	519CB00101	519SB00102
	LAB SAMPLE ID --->	698981	698986	736702	706643	706660	706672
	ID FROM REPORT -->	518SB00501	518SB00502	518CB00601	519SB00101	519CB00101	519SB00102
	SAMPLE DATE ----->	04/05/95	04/05/95	06/28/95	04/22/95	04/22/95	04/22/95
	DATE ANALYZED --->	04/17/95	04/17/95	06/30/95	04/28/95	04/28/95	04/28/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0005V	VAL	0005V	VAL	0021V	VAL	0015V	VAL	0015V	VAL	0015V	VAL
74-87-3	Chloromethane	38.	U	37.	U	38.	U	38.	U	38.	U	37.	U
74-83-9	Bromomethane	22.	U	21.	U	22.	U	22.	U	22.	U	21.	U
75-01-4	Vinyl chloride	22.	U	21.	U	22.	U	22.	U	22.	U	21.	U
75-00-3	Chloroethane	22.	U	21.	U	22.	U	22.	U	22.	U	21.	U
75-09-2	Methylene chloride	22.	U	21.	U	22.	U	15.	J	22.	UJ	43.	UJ
67-64-1	Acetone	24.	J	10.	J	99.	U	22.	UJ	22.	UJ	21.	UJ
75-15-0	Carbon disulfide	11.	U	11.	U	11.	U	22.	UJ	11.	U	11.	U
75-35-4	1,1-Dichloroethene	22.	U	21.	U	22.	U	22.	U	22.	U	21.	U
75-34-3	1,1-Dichloroethane	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
540-59-0	1,2-Dichloroethene (total)	48.	U	47.	U	49.	U	49.	U	48.	U	47.	U
67-66-3	Chloroform	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
107-06-2	1,2-Dichloroethane	11.	U	11.	U	11.	U	11.	U	11.	U	11.	U
78-93-3	2-Butanone (MEK)	38.	U	37.	U	38.	UJ	38.	UJ	38.	UJ	37.	UJ
71-55-6	1,1,1-Trichloroethane	22.	U	21.	U	22.	U	22.	UJ	22.	UJ	21.	UJ
56-23-5	Carbon tetrachloride	16.	U	16.	U	16.	U	16.	UJ	16.	UJ	16.	UJ
75-27-4	Bromodichloromethane	22.	U	21.	U	22.	U	22.	U	22.	U	21.	U
78-87-5	1,2-Dichloropropane	22.	U	21.	U	22.	U	22.	U	22.	U	21.	U
10061-01-5	cis-1,3-Dichloropropene	11.	U	11.	U	11.	U	11.	U	11.	U	11.	U
79-01-6	Trichloroethene	22.	U	21.	U	22.	U	22.	U	22.	U	21.	U
124-48-1	Dibromochloromethane	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
79-00-5	1,1,2-Trichloroethane	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
71-43-2	Benzene	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
10061-02-6	trans-1,3-Dichloropropene	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
75-25-2	Bromoform	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	27.	U	26.	U	27.	U	27.	UJ	27.	UJ	26.	UJ
591-78-6	2-Hexanone	38.	U	37.	U	38.	U	38.	UJ	38.	UJ	37.	UJ
127-18-4	Tetrachloroethene	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
79-34-5	1,1,2,2-Tetrachloroethane	11.	U	11.	U	11.	U	11.	UJ	11.	UJ	11.	UJ
108-88-3	Toluene	3.	J	16.	U	16.	U	16.	U	16.	U	16.	U
108-90-7	Chlorobenzene	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
100-41-4	Ethylbenzene	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
100-42-5	Styrene	11.	U	11.	U	11.	U	11.	U	11.	U	11.	U
1330-20-7	Xylene (Total)	22.	U	21.	U	22.	U	22.	U	22.	U	21.	U
107-02-8	Acrolein	250.	U	240.	U	250.	UJ	250.	UJ	250.	UJ	240.	UJ
354-58-5	1,1,1-trichloro-2,2,2-trifluoromethane	16.	U	16.	U	16.	U	16.	U	16.	U	16.	U
75-69-4	Trichlorofluoromethane	22.	U	21.	U	22.	U	22.	UJ	22.	UJ	21.	UJ
76-13-1	Trichlorotrifluoroethane (Freon 113)	11.	U	11.	U	11.	U	11.	U	11.	U	11.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA	SAMPLE ID ------->	518-S-B005-01	518-S-B005-02	518-C-B006-01	519-S-B001-01	519-C-B001-01	519-S-B001-02
	ORIGINAL ID ----->	518SB00501	518SB00502	518CB00601	519SB00101	519CB00101	519SB00102
	LAB SAMPLE ID --->	698981	698986	736702	706643	706660	706672
	ID FROM REPORT -->	518SB00501	518SB00502	518CB00601	519SB00101	519CB00101	519SB00102
	SAMPLE DATE ----->	04/05/95	04/05/95	06/28/95	04/22/95	04/22/95	04/22/95
	DATE ANALYZED --->	04/17/95	04/17/95	06/30/95	04/28/95	04/28/95	04/28/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0005V	VAL	0005V	VAL	0021V	VAL	0015V	VAL	0015V	VAL	0015V	VAL
74-88-4	Methyl iodide	11.	U	11.	U	11.	U	11.	U	11.	U	11.	U
107-05-1	3-Chloropropene	16.	U	16.	U	16.	U	16.	UJ	16.	UJ	16.	UJ
75-05-8	Acetonitrile	220.	U	210.	U	220.	U	220.	U	220.	U	210.	U
107-13-1	Acrylonitrile	230.	U	220.	U	230.	U	230.	UJ	230.	UJ	220.	UJ
108-05-4	Vinyl acetate	22.	U	21.	U	22.	U	22.	U	22.	U	21.	U
107-12-0	Propionitrile	630.	U	620.	U	650.	U	640.	U	630.	U	620.	U
126-98-7	Methacrylonitrile	22.	U	21.	U	22.	U	22.	UJ	22.	UJ	21.	UJ
4170-30-3	Crotonaldehyde	590.	UR	580.	UR	600.	UR	600.	UR	590.	UR	580.	UR
78-83-1	Isobutyl alcohol	14000.	UR	14000.	UR	14000.	UR	14000.	UR	14000.	UR	14000.	UR
74-95-3	Methylene bromide	22.	U	21.	U	22.	U	22.	U	22.	U	21.	U
80-62-6	Methyl methacrylate	54.	U	53.	U	55.	UR	54.	UJ	54.	UJ	53.	UJ
123-91-1	1,4-Dioxane	55000.	UR	54000.	UR	56000.	UR	55000.	UR	55000.	UR	54000.	UR
110-75-8	2-Chloroethyl vinyl ether	16.	UR	16.	UR	16.	U	16.	UR	16.	UR	16.	UR
97-63-2	Ethyl methacrylate	27.	U	26.	U	27.	U	27.	UJ	27.	UJ	26.	UJ
106-93-4	1, 2-Dibromoethane	22.	U	21.	U	22.	U	22.	U	22.	U	21.	U
630-20-6	1,1,1,2-Tetrachloroethane	22.	U	21.	U	22.	U	22.	UJ	22.	UJ	21.	UJ
1476-11-5	Cis-1,4-Dichloro-2-Butene	22.	U	21.	U	22.	U	22.	U	22.	U	21.	U
96-18-4	1,2,3-Trichloropropane	22.	U	21.	U	22.	U	22.	U	22.	U	21.	U
110-57-6	trans-1,4-Dichloro-2-butene	22.	U	21.	U	22.	U	22.	UJ	22.	UJ	21.	UJ
96-12-8	1,2-Dibromo-3-Chloropropane	54.	U	53.	U	11.	U	54.	U	54.	U	53.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA	SAMPLE ID ------->	519-S-B002-01	519-S-B002-02	519-S-B003-01	519-S-B003-02	519-S-B004-01	519-S-B004-02
	ORIGINAL ID ----->	519SB00201	519SB00202	519SB00301	519SB00302	519SB00401	519SB00402
	LAB SAMPLE ID --->	706678	706684	706694	706700	706706	706713
	ID FROM REPORT -->	519SB00201	519SB00202	519SB00301	519SB00302	519SB00401	519SB00402
	SAMPLE DATE ----->	04/22/95	04/22/95	04/22/95	04/22/95	04/22/95	04/22/95
	DATE ANALYZED --->	04/28/95	04/28/95	04/28/95	04/28/95	04/28/95	04/29/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0015V	VAL	0015V	VAL	0015V	VAL	0015V	VAL	0015V	VAL	0015V	VAL
74-87-3	Chloromethane	37.	U	36.	U	38.	U	36.	U	38.	U	37.	U
74-83-9	Bromomethane	21.	U	21.	U	22.	U	21.	U	22.	U	21.	U
75-01-4	Vinyl chloride	21.	U	21.	U	22.	U	21.	U	22.	U	21.	U
75-00-3	Chloroethane	21.	U	21.	U	22.	U	21.	U	22.	U	21.	U
75-09-2	Methylene chloride	21.	UJ	21.	UJ	22.	UJ	21.	UJ	22.	UJ	21.	UJ
67-64-1	Acetone	21.	UJ	63.	UJ	40.	UJ	31.	UJ	22.	UJ	21.	UJ
75-15-0	Carbon disulfide	11.	U	10.	U	11.	U	10.	U	11.	U	11.	U
75-35-4	1,1-Dichloroethene	21.	U	21.	U	22.	U	21.	U	22.	U	21.	U
75-34-3	1,1-Dichloroethane	16.	U	15.	U	16.	U	15.	U	16.	U	16.	U
540-59-0	1,2-Dichloroethene (total)	47.	U	46.	U	49.	U	46.	U	48.	U	47.	U
67-66-3	Chloroform	16.	U	15.	U	16.	U	15.	U	16.	U	16.	U
107-06-2	1,2-Dichloroethane	11.	U	10.	U	11.	U	10.	U	11.	U	11.	U
78-93-3	2-Butanone (MEK)	37.	UJ	36.	UJ	38.	UJ	36.	UJ	38.	UJ	37.	UJ
71-55-6	1,1,1-Trichloroethane	21.	UJ	21.	UJ	22.	UJ	21.	UJ	22.	UJ	21.	UJ
56-23-5	Carbon tetrachloride	16.	UJ	15.	UJ	16.	UJ	15.	UJ	16.	UJ	16.	UJ
75-27-4	Bromodichloromethane	21.	U	21.	U	22.	U	21.	U	22.	U	21.	U
78-87-5	1,2-Dichloropropane	21.	U	21.	U	22.	U	21.	U	22.	U	21.	U
10061-01-5	cis-1,3-Dichloropropene	11.	U	10.	U	11.	U	10.	U	11.	U	11.	UJ
79-01-6	Trichloroethene	21.	U	21.	U	22.	U	21.	U	22.	U	21.	U
124-48-1	Dibromochloromethane	16.	U	15.	U	16.	U	15.	U	16.	U	16.	U
79-00-5	1,1,2-Trichloroethane	16.	U	15.	U	16.	U	15.	U	16.	U	16.	U
71-43-2	Benzene	16.	U	15.	U	16.	U	15.	U	16.	U	16.	U
10061-02-6	trans-1,3-Dichloropropene	16.	U	15.	U	16.	U	15.	U	16.	U	16.	U
75-25-2	Bromoform	16.	U	15.	U	16.	U	15.	U	16.	U	16.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	26.	UJ	26.	UJ	27.	UJ	26.	UJ	27.	UJ	26.	UJ
591-78-6	2-Hexanone	37.	UJ	36.	UJ	38.	UJ	36.	UJ	38.	UJ	37.	UJ
127-18-4	Tetrachloroethene	16.	U	15.	U	16.	U	15.	U	16.	U	16.	U
79-34-5	1,1,2,2-Tetrachloroethane	11.	UJ	10.	UJ	11.	UJ	10.	UJ	11.	UJ	11.	UJ
108-88-3	Toluene	16.	U	15.	U	16.	U	15.	U	16.	U	16.	U
108-90-7	Chlorobenzene	16.	U	15.	U	16.	U	15.	U	16.	U	16.	U
100-41-4	Ethylbenzene	16.	U	15.	U	16.	U	15.	U	16.	U	16.	U
100-42-5	Styrene	11.	U	10.	U	11.	U	10.	U	11.	U	11.	U
1330-20-7	Xylene (Total)	21.	U	21.	U	22.	U	21.	U	22.	U	21.	U
107-02-8	Acrolein	240.	UJ	240.	UJ	250.	UJ	240.	UJ	250.	UJ	240.	UJ
354-58-5	1,1,1-trichloro-2,2,2-trifluoromethane	16.	U	15.	U	16.	U	15.	U	16.	U	16.	U
75-69-4	Trichlorofluoromethane	21.	UJ	21.	UJ	22.	UJ	21.	UJ	22.	UJ	21.	U
76-13-1	Trichlorotrifluoroethane (Freon 113)	11.	U	10.	U	11.	U	10.	U	11.	U	11.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA													
	SAMPLE ID ------->	519-S-B002-01		519-S-B002-02		519-S-B003-01		519-S-B003-02		519-S-B004-01		519-S-B004-02	
	ORIGINAL ID ----->	519SB00201		519SB00202		519SB00301		519SB00302		519SB00401		519SB00402	
	LAB SAMPLE ID --->	706678		706684		706694		706700		706706		706713	
	ID FROM REPORT -->	519SB00201		519SB00202		519SB00301		519SB00302		519SB00401		519SB00402	
	SAMPLE DATE ----->	04/22/95		04/22/95		04/22/95		04/22/95		04/22/95		04/22/95	
	DATE ANALYZED --->	04/28/95		04/28/95		04/28/95		04/28/95		04/28/95		04/29/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0015V	VAL	0015V	VAL	0015V	VAL	0015V	VAL	0015V	VAL	0015V	VAL
74-88-4	Methyl iodide	11.	U	10.	U	11.	U	10.	U	11.	U	11.	U
107-05-1	3-Chloropropene	16.	UJ	15.	UJ	16.	UJ	15.	UJ	16.	UJ	16.	U
75-05-8	Acetonitrile	210.	U	210.	U	220.	U	210.	U	220.	U	210.	UJ
107-13-1	Acrylonitrile	220.	UJ	220.	UJ	230.	UJ	220.	UJ	230.	UJ	220.	UJ
108-05-4	Vinyl acetate	8.	J	11.	J	22.	U	21.	U	22.	U	21.	U
107-12-0	Propionitrile	620.	U	610.	U	640.	U	610.	U	630.	U	620.	UJ
126-98-7	Methacrylonitrile	21.	UJ	21.	UJ	22.	UJ	21.	UJ	22.	UJ	21.	UJ
4170-30-3	Crotonaldehyde	580.	UR	570.	UR	600.	UR	570.	UR	590.	UR	580.	UR
78-83-1	Isobutyl alcohol	14000.	UR	13000.	UR	14000.	UR	13000.	UR	14000.	UR	14000.	UR
74-95-3	Methylene bromide	21.	U	21.	U	22.	U	21.	U	22.	U	21.	U
80-62-6	Methyl methacrylate	53.	UJ	52.	UJ	54.	UJ	52.	UJ	54.	UJ	53.	UJ
123-91-1	1,4-Dioxane	54000.	UR	53000.	UR	55000.	UR	53000.	UR	55000.	UR	54000.	UR
110-75-8	2-Chloroethyl vinyl ether	16.	UR	15.	UR	16.	UR	15.	UR	16.	UR	16.	UR
97-63-2	Ethyl methacrylate	26.	UJ	26.	UJ	27.	UJ	26.	UJ	27.	UJ	26.	UJ
106-93-4	1, 2-Dibromoethane	21.	U	21.	U	22.	U	21.	U	22.	U	21.	U
630-20-6	1,1,1,2-Tetrachloroethane	21.	UJ	21.	UJ	22.	UJ	21.	UJ	22.	UJ	21.	UJ
1476-11-5	Cis-1,4-Dichloro-2-Butene	21.	U	21.	U	22.	U	21.	U	22.	U	21.	U
96-18-4	1,2,3-Trichloropropane	21.	U	21.	U	22.	U	21.	U	22.	U	21.	U
110-57-6	trans-1,4-Dichloro-2-butene	21.	UJ	21.	UJ	22.	UJ	21.	UJ	22.	UJ	21.	UJ
96-12-8	1,2-Dibromo-3-Chloropropane	53.	U	52.	U	54.	U	52.	U	54.	U	53.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA	SAMPLE ID ------->	519-S-B005-01		519-S-B005-02		519-S-B006-01		519-S-B006-02		520-S-B001-01		520-S-B001-02	
	ORIGINAL ID ----->	519SB00501		519SB00502		519SB00601		519SB00602		520SB00101		520SB00102	
	LAB SAMPLE ID --->	706719		706729		706735		706741		700528		700536	
	ID FROM REPORT -->	519SB00501		519SB00502		519SB00601		519SB00602		520SB00101		520SB00102	
	SAMPLE DATE ----->	04/22/95		04/22/95		04/22/95		04/22/95		04/07/95		04/07/95	
	DATE ANALYZED --->	04/29/95		04/29/95		04/29/95		04/29/95		04/20/95		04/20/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0015V	VAL	0015V	VAL	0015V	VAL	0015V	VAL	0005V	VAL	0005V	VAL
74-87-3	Chloromethane	37.	U	37.	U	37.	U	37.	U	36.	U	36.	U
74-83-9	Bromomethane	21.	U	21.	U	21.	U	21.	U	21.	U	20.	U
75-01-4	Vinyl chloride	21.	U	21.	U	21.	U	21.	U	21.	U	20.	U
75-00-3	Chloroethane	21.	U	21.	U	21.	U	21.	U	21.	U	20.	U
75-09-2	Methylene chloride	27.	UJ	21.	UJ	23.	UJ	21.	UJ	21.	U	20.	U
67-64-1	Acetone	21.	UJ	21.	UJ	96.	UJ	21.	UJ	96.	UJ	92.	UJ
75-15-0	Carbon disulfide	11.	U	11.	U	11.	U	11.	U	10.	UJ	10.	UJ
75-35-4	1,1-Dichloroethene	21.	U	21.	U	21.	U	21.	U	21.	U	20.	U
75-34-3	1,1-Dichloroethane	16.	U	16.	U	16.	U	16.	U	15.	U	15.	U
540-59-0	1,2-Dichloroethene (total)	48.	U	48.	U	48.	U	48.	U	46.	U	46.	U
67-66-3	Chloroform	16.	U	16.	U	16.	U	16.	U	15.	U	15.	U
107-06-2	1,2-Dichloroethane	11.	U	11.	U	11.	U	11.	U	10.	U	10.	U
78-93-3	2-Butanone (MEK)	37.	UJ	37.	UJ	37.	UJ	37.	UJ	36.	UR	36.	UR
71-55-6	1,1,1-Trichloroethane	21.	UJ	21.	UJ	21.	UJ	21.	UJ	21.	U	20.	U
56-23-5	Carbon tetrachloride	16.	UJ	16.	UJ	16.	UJ	16.	UJ	15.	U	15.	U
75-27-4	Bromodichloromethane	21.	U	21.	U	21.	U	21.	U	21.	U	20.	U
78-87-5	1,2-Dichloropropane	21.	U	21.	U	21.	U	21.	U	21.	U	20.	U
10061-01-5	cis-1,3-Dichloropropene	11.	UJ	11.	UJ	11.	UJ	11.	UJ	10.	UJ	10.	UJ
79-01-6	Trichloroethene	21.	U	21.	U	21.	U	21.	U	21.	U	20.	U
124-48-1	Dibromochloromethane	16.	U	16.	U	16.	U	16.	U	15.	U	15.	U
79-00-5	1,1,2-Trichloroethane	16.	U	16.	U	16.	U	16.	U	15.	U	15.	U
71-43-2	Benzene	16.	U	16.	U	16.	U	16.	U	15.	U	15.	U
10061-02-6	trans-1,3-Dichloropropene	16.	U	16.	U	16.	U	16.	U	15.	UJ	15.	UJ
75-25-2	Bromoform	16.	U	16.	U	16.	U	16.	U	15.	U	15.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	27.	UJ	27.	UJ	27.	UJ	27.	UJ	26.	U	26.	U
591-78-6	2-Hexanone	37.	UJ	37.	UJ	37.	UJ	37.	UJ	36.	U	36.	U
127-18-4	Tetrachloroethene	16.	U	16.	U	16.	U	16.	U	15.	U	15.	U
79-34-5	1,1,2,2-Tetrachloroethane	11.	UJ	11.	UJ	11.	UJ	11.	UJ	10.	U	10.	U
108-88-3	Toluene	16.	U	16.	U	16.	U	16.	U	15.	U	15.	U
108-90-7	Chlorobenzene	16.	U	16.	U	16.	U	16.	U	15.	U	15.	U
100-41-4	Ethylbenzene	16.	U	16.	U	16.	U	16.	U	15.	U	15.	U
100-42-5	Styrene	11.	U	11.	U	11.	U	11.	U	10.	U	10.	U
1330-20-7	Xylene (Total)	21.	U	21.	U	21.	U	21.	U	21.	U	20.	U
107-02-8	Acrolein	240.	UJ	240.	UJ	240.	UJ	240.	UJ	240.	UJ	230.	UJ
354-58-5	1,1,1-trichloro-2,2,2-trifluoromethane	16.	U	16.	U	16.	U	16.	U	15.	U	15.	U
75-69-4	Trichlorofluoromethane	21.	U	21.	U	21.	U	21.	U	21.	U	20.	U
76-13-1	Trichlorotrifluoroethane (Freon 113)	11.	U	11.	U	11.	U	11.	U	10.	U	10.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA												
	SAMPLE ID ------->	519-S-B005-01		519-S-B005-02		519-S-B006-01		519-S-B006-02		520-S-B001-01		520-S-B001-02	
	ORIGINAL ID ----->	519SB00501		519SB00502		519SB00601		519SB00602		520SB00101		520SB00102	
	LAB SAMPLE ID --->	706719		706729		706735		706741		700528		700536	
	ID FROM REPORT -->	519SB00501		519SB00502		519SB00601		519SB00602		520SB00101		520SB00102	
	SAMPLE DATE ----->	04/22/95		04/22/95		04/22/95		04/22/95		04/07/95		04/07/95	
	DATE ANALYZED --->	04/29/95		04/29/95		04/29/95		04/29/95		04/20/95		04/20/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0015V	VAL	0015V	VAL	0015V	VAL	0015V	VAL	0005V	VAL	0005V	VAL
74-88-4	Methyl iodide	11.	U	11.	U	11.	U	11.	U	10.	U	10.	U
107-05-1	3-Chloropropene	16.	U	16.	U	16.	U	16.	U	15.	U	15.	U
75-05-8	Acetonitrile	210.	UJ	210.	UJ	210.	UJ	210.	UJ	210.	U	200.	U
107-13-1	Acrylonitrile	220.	UJ	220.	UJ	220.	UJ	220.	UJ	220.	UJ	210.	UJ
108-05-4	Vinyl acetate	21.	U	21.	U	21.	U	21.	U	21.	UJ	20.	UJ
107-12-0	Propionitrile	630.	UJ	630.	UJ	630.	UJ	630.	UJ	610.	UR	600.	UR
126-98-7	Methacrylonitrile	21.	UJ	21.	UJ	21.	UJ	21.	UJ	21.	U	20.	U
4170-30-3	Crotonaldehyde	590.	UR	590.	UR	590.	UR	590.	UR	570.	UR	560.	UR
78-83-1	Isobutyl alcohol	14000.	UR	14000.	UR	14000.	UR	14000.	UR	13000.	UR	13000.	UR
74-95-3	Methylene bromide	21.	U	21.	U	21.	U	21.	U	21.	U	20.	U
80-62-6	Methyl methacrylate	53.	UJ	53.	UJ	53.	UJ	53.	UJ	52.	UR	51.	UR
123-91-1	1,4-Dioxane	54000.	UR	54000.	UR	54000.	UR	54000.	UR	53000.	UR	52000.	UR
110-75-8	2-Chloroethyl vinyl ether	16.	UR	16.	UR	16.	UR	16.	UR	15.	UR	15.	UR
97-63-2	Ethyl methacrylate	27.	UJ	27.	UJ	27.	UJ	27.	UJ	26.	U	26.	U
106-93-4	1, 2-Dibromoethane	21.	U	21.	U	21.	U	21.	U	21.	U	20.	U
630-20-6	1,1,1,2-Tetrachloroethane	21.	UJ	21.	UJ	21.	UJ	21.	UJ	21.	U	20.	U
1476-11-5	Cis-1,4-Dichloro-2-Butene	21.	U	21.	U	21.	U	21.	U	21.	UJ	20.	UJ
96-18-4	1,2,3-Trichloropropane	21.	U	21.	U	21.	U	21.	U	21.	U	20.	U
110-57-6	trans-1,4-Dichloro-2-butene	21.	UJ	21.	UJ	21.	UJ	21.	UJ	21.	UJ	20.	UJ
96-12-8	1,2-Dibromo-3-Chloropropane	53.	U	53.	U	53.	U	53.	U	52.	U	51.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA	SAMPLE ID ------->	520-S-B002-01	520-S-B002-02	520-S-B003-01	520-S-B003-02	520-C-B003-02	520-S-B004-01
	ORIGINAL ID ----->	520SB00201	520SB00202	520SB00301	520SB00302	520CB00302	520SB00401
	LAB SAMPLE ID --->	700544	700549	700554	700559	701019	700567
	ID FROM REPORT -->	520SB00201	520SB00202	520SB00301	520SB00302	520CB00302	520SB00401
	SAMPLE DATE ----->	04/07/95	04/07/95	04/07/95	04/07/95	04/07/95	04/07/95
	DATE ANALYZED --->	04/21/95	04/21/95	04/21/95	04/21/95	04/21/95	04/21/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ----------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0005V	VAL	0005V	VAL	0005V	VAL	0005V	VAL	0006V	VAL	0006V	VAL
74-87-3	Chloromethane	37.	U	36.	U	39.	U	36.	U	36.	U	36.	U
74-83-9	Bromomethane	21.	U	21.	U	22.	U	21.	U	21.	U	21.	U
75-01-4	Vinyl chloride	21.	U	21.	U	22.	U	21.	U	21.	U	21.	U
75-00-3	Chloroethane	21.	U	21.	U	22.	U	21.	U	21.	U	21.	U
75-09-2	Methylene chloride	21.	U	37.		22.	U	21.	U	21.	U	78.	U
67-64-1	Acetone	96.	UJ	96.	UJ	101.	UJ	96.	UJ	96.	U	96.	UJ
75-15-0	Carbon disulfide	11.	UJ	10.	UJ	11.	UJ	10.	UJ	10.	UJ	10.	UJ
75-35-4	1,1-Dichloroethene	21.	U	21.	U	22.	U	21.	U	21.	U	21.	U
75-34-3	1,1-Dichloroethane	16.	U	16.	U	17.	U	15.	U	15.	U	16.	U
540-59-0	1,2-Dichloroethene (total)	48.	U	47.	U	50.	U	46.	U	46.	U	47.	U
67-66-3	Chloroform	16.	U	16.	U	17.	U	15.	U	15.	U	16.	U
107-06-2	1,2-Dichloroethane	11.	U	10.	U	11.	U	10.	U	10.	U	10.	U
78-93-3	2-Butanone (MEK)	37.	U	36.	U	39.	U	36.	U	36.	U	36.	UR
71-55-6	1,1,1-Trichloroethane	21.	U	21.	U	22.	U	21.	U	21.	U	21.	U
56-23-5	Carbon tetrachloride	16.	U	16.	U	17.	U	15.	U	15.	U	16.	U
75-27-4	Bromodichloromethane	21.	U	21.	U	22.	U	21.	U	21.	U	21.	U
78-87-5	1,2-Dichloropropane	21.	U	21.	U	22.	U	21.	U	21.	U	21.	U
10061-01-5	cis-1,3-Dichloropropene	11.	UJ	10.	UJ	11.	UJ	10.	UJ	10.	U	10.	UJ
79-01-6	Trichloroethene	21.	U	21.	U	22.	U	21.	U	21.	U	21.	U
124-48-1	Dibromochloromethane	16.	U	16.	U	17.	U	15.	U	15.	U	16.	U
79-00-5	1,1,2-Trichloroethane	16.	U	16.	U	17.	U	15.	U	15.	U	16.	U
71-43-2	Benzene	16.	U	16.	U	17.	U	15.	U	15.	U	16.	U
10061-02-6	trans-1,3-Dichloropropene	16.	UJ	16.	UJ	17.	UJ	15.	UJ	15.	U	16.	UJ
75-25-2	Bromoform	16.	U	16.	U	17.	U	15.	U	15.	UJ	16.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	27.	U	26.	U	28.	U	26.	U	26.	U	26.	U
591-78-6	2-Hexanone	37.	U	36.	U	39.	U	36.	U	36.	U	36.	U
127-18-4	Tetrachloroethene	16.	U	16.	U	17.	U	15.	U	15.	U	16.	U
79-34-5	1,1,2,2-Tetrachloroethane	11.	U	10.	U	11.	U	10.	U	10.	U	10.	U
108-88-3	Toluene	16.	U	16.	U	17.	U	15.	U	15.	U	16.	U
108-90-7	Chlorobenzene	16.	U	16.	U	17.	U	15.	U	15.	U	16.	U
100-41-4	Ethylbenzene	16.	U	16.	U	17.	U	15.	U	15.	U	16.	U
100-42-5	Styrene	11.	U	10.	U	11.	U	10.	U	10.	U	10.	U
1330-20-7	Xylene (Total)	21.	U	21.	U	22.	U	21.	U	21.	U	21.	U
107-02-8	Acrolein	240.	UJ	240.	UJ	260.	UJ	240.	UJ	240.	U	240.	UJ
354-58-5	1,1,1-trichloro-2,2,2-trifluoromethane	16.	U	16.	U	17.	U	15.	U	15.	U	16.	U
75-69-4	Trichlorofluoromethane	21.	U	21.	U	22.	U	21.	U	21.	U	21.	U
76-13-1	Trichlorotrifluoroethane (Freon 113)	11.	U	10.	U	11.	U	10.	U	10.	U	10.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA													
	SAMPLE ID ------>	520-S-B002-01		520-S-B002-02		520-S-B003-01		520-S-B003-02		520-C-B003-02		520-S-B004-01	
	ORIGINAL ID ----->	520SB00201		520SB00202		520SB00301		520SB00302		520CB00302		520SB00401	
	LAB SAMPLE ID --->	700544		700549		700554		700559		701019		700567	
	ID FROM REPORT -->	520SB00201		520SB00202		520SB00301		520SB00302		520CB00302		520SB00401	
	SAMPLE DATE ----->	04/07/95		04/07/95		04/07/95		04/07/95		04/07/95		04/07/95	
	DATE ANALYZED --->	04/21/95		04/21/95		04/21/95		04/21/95		04/21/95		04/21/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0005V	VAL	0005V	VAL	0005V	VAL	0005V	VAL	0006V	VAL	0006V	VAL
74-88-4	Methyl iodide	11.	U	10.	U	11.	U	10.	U	10.	U	10.	U
107-05-1	3-Chloropropene	16.	U	16.	U	17.	U	15.	U	15.	U	16.	U
75-05-8	Acetonitrile	210.	U	210.	U	220.	U	210.	U	210.	U	210.	U
107-13-1	Acrylonitrile	220.	UJ	220.	UJ	230.	UJ	220.	UJ	220.	U	220.	UJ
108-05-4	Vinyl acetate	21.	UJ	21.	UJ	22.	UJ	21.	UJ	21.	U	21.	UJ
107-12-0	Propionitrile	630.	UR	610.	UR	660.	UR	610.	UR	610.	U	610.	UR
126-98-7	Methacrylonitrile	21.	U	21.	U	22.	U	21.	U	21.	U	21.	U
4170-30-3	Crotonaldehyde	590.	UR	570.	UR	610.	UR	570.	UR	570.	UR	570.	UR
78-83-1	Isobutyl alcohol	14000.	UR	14000.	UR	14000.	UR	13000.	UR	13000.	UR	14000.	UR
74-95-3	Methylene bromide	21.	U	21.	U	22.	U	21.	U	21.	U	21.	U
80-62-6	Methyl methacrylate	53.	UR	52.	UR	56.	UR	52.	UR	52.	UJ	52.	UR
123-91-1	1,4-Dioxane	54000.	UR	53000.	UR	57000.	UR	53000.	UR	53000.	UR	53000.	UR
110-75-8	2-Chloroethyl vinyl ether	16.	UR	16.	UR	17.	UR	15.	UR	15.	UR	16.	UR
97-63-2	Ethyl methacrylate	27.	U	26.	U	28.	U	26.	U	26.	U	26.	U
106-93-4	1, 2-Dibromoethane	21.	U	21.	U	22.	U	21.	U	21.	U	21.	U
630-20-6	1,1,1,2-Tetrachloroethane	21.	U	21.	U	22.	U	21.	U	21.	U	21.	U
1476-11-5	Cis-1,4-Dichloro-2-Butene	21.	UJ	21.	UJ	22.	UJ	21.	UJ	21.	U	21.	UJ
96-18-4	1,2,3-Trichloropropane	21.	U	21.	U	22.	U	21.	U	21.	U	21.	U
110-57-6	trans-1,4-Dichloro-2-butene	21.	UJ	21.	UJ	22.	UJ	21.	UJ	21.	U	21.	UJ
96-12-8	1,2-Dibromo-3-Chloropropane	53.	U	52.	U	56.	U	52.	U	52.	U	52.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA	SAMPLE ID ------->	520-S-B004-02	520-S-B005-01	520-S-B005-02	520-S-B006-01	520-S-B006-02	523-S-B001-01
	ORIGINAL ID ----->	520SB00402	520SB00501	520SB00502	520SB00601	520SB00602	523SB00101
	LAB SAMPLE ID --->	700585	700590	700595	700600	700605	697999
	ID FROM REPORT -->	520SB00402	520SB00501	520SB00502	520SB00601	520SB00602	523SB00101
	SAMPLE DATE ----->	04/07/95	04/07/95	04/07/95	04/07/95	04/07/95	04/03/95
	DATE ANALYZED --->	04/21/95	04/21/95	04/21/95	04/21/95	04/21/95	04/07/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0006V	VAL	0006V	VAL	0006V	VAL	0006V	VAL	0006V	VAL	0004V	VAL
74-87-3	Chloromethane	36.	U	37.	U	36.	U	37.	U	36.	U	38.	U
74-83-9	Bromomethane	21.	U	21.	U	21.	U	21.	U	21.	U	22.	U
75-01-4	Vinyl chloride	21.	U	21.	U	21.	U	21.	U	21.	U	22.	U
75-00-3	Chloroethane	21.	U	21.	U	21.	U	21.	U	21.	U	22.	U
75-09-2	Methylene chloride	21.	UJ	21.	UJ	21.	UJ	21.	U	21.	U	22.	U
67-64-1	Acetone	96.	UJ	96.	UJ	96.	UJ	95.	U	95.	U	97.	U
75-15-0	Carbon disulfide	10.	UJ	11.	UJ	10.	UJ	11.	UJ	10.	UJ	11.	U
75-35-4	1,1-Dichloroethene	21.	U	21.	U	21.	U	21.	U	21.	U	22.	U
75-34-3	1,1-Dichloroethane	15.	U	16.	U	15.	U	16.	U	15.	U	16.	U
540-59-0	1,2-Dichloroethene (total)	46.	U	47.	U	46.	U	48.	U	46.	U	49.	U
67-66-3	Chloroform	15.	U	16.	U	15.	U	16.	U	15.	U	16.	U
107-06-2	1,2-Dichloroethane	10.	U	11.	U	10.	U	11.	U	10.	U	11.	U
78-93-3	2-Butanone (MEK)	36.	U	37.	U	36.	U	37.	U	36.	U	38.	UJ
71-55-6	1,1,1-Trichloroethane	21.	U	21.	U	21.	U	21.	U	21.	U	22.	U
56-23-5	Carbon tetrachloride	15.	U	16.	U	15.	U	16.	U	15.	U	16.	U
75-27-4	Bromodichloromethane	21.	U	21.	U	21.	U	21.	U	21.	U	22.	U
78-87-5	1,2-Dichloropropane	21.	U	21.	U	21.	U	21.	U	21.	U	22.	U
10061-01-5	cis-1,3-Dichloropropene	10.	U	11.	U	10.	U	11.	U	10.	U	11.	U
79-01-6	Trichloroethene	21.	U	21.	U	21.	U	21.	U	21.	U	22.	U
124-48-1	Dibromochloromethane	15.	U	16.	U	15.	U	16.	U	15.	U	16.	U
79-00-5	1,1,2-Trichloroethane	15.	U	16.	U	15.	U	16.	U	15.	U	16.	U
71-43-2	Benzene	15.	U	16.	U	15.	U	16.	U	15.	U	16.	U
10061-02-6	trans-1,3-Dichloropropene	15.	U	16.	U	15.	U	16.	U	15.	U	16.	U
75-25-2	Bromoform	15.	UJ	16.	UJ	15.	UJ	16.	UJ	15.	UJ	16.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	26.	U	26.	U	26.	U	27.	U	26.	U	27.	U
591-78-6	2-Hexanone	36.	U	37.	U	36.	U	37.	U	36.	U	38.	U
127-18-4	Tetrachloroethene	15.	U	16.	U	15.	U	16.	U	15.	U	16.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U	11.	U	10.	U	11.	U	10.	U	11.	U
108-88-3	Toluene	15.	U	16.	U	15.	U	16.	U	15.	U	16.	U
108-90-7	Chlorobenzene	15.	U	16.	U	15.	U	16.	U	15.	U	16.	U
100-41-4	Ethylbenzene	15.	U	16.	U	15.	U	16.	U	15.	U	16.	U
100-42-5	Styrene	10.	U	11.	U	10.	U	11.	U	10.	U	11.	U
1330-20-7	Xylene (Total)	21.	U	21.	U	21.	U	21.	U	21.	U	22.	U
107-02-8	Acrolein	240.	U	240.	U	240.	U	240.	U	240.	U	250.	U
354-58-5	1,1,1-trichloro-2,2,2-trifluoromethane	15.	U	16.	U	15.	U	16.	U	15.	U	16.	U
75-69-4	Trichlorofluoromethane	21.	U	21.	U	21.	U	21.	U	21.	U	22.	U
76-13-1	Trichlorotrifluoroethane (Freon 113)	10.	U	11.	U	10.	U	11.	U	10.	U	11.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA													
	SAMPLE ID ------>	520-S-B004-02		520-S-B005-01		520-S-B005-02		520-S-B006-01		520-S-B006-02		523-S-B001-01	
	ORIGINAL ID ----->	520SB00402		520SB00501		520SB00502		520SB00601		520SB00602		523SB00101	
	LAB SAMPLE ID --->	700585		700590		700595		700600		700605		697999	
	ID FROM REPORT -->	520SB00402		520SB00501		520SB00502		520SB00601		520SB00602		523SB00101	
	SAMPLE DATE ----->	04/07/95		04/07/95		04/07/95		04/07/95		04/07/95		04/03/95	
	DATE ANALYZED --->	04/21/95		04/21/95		04/21/95		04/21/95		04/21/95		04/07/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0006V	VAL	0006V	VAL	0006V	VAL	0006V	VAL	0006V	VAL	0004V	VAL
74-88-4	Methyl iodide	10.	U	11.	U	10.	U	11.	U	10.	U	11.	U
107-05-1	3-Chloropropene	15.	U	16.	U	15.	U	16.	U	15.	U	16.	U
75-05-8	Acetonitrile	210.	U	210.	U	210.	U	210.	U	210.	U	220.	U
107-13-1	Acrylonitrile	220.	U	220.	U	220.	U	220.	U	220.	U	230.	U
108-05-4	Vinyl acetate	21.	U	21.	U	21.	U	21.	U	21.	U	22.	U
107-12-0	Propionitrile	610.	U	620.	U	610.	U	630.	U	610.	U	650.	U
126-98-7	Methacrylonitrile	21.	U	21.	U	21.	U	21.	U	21.	U	22.	U
4170-30-3	Crotonaldehyde	570.	UR	580.	UR	570.	UR	590.	UR	570.	UR	600.	UR
78-83-1	Isobutyl alcohol	13000.	UR	14000.	UR	13000.	UR	14000.	UR	13000.	UR	14000.	UR
74-95-3	Methylene bromide	21.	U	21.	U	21.	U	21.	U	21.	U	22.	U
80-62-6	Methyl methacrylate	52.	UJ	53.	UJ	52.	UJ	53.	UJ	52.	UJ	55.	U
123-91-1	1,4-Dioxane	53000.	UR	54000.	UR	53000.	UR	54000.	UR	53000.	UR	56000.	UR
110-75-8	2-Chloroethyl vinyl ether	15.	UR	16.	UR	15.	UR	16.	UR	15.	UR	16.	UR
97-63-2	Ethyl methacrylate	26.	U	26.	U	26.	U	27.	U	26.	U	27.	U
106-93-4	1, 2-Dibromoethane	21.	U	21.	U	21.	U	21.	U	21.	U	22.	U
630-20-6	1,1,1,2-Tetrachloroethane	21.	U	21.	U	21.	U	21.	U	21.	U	22.	U
1476-11-5	Cis-1,4-Dichloro-2-Butene	21.	U	21.	U	21.	U	21.	U	21.	U	22.	U
96-18-4	1,2,3-Trichloropropane	21.	U	21.	U	21.	U	21.	U	21.	U	22.	U
110-57-6	trans-1,4-Dichloro-2-butene	21.	U	21.	U	21.	U	21.	U	21.	U	22.	U
96-12-8	1,2-Dibromo-3-Chloropropane	52.	U	53.	U	52.	U	53.	U	52.	U	55.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA	SAMPLE ID ------->	523-S-B001-02	523-S-B002-01	523-S-B002-02	523-C-B002-02	523-G-W001-01	523-H-W001-01
	ORIGINAL ID ----->	523SB00102	523SB00201	523SB00202	523CB00202	523GW00101	523HW00101
	LAB SAMPLE ID --->	698011	698005	697994	698036	732761	732772
	ID FROM REPORT -->	523SB00102	523SB00201	523SB00202	523CB00202	523GW00101	523HW00101
	SAMPLE DATE ----->	04/03/95	04/03/95	04/03/95	04/03/95	06/15/95	06/15/95
	DATE ANALYZED --->	04/07/95	04/07/95	04/07/95	04/07/95	06/24/95	06/24/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Water	Water
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/L	UG/L

CAS #	Parameter	0004V	VAL	0004V	VAL	0004V	VAL	0004V	VAL	0018V	VAL	0018V	VAL
74-87-3	Chloromethane	42.	U	38.	U	40.	U	40.	U	15.	UJ	15.	UJ
74-83-9	Bromomethane	24.	U	22.	U	23.	U	23.	U	10.	UJ	10.	UJ
75-01-4	Vinyl chloride	24.	U	22.	U	23.	U	23.	U	10.	UJ	10.	UJ
75-00-3	Chloroethane	24.	U	22.	U	23.	U	23.	U	10.	UJ	10.	UJ
75-09-2	Methylene chloride	24.	U	22.	U	23.	U	23.	U	10.	UJ	10.	UJ
67-64-1	Acetone	106.	U	97.	U	101.	U	101.	U	15.	UJ	15.	UJ
75-15-0	Carbon disulfide	12.	U	11.	U	11.	U	11.	U	10.	UJ	10.	UJ
75-35-4	1,1-Dichloroethene	24.	U	22.	U	23.	U	23.	U	5.	UJ	5.	UJ
75-34-3	1,1-Dichloroethane	18.	U	16.	U	17.	U	17.	U	5.	UJ	5.	UJ
540-59-0	1,2-Dichloroethene (total)	54.	U	49.	U	51.	U	51.	U	10.	UJ	10.	UJ
67-66-3	Chloroform	18.	U	16.	U	17.	U	17.	U	5.	UJ	5.	UJ
107-06-2	1,2-Dichloroethane	12.	U	11.	U	11.	U	11.	U	5.	UJ	5.	UJ
78-93-3	2-Butanone (MEK)	42.	UJ	38.	UJ	40.	UJ	40.	UJ	20.	UJ	20.	UJ
71-55-6	1,1,1-Trichloroethane	24.	U	22.	U	23.	U	23.	U	10.	UJ	10.	UJ
56-23-5	Carbon tetrachloride	18.	U	16.	U	17.	U	17.	U	10.	UJ	10.	UJ
75-27-4	Bromodichloromethane	24.	U	22.	U	23.	U	23.	U	10.	UJ	10.	UJ
78-87-5	1,2-Dichloropropane	24.	U	22.	U	23.	U	23.	U	10.	UJ	10.	UJ
10061-01-5	cis-1,3-Dichloropropene	12.	U	11.	U	11.	U	11.	U	15.	UJ	15.	UJ
79-01-6	Trichloroethene	24.	U	22.	U	23.	U	23.	U	5.	UJ	5.	UJ
124-48-1	Dibromochloromethane	18.	U	16.	U	17.	U	17.	U	10.	UJ	10.	UJ
79-00-5	1,1,2-Trichloroethane	18.	U	16.	U	17.	U	17.	U	5.	UJ	5.	UJ
71-43-2	Benzene	18.	U	16.	U	17.	U	17.	U	10.	UJ	10.	UJ
10061-02-6	trans-1,3-Dichloropropene	18.	U	16.	U	17.	U	17.	U	10.	UJ	10.	UJ
75-25-2	Bromoform	18.	U	16.	U	17.	U	17.	U	10.	UJ	10.	UJ
108-10-1	4-Methyl-2-Pentanone (MIBK)	30.	U	27.	U	28.	U	28.	U	10.	UJ	10.	UJ
591-78-6	2-Hexanone	42.	U	38.	U	40.	U	40.	U	15.	UJ	15.	UJ
127-18-4	Tetrachloroethene	18.	U	16.	U	17.	U	17.	U	10.	UJ	10.	UJ
79-34-5	1,1,2,2-Tetrachloroethane	12.	U	11.	U	11.	U	11.	U	10.	UJ	10.	UJ
108-88-3	Toluene	18.	U	16.	U	17.	U	17.	U	5.	UJ	5.	UJ
108-90-7	Chlorobenzene	18.	U	16.	U	17.	U	17.	U	10.	UJ	10.	UJ
100-41-4	Ethylbenzene	18.	U	16.	U	17.	U	17.	U	10.	UJ	10.	UJ
100-42-5	Styrene	12.	U	11.	U	11.	U	11.	U	5.	UJ	5.	UJ
1330-20-7	Xylene (Total)	24.	U	22.	U	23.	U	23.	U	15.	UJ	15.	UJ
107-02-8	Acrolein	270.	U	250.	U	260.	U	260.	U	90.	UJ	90.	UJ
354-58-5	1,1,1-trichloro-2,2,2-trifluoromethane	18.	U	16.	U	17.	U	17.	U	15.	UJ	15.	UJ
75-69-4	Trichlorofluoromethane	24.	U	22.	U	23.	U	23.	U	10.	UJ	10.	UJ
76-13-1	Trichlorotrifluoroethane (Freon 113)	12.	U	11.	U	11.	U	11.	U	25.	UJ	25.	UJ

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA	SAMPLE ID ------->	523-S-B001-02	523-S-B002-01	523-S-B002-02	523-C-B002-02	523-G-W001-01	523-H-W001-01
	ORIGINAL ID ----->	523SB00102	523SB00201	523SB00202	523CB00202	523GW00101	523HW00101
	LAB SAMPLE ID --->	698011	698005	697994	698036	732761	732772
	ID FROM REPORT -->	523SB00102	523SB00201	523SB00202	523CB00202	523GW00101	523HW00101
	SAMPLE DATE ----->	04/03/95	04/03/95	04/03/95	04/03/95	06/15/95	06/15/95
	DATE ANALYZED --->	04/07/95	04/07/95	04/07/95	04/07/95	06/24/95	06/24/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Water	Water
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/L	UG/L

CAS #	Parameter	0004V	VAL	0004V	VAL	0004V	VAL	0004V	VAL	0018V	VAL	0018V	VAL
74-88-4	Methyl iodide	12.	U	11.	U	11.	U	11.	U	5.	UJ	5.	UJ
107-05-1	3-Chloropropene	18.	U	16.	U	17.	U	17.	U	15.	UJ	15.	UJ
75-05-8	Acetonitrile	240.	U	220.	U	230.	U	230.	U	60.	UJ	60.	UJ
107-13-1	Acrylonitrile	250.	U	230.	U	240.	U	240.	U	95.	UJ	95.	UJ
108-05-4	Vinyl acetate	24.	U	22.	U	23.	U	23.	U	10.	UJ	10.	UJ
107-12-0	Propionitrile	700.	U	640.	U	670.	U	670.	U	220.	UJ	220.	UJ
126-98-7	Methacrylonitrile	24.	U	22.	U	23.	U	23.	U	20.	UJ	20.	UJ
4170-30-3	Crotonaldehyde	650.	UR	600.	UR	620.	UR	620.	UR	300.	UR	300.	UR
78-83-1	Isobutyl alcohol	15000.	UR	14000.	UR	15000.	UR	15000.	UR	2800.	UR	2800.	UR
74-95-3	Methylene bromide	24.	U	22.	U	23.	U	23.	U	10.	UJ	10.	UJ
80-62-6	Methyl methacrylate	60.	U	54.	U	57.	U	57.	U	20.	UJ	20.	UJ
123-91-1	1,4-Dioxane	61000.	UR	55000.	UR	58000.	UR	58000.	UR	3700.	UR	3700.	UR
110-75-8	2-Chloroethyl vinyl ether	18.	UR	16.	UR	17.	UR	17.	UR	10.	UR	10.	UR
97-63-2	Ethyl methacrylate	30.	U	27.	U	28.	U	28.	U	10.	UJ	10.	UJ
106-93-4	1, 2-Dibromoethane	24.	U	22.	U	23.	U	23.	U	10.	UJ	10.	UJ
630-20-6	1,1,1,2-Tetrachloroethane	24.	U	22.	U	23.	U	23.	U	10.	UJ	10.	UJ
1476-11-5	Cis-1,4-Dichloro-2-Butene	24.	U	22.	U	23.	U	23.	U	5.	UJ	5.	UJ
96-18-4	1,2,3-Trichloropropane	24.	U	22.	U	23.	U	23.	U	10.	UJ	10.	UJ
110-57-6	trans-1,4-Dichloro-2-butene	24.	U	22.	U	23.	U	23.	U	10.	UJ	10.	UJ
96-12-8	1,2-Dibromo-3-Chloropropane	60.	U	54.	U	57.	U	57.	U	10.	UJ	10.	UJ

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA	SAMPLE ID ------->	523-G-W002-01	GDC-S-B001-01	GDC-S-B001-02	GDC-S-B002-01	GDC-S-B003-01	GDC-S-B004-01
	ORIGINAL ID ----->	523GW00201	GRDSB00101	GRDSB00102	GRDSB00201	GRDSB00301	GRDSB00401
	LAB SAMPLE ID --->	730795	690526	690527	689927	691123	703503
	ID FROM REPORT -->	523GW00201	GRDSB00101	GRDSB00102	GRDSB00201	GRDSB00301	GRDSB00401
	SAMPLE DATE ----->	06/12/95	03/15/95	03/15/95	03/13/95	03/17/95	04/14/95
	DATE ANALYZED --->	06/16/95	03/20/95	03/20/95	03/17/95	03/21/95	04/26/95
	MATRIX ---------->	Water	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/L	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0017V	VAL	0001V	VAL	0001V	VAL	0001V	VAL	0002V	VAL	0012V	VAL
74-87-3	Chloromethane	15.	U	39.	U	37.	U	39.	U	40.	U	40.	U
74-83-9	Bromomethane	10.	U	22.	U	21.	U	22.	U	23.	U	23.	U
75-01-4	Vinyl chloride	10.	U	22.	U	21.	U	22.	U	23.	U	23.	U
75-00-3	Chloroethane	10.	U	22.	U	21.	U	22.	U	23.	U	23.	U
75-09-2	Methylene chloride	10.	U	22.	UJ	21.	UJ	56.	UJ	23.	UJ	24.	U
67-64-1	Acetone	15.	UJ	100.	UJ	96.	UJ	100.	UJ	35.	J	40.	U
75-15-0	Carbon disulfide	10.	U	11.	U	11.	U	11.	U	11.	UJ	11.	U
75-35-4	1,1-Dichloroethene	5.	U	22.	U	21.	U	22.	U	23.	U	23.	U
75-34-3	1,1-Dichloroethane	5.	U	17.	U	16.	U	17.	U	17.	U	17.	U
540-59-0	1,2-Dichloroethene (total)	10.	U	50.	U	48.	U	50.	U	51.	U	51.	U
67-66-3	Chloroform	5.	U	17.	U	16.	U	17.	U	17.	U	17.	U
107-06-2	1,2-Dichloroethane	5.	U	11.	U	11.	U	11.	U	11.	U	11.	U
78-93-3	2-Butanone (MEK)	20.	U	39.	UJ	37.	UJ	39.	U	40.	U	40.	UJ
71-55-6	1,1,1-Trichloroethane	10.	U	22.	U	21.	U	22.	U	23.	U	23.	UJ
56-23-5	Carbon tetrachloride	10.	U	17.	U	16.	U	17.	U	17.	U	17.	UJ
75-27-4	Bromodichloromethane	10.	U	22.	U	21.	U	22.	U	23.	U	23.	U
78-87-5	1,2-Dichloropropane	10.	U	22.	U	21.	U	22.	U	23.	U	23.	U
10061-01-5	cis-1,3-Dichloropropene	15.	U	11.	U	11.	U	11.	U	11.	U	11.	UJ
79-01-6	Trichloroethene	5.	U	22.	U	21.	U	22.	U	23.	U	23.	U
124-48-1	Dibromochloromethane	10.	U	17.	U	16.	U	17.	U	17.	U	17.	U
79-00-5	1,1,2-Trichloroethane	5.	U	17.	U	16.	U	17.	U	17.	U	17.	U
71-43-2	Benzene	10.	U	17.	U	16.	U	17.	U	17.	U	17.	U
10061-02-6	trans-1,3-Dichloropropene	10.	U	17.	U	16.	U	17.	U	17.	U	17.	U
75-25-2	Bromoform	10.	U	17.	U	16.	U	17.	U	17.	U	17.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	10.	U	28.	U	27.	U	28.	U	28.	UJ	28.	U
591-78-6	2-Hexanone	15.	U	39.	U	37.	U	39.	U	40.	U	40.	UJ
127-18-4	Tetrachloroethene	10.	U	17.	U	16.	U	17.	U	17.	U	17.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U	11.	U	11.	U	11.	U	11.	U	11.	UJ
108-88-3	Toluene	5.	U	2.	J	1.	J	17.	U	17.	U	17.	U
108-90-7	Chlorobenzene	10.	U	17.	U	16.	U	17.	U	17.	U	17.	U
100-41-4	Ethylbenzene	10.	U	17.	U	16.	U	17.	U	17.	U	17.	U
100-42-5	Styrene	5.	U	11.	U	11.	U	11.	U	11.	U	11.	U
1330-20-7	Xylene (Total)	15.	U	22.	U	21.	U	22.	U	23.	U	23.	U
107-02-8	Acrolein	90.	U	260.	UJ	240.	UJ	260.	U	260.	U	260.	U
354-58-5	1,1,1-trichloro-2,2,2-trifluoromethane	15.	U	17.	U	16.	U	17.	U	17.	U	17.	U
75-69-4	Trichlorofluoromethane	10.	U	22.	U	21.	U	22.	U	23.	U	23.	UJ
76-13-1	Trichlorotrifluoroethane (Freon 113)	25.	U	11.	U	11.	U	11.	U	11.	U	11.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA	SAMPLE ID ------->	523-G-W002-01	GDC-S-B001-01	GDC-S-B001-02	GDC-S-B002-01	GDC-S-B003-01	GDC-S-B004-01
	ORIGINAL ID ----->	523GW00201	GRDSB00101	GRDSB00102	GRDSB00201	GRDSB00301	GRDSB00401
	LAB SAMPLE ID --->	730795	690526	690527	689927	691123	703503
	ID FROM REPORT -->	523GW00201	GRDSB00101	GRDSB00102	GRDSB00201	GRDSB00301	GRDSB00401
	SAMPLE DATE ----->	06/12/95	03/15/95	03/15/95	03/13/95	03/17/95	04/14/95
	DATE ANALYZED --->	06/16/95	03/20/95	03/20/95	03/17/95	03/21/95	04/26/95
	MATRIX ---------->	Water	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/L	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0017V	VAL	0001V	VAL	0001V	VAL	0001V	VAL	0002V	VAL	0012V	VAL
74-88-4	Methyl iodide	5.	U	11.	U	11.	U	11.	U	11.	U	11.	U
107-05-1	3-Chloropropene	15.	U	17.	UJ	16.	UJ	17.	U	17.	U	17.	U
75-05-8	Acetonitrile	60.	U	220.	UJ	210.	UJ	220.	UJ	230.	U	230.	U
107-13-1	Acrylonitrile	95.	U	230.	UJ	220.	UJ	230.	U	240.	U	240.	U
108-05-4	Vinyl acetate	10.	U	22.	UJ	21.	UJ	22.	U	23.	U	23.	U
107-12-0	Propionitrile	220.	UR	660.	UJ	630.	UJ	660.	U	670.	UJ	670.	U
126-98-7	Methacrylonitrile	20.	U	22.	UJ	21.	UJ	22.	U	23.	U	23.	UJ
4170-30-3	Crotonaldehyde	300.	UR	610.	UR	590.	UR	610.	UR	620.	UR	620.	UR
78-83-1	Isobutyl alcohol	2800.	UR	14000.	UR	14000.	UR	14000.	UR	15000.	UR	15000.	UR
74-95-3	Methylene bromide	10.	U	22.	U	21.	U	22.	U	23.	U	23.	U
80-62-6	Methyl methacrylate	20.	UR	56.	U	53.	U	56.	U	57.	U	57.	UJ
123-91-1	1,4-Dioxane	3700.	UR	57000.	UR	54000.	UR	57000.	UR	58000.	UR	58000.	UR
110-75-8	2-Chloroethyl vinyl ether	10.	U	17.	U	16.	U	17.	U	17.	U	17.	UR
97-63-2	Ethyl methacrylate	10.	U	28.	U	27.	U	28.	U	28.	U	28.	U
106-93-4	1, 2-Dibromoethane	10.	U	22.	U	21.	U	22.	U	23.	U	23.	U
630-20-6	1,1,1,2-Tetrachloroethane	10.	U	22.	U	21.	U	22.	U	23.	U	23.	U
1476-11-5	Cis-1,4-Dichloro-2-Butene	5.	UR	22.	U	21.	U	22.	U	23.	U	23.	U
96-18-4	1,2,3-Trichloropropane	10.	U	22.	U	21.	U	22.	U	23.	U	23.	U
110-57-6	trans-1,4-Dichloro-2-butene	10.	UR	22.	U	21.	U	22.	U	23.	U	23.	U
96-12-8	1,2-Dibromo-3-Chloropropane	10.	U	56.	U	53.	U	56.	U	57.	U	57.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA	SAMPLE ID ------>	GDC-S-B004-02		GDC-S-B005-01		GDC-S-B006-01		GDC-S-B007-01		GDC-S-B008-01		GDC-S-B008-02	
	ORIGINAL ID ----->	GRDSB00402		GRDSB00501		GRDSB00601		GRDSB00701		GRDSB00801		GRDSB00802	
	LAB SAMPLE ID --->	703509		691114		691090		703438		691129		691135	
	ID FROM REPORT -->	GRDSB00402		GRDSB00501		GRDSB00601		GRDSB00701		GRDSB00801		GRDSB00802	
	SAMPLE DATE ----->	04/14/95		03/17/95		03/17/95		04/14/95		03/17/95		03/17/95	
	DATE ANALYZED --->	04/26/95		03/21/95		03/21/95		04/25/95		03/21/95		03/21/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0012V	VAL	0002V	VAL	0001V	VAL	0010V	VAL	0002V	VAL	0002V	VAL
74-87-3	Chloromethane	66.	U	41.	U	41.	UJ	38.	UJ	39.	U	43.	U
74-83-9	Bromomethane	38.	U	24.	U	24.	U	22.	U	22.	U	24.	U
75-01-4	Vinyl chloride	38.	U	24.	U	24.	U	22.	U	22.	U	24.	U
75-00-3	Chloroethane	38.	U	24.	U	24.	U	22.	U	22.	U	24.	U
75-09-2	Methylene chloride	64.	U	24.	UJ	26.	UJ	22.	UJ	22.	UJ	24.	UJ
67-64-1	Acetone	110.	U	22.	J	110.	UJ	100.	UJ	12.	J	29.	J
75-15-0	Carbon disulfide	19.	U	12.	UJ	12.	UJ	11.	U	11.	UJ	12.	UJ
75-35-4	1,1-Dichloroethene	38.	U	24.	U	24.	U	22.	U	22.	U	24.	U
75-34-3	1,1-Dichloroethane	28.	U	18.	U	18.	U	16.	U	17.	U	18.	U
540-59-0	1,2-Dichloroethene (total)	85.	U	53.	U	53.	U	49.	U	51.	U	55.	U
67-66-3	Chloroform	28.	U	18.	U	18.	U	16.	U	17.	U	18.	U
107-06-2	1,2-Dichloroethane	19.	U	12.	U	12.	U	11.	U	11.	U	12.	U
78-93-3	2-Butanone (MEK)	66.	UJ	41.	U	41.	U	38.	U	39.	U	43.	U
71-55-6	1,1,1-Trichloroethane	38.	UJ	24.	U	24.	U	22.	UJ	22.	U	24.	U
56-23-5	Carbon tetrachloride	28.	UJ	18.	U	18.	U	16.	UJ	17.	U	18.	U
75-27-4	Bromodichloromethane	38.	U	24.	U	24.	U	22.	U	22.	U	24.	U
78-87-5	1,2-Dichloropropane	38.	U	24.	U	24.	U	22.	U	22.	U	24.	U
10061-01-5	cis-1,3-Dichloropropene	19.	UJ	12.	U	12.	U	11.	U	11.	U	12.	U
79-01-6	Trichloroethene	38.	U	24.	U	24.	U	22.	U	22.	U	24.	U
124-48-1	Dibromochloromethane	28.	U	18.	U	18.	U	16.	UJ	17.	U	18.	U
79-00-5	1,1,2-Trichloroethane	28.	U	18.	U	18.	U	16.	U	17.	U	18.	U
71-43-2	Benzene	28.	U	18.	U	18.	U	16.	U	17.	U	18.	U
10061-02-6	trans-1,3-Dichloropropene	28.	U	18.	U	18.	U	16.	UJ	17.	U	18.	U
75-25-2	Bromoform	28.	U	18.	U	18.	U	16.	UJ	17.	U	18.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	47.	U	29.	UJ	29.	U	27.	U	28.	UJ	30.	UJ
591-78-6	2-Hexanone	66.	UJ	41.	U	41.	U	38.	U	39.	U	43.	U
127-18-4	Tetrachloroethene	28.	U	18.	U	18.	U	16.	U	17.	U	18.	U
79-34-5	1,1,2,2-Tetrachloroethane	19.	UJ	12.	U	12.	U	11.	U	11.	U	12.	U
108-88-3	Toluene	28.	U	2.	J	18.	U	16.	U	2.	J	18.	U
108-90-7	Chlorobenzene	28.	U	18.	U	18.	U	16.	U	17.	U	18.	U
100-41-4	Ethylbenzene	28.	U	18.	U	18.	U	16.	U	17.	U	18.	U
100-42-5	Styrene	19.	U	12.	U	12.	U	11.	U	11.	U	12.	U
1330-20-7	Xylene (Total)	38.	U	24.	U	24.	U	22.	U	22.	U	24.	U
107-02-8	Acrolein	430.	U	270.	U	270.	U	250.	UJ	260.	U	280.	U
354-58-5	1,1,1-trichloro-2,2,2-trifluoromethane	28.	U	18.	U	18.	U	16.	U	17.	U	18.	U
75-69-4	Trichlorofluoromethane	38.	UJ	24.	U	24.	U	22.	U	22.	U	24.	U
76-13-1	Trichlorotrifluoroethane (Freon 113)	19.	U	12.	U	12.	U	11.	U	11.	U	12.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA		GDC-S-B004-02		GDC-S-B005-01		GDC-S-B006-01		GDC-S-B007-01		GDC-S-B008-01		GDC-S-B008-02	
	SAMPLE ID ------->	GDC-S-B004-02		GDC-S-B005-01		GDC-S-B006-01		GDC-S-B007-01		GDC-S-B008-01		GDC-S-B008-02	
	ORIGINAL ID ----->	GRDSB00402		GRDSB00501		GRDSB00601		GRDSB00701		GRDSB00801		GRDSB00802	
	LAB SAMPLE ID --->	703509		691114		691090		703438		691129		691135	
	ID FROM REPORT -->	GRDSB00402		GRDSB00501		GRDSB00601		GRDSB00701		GRDSB00801		GRDSB00802	
	SAMPLE DATE ----->	04/14/95		03/17/95		03/17/95		04/14/95		03/17/95		03/17/95	
	DATE ANALYZED --->	04/26/95		03/21/95		03/21/95		04/25/95		03/21/95		03/21/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0012V	VAL	0002V	VAL	0001V	VAL	0010V	VAL	0002V	VAL	0002V	VAL
74-88-4	Methyl iodide	19.	U	12.	U	12.	U	11.	U	11.	U	12.	U
107-05-1	3-Chloropropene	28.	U	18.	U	18.	UJ	16.	U	17.	U	18.	U
75-05-8	Acetonitrile	380.	U	240.	U	240.	U	220.	U	220.	U	240.	U
107-13-1	Acrylonitrile	400.	U	250.	U	250.	U	230.	U	240.	U	260.	U
108-05-4	Vinyl acetate	38.	U	24.	U	24.	U	22.	UJ	22.	U	24.	U
107-12-0	Propionitrile	1100.	U	690.	UJ	690.	U	650.	UR	660.	UJ	720.	UJ
126-98-7	Methacrylonitrile	38.	UJ	24.	U	24.	U	22.	U	22.	U	24.	U
4170-30-3	Crotonaldehyde	1000.	UR	650.	UR	650.	UR	600.	UR	620.	UR	670.	UR
78-83-1	Isobutyl alcohol	25000.	UR	15000.	UR	15000.	UR	14000.	UR	15000.	UR	16000.	UR
74-95-3	Methylene bromide	38.	U	24.	U	24.	U	22.	U	22.	U	24.	U
80-62-6	Methyl methacrylate	94.	UJ	59.	U	59.	U	55.	U	56.	U	61.	U
123-91-1	1,4-Dioxane	96000.	UR	60000.	UR	60000.	UR	56000.	UR	57000.	UR	62000.	UR
110-75-8	2-Chloroethyl vinyl ether	28.	UR	18.	U	18.	U	16.	UR	17.	U	18.	U
97-63-2	Ethyl methacrylate	47.	U	29.	U	29.	U	27.	U	28.	U	30.	U
106-93-4	1, 2-Dibromoethane	38.	U	24.	U	24.	U	22.	U	22.	U	24.	U
630-20-6	1,1,1,2-Tetrachloroethane	38.	U	24.	U	24.	U	22.	U	22.	U	24.	U
1476-11-5	Cis-1,4-Dichloro-2-Butene	38.	U	24.	U	24.	U	22.	UJ	22.	U	24.	U
96-18-4	1,2,3-Trichloropropane	38.	U	24.	U	24.	U	22.	U	22.	U	24.	U
110-57-6	trans-1,4-Dichloro-2-butene	38.	U	24.	U	24.	U	22.	UJ	22.	U	24.	U
96-12-8	1,2-Dibromo-3-Chloropropane	94.	U	59.	U	59.	U	55.	UJ	56.	U	61.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA													
	SAMPLE ID ------->	GDC-S-B009-01		GDC-S-B009-02		GDC-C-B013-01		GDC-C-B017-01		GDC-C-B023-02		GDC-C-B035-02	
	ORIGINAL ID ----->	GRDSB00901		GRDSB00902		GRDCB01301		GRDCB01701		GRDCB02302		GRDCB03502	
	LAB SAMPLE ID --->	696971		697004		702010		702576		701992		702425	
	ID FROM REPORT -->	GRDSB00901		GRDSB00902		GRDCB01301		GRDCB01701		GRDCB02302		GRDCB03502	
	SAMPLE DATE ----->	03/31/95		03/31/95		04/11/95		04/10/95				04/12/95	
	DATE ANALYZED --->	04/08/95		04/08/95		04/25/95		04/23/95		04/25/95		04/23/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0003V	VAL	0003V	VAL	0006V	VAL	0010V	VAL	0006V	VAL	0010V	VAL
74-87-3	Chloromethane	40.	U	40.	U	37.	UJ	39.	U	36.	UJ	44.	U
74-83-9	Bromomethane	23.	U	23.	U	21.	U	22.	U	21.	U	25.	U
75-01-4	Vinyl chloride	23.	U	23.	U	21.	U	22.	U	21.	U	25.	U
75-00-3	Chloroethane	23.	U	23.	U	21.	U	22.	U	21.	U	25.	U
75-09-2	Methylene chloride	24.	UJ	23.	UJ	21.	UJ	14.	J	21.	UJ	25.	UJ
67-64-1	Acetone	100.	U	31.	U	95.	UJ	100.	UJ	95.	UJ	110.	UJ
75-15-0	Carbon disulfide	11.	U	11.	U	11.	U	11.	U	10.	U	13.	U
75-35-4	1,1-Dichloroethene	23.	U	23.	U	21.	U	22.	U	21.	U	25.	U
75-34-3	1,1-Dichloroethane	17.	U	17.	U	16.	U	17.	U	16.	U	19.	U
540-59-0	1,2-Dichloroethene (total)	52.	U	51.	U	47.	U	51.	U	47.	U	57.	U
67-66-3	Chloroform	17.	U	17.	U	16.	U	17.	U	16.	U	19.	U
107-06-2	1,2-Dichloroethane	11.	U	11.	U	11.	U	11.	UJ	10.	U	13.	UJ
78-93-3	2-Butanone (MEK)	40.	U	40.	UJ	37.	U	39.	U	36.	U	44.	UJ
71-55-6	1,1,1-Trichloroethane	23.	U	23.	U	21.	UJ	22.	UJ	21.	U	25.	UJ
56-23-5	Carbon tetrachloride	17.	U	17.	U	16.	UJ	17.	UJ	16.	UJ	19.	UJ
75-27-4	Bromodichloromethane	23.	U	23.	U	21.	U	22.	U	21.	U	25.	U
78-87-5	1,2-Dichloropropane	23.	U	23.	U	21.	U	22.	U	21.	U	25.	U
10061-01-5	cis-1,3-Dichloropropene	11.	U	11.	U	11.	U	11.	UJ	10.	U	13.	UJ
79-01-6	Trichloroethene	23.	U	23.	U	21.	U	22.	U	21.	U	25.	U
124-48-1	Dibromochloromethane	17.	U	17.	U	16.	UJ	17.	U	16.	UJ	19.	UJ
79-00-5	1,1,2-Trichloroethane	17.	U	17.	U	16.	U	17.	U	16.	U	19.	U
71-43-2	Benzene	17.	U	17.	U	16.	U	17.	U	16.	U	19.	U
10061-02-6	trans-1,3-Dichloropropene	17.	U	17.	U	16.	UJ	17.	UJ	16.	UJ	19.	UJ
75-25-2	Bromoform	17.	U	17.	U	16.	UJ	17.	UJ	16.	UJ	19.	UJ
108-10-1	4-Methyl-2-Pentanone (MIBK)	29.	U	28.	U	26.	U	28.	U	26.	U	32.	U
591-78-6	2-Hexanone	40.	U	40.	U	37.	U	39.	U	36.	U	44.	U
127-18-4	Tetrachloroethene	17.	U	17.	U	16.	U	17.	UJ	16.	U	19.	UJ
79-34-5	1,1,2,2-Tetrachloroethane	11.	U	11.	U	11.	U	11.	U	10.	U	13.	U
108-88-3	Toluene	17.	U	17.	U	16.	U	17.	U	16.	U	19.	U
108-90-7	Chlorobenzene	17.	U	17.	U	16.	U	17.	U	16.	U	19.	U
100-41-4	Ethylbenzene	17.	U	17.	U	16.	U	17.	U	16.	U	19.	U
100-42-5	Styrene	11.	U	11.	U	11.	U	11.	U	10.	U	13.	U
1330-20-7	Xylene (Total)	23.	U	23.	U	21.	U	22.	U	21.	U	25.	U
107-02-8	Acrolein	260.	U	260.	U	240.	UJ	260.	U	240.	UJ	290.	U
354-58-5	1,1,1-trichloro-2,2,2-trifluoromethane	17.	U	17.	U	16.	U	17.	U	16.	U	19.	U
75-69-4	Trichlorofluoromethane	23.	U	23.	U	21.	U	22.	UJ	21.	U	25.	UJ
76-13-1	Trichlorotrifluoroethane (Freon 113)	11.	U	11.	U	11.	U	11.	U	10.	U	13.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA	SAMPLE ID ------->	GDC-S-B009-01	GDC-S-B009-02	GDC-C-B013-01	GDC-C-B017-01	GDC-C-B023-02	GDC-C-B035-02
	ORIGINAL ID ----->	GRDSB00901	GRDSB00902	GRDCB01301	GRDCB01701	GRDCB02302	GRDCB03502
	LAB SAMPLE ID --->	696971	697004	702010	702576	701992	702425
	ID FROM REPORT -->	GRDSB00901	GRDSB00902	GRDCB01301	GRDCB01701	GRDCB02302	GRDCB03502
	SAMPLE DATE ----->	03/31/95	03/31/95	04/11/95	04/10/95		04/12/95
	DATE ANALYZED --->	04/08/95	04/08/95	04/25/95	04/23/95	04/25/95	04/23/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	0003V	VAL	0003V	VAL	0006V	VAL	0010V	VAL	0006V	VAL	0010V	VAL
74-88-4	Methyl iodide	11.	U	11.	U	11.	U	11.	U	10.	U	13.	U
107-05-1	3-Chloropropene	17.	U	17.	U	16.	U	17.	U	16.	U	19.	U
75-05-8	Acetonitrile	230.	U	230.	U	210.	U	220.	U	210.	U	250.	U
107-13-1	Acrylonitrile	240.	U	240.	U	220.	U	240.	U	220.	U	270.	U
108-05-4	Vinyl acetate	23.	U	23.	U	21.	UJ	22.	U	21.	UJ	25.	U
107-12-0	Propionitrile	680.	U	670.	U	620.	UR	660.	U	610.	UR	750.	U
126-98-7	Methacrylonitrile	23.	U	23.	U	21.	U	22.	U	21.	U	25.	U
4170-30-3	Crotonaldehyde	630.	UR	620.	UR	580.	UR	620.	UR	570.	UR	700.	UR
78-83-1	Isobutyl alcohol	15000.	UR	15000.	UR	14000.	UR	15000.	UR	14000.	UR	16000.	UR
74-95-3	Methylene bromide	23.	U	23.	U	21.	U	22.	U	21.	U	25.	U
80-62-6	Methyl methacrylate	57.	UJ	57.	U	53.	U	56.	U	52.	U	63.	UJ
123-91-1	1,4-Dioxane	59000.	UR	58000.	UR	54000.	UR	57000.	UR	53000.	UR	65000.	UR
110-75-8	2-Chloroethyl vinyl ether	17.	UR	17.	UR	16.	UR	17.	UR	16.	UR	19.	UR
97-63-2	Ethyl methacrylate	29.	U	28.	U	26.	U	28.	U	26.	U	32.	U
106-93-4	1, 2-Dibromoethane	23.	U	23.	U	21.	U	22.	U	21.	U	25.	U
630-20-6	1,1,1,2-Tetrachloroethane	23.	U	23.	U	21.	U	22.	UJ	21.	U	25.	U
1476-11-5	Cis-1,4-Dichloro-2-Butene	23.	U	23.	U	21.	UJ	22.	U	21.	UJ	25.	U
96-18-4	1,2,3-Trichloropropane	23.	U	23.	U	21.	U	22.	U	21.	U	25.	U
110-57-6	trans-1,4-Dichloro-2-butene	23.	UJ	23.	U	21.	UJ	22.	U	21.	UJ	25.	U
96-12-8	1,2-Dibromo-3-Chloropropane	57.	UJ	57.	U	53.	UJ	56.	UJ	52.	UJ	63.	U

*** Validation Complete ***

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SW846-VOA

	SAMPLE ID ------->	GDC-S-B038-01		GDC-S-B038-02		GDC-S-B039-01		GDC-S-B039-02		GDC-S-B040-01		GDC-C-B045-01	
	ORIGINAL ID ----->	GDCSB03801		GDCSB03802		GDCSB03901		GDCSB03902		GDCSB04001		GDCCB04501	
	LAB SAMPLE ID --->	737120		737155		737198		737239		737245		736437	
	ID FROM REPORT -->	GDCSB03801		GDCSB03802		GDCSB03901		GDCSB03902		GDCSB04001		GDCCB04501	
	SAMPLE DATE ----->	06/29/95		06/29/95		06/29/95		06/29/95		06/29/95		06/27/95	
	DATE ANALYZED --->	07/03/95		07/03/95		07/11/95		07/11/95		07/11/95		06/30/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0021V	VAL	0021V	VAL	0022V	VAL	0022V	VAL	0022V	VAL	0021V	VAL
74-87-3	Chloromethane	39.	U	39.	U	38.	U	38.	U	39.	U	37.	U
74-83-9	Bromomethane	22.	U	22.	U	22.	U	22.	U	22.	U	21.	U
75-01-4	Vinyl chloride	22.	U	22.	U	22.	U	22.	U	22.	U	21.	U
75-00-3	Chloroethane	22.	U	22.	U	22.	U	22.	U	22.	U	21.	U
75-09-2	Methylene chloride	22.	U	22.	U	22.	U	22.	U	22.	U	21.	U
67-64-1	Acetone	100.	UJ	100.	UJ	98.	UJ	98.	UJ	100.	UJ	95.	U
75-15-0	Carbon disulfide	11.	U	11.	U	11.	U	11.	U	11.	U	11.	U
75-35-4	1,1-Dichloroethene	22.	U	22.	U	22.	U	22.	U	22.	U	21.	U
75-34-3	1,1-Dichloroethane	17.	U	17.	U	16.	U	16.	U	17.	U	16.	U
540-59-0	1,2-Dichloroethene (total)	50.	U	50.	U	49.	U	49.	U	51.	U	47.	U
67-66-3	Chloroform	17.	U	17.	U	16.	U	16.	U	17.	U	16.	U
107-06-2	1,2-Dichloroethane	11.	U	11.	U	11.	U	11.	U	11.	U	11.	U
78-93-3	2-Butanone (MEK)	39.	UJ	39.	UJ	38.	UJ	38.	UJ	39.	UJ	37.	UJ
71-55-6	1,1,1-Trichloroethane	22.	U	22.	U	22.	U	22.	U	22.	U	21.	U
56-23-5	Carbon tetrachloride	17.	U	17.	U	16.	U	16.	U	17.	U	16.	U
75-27-4	Bromodichloromethane	22.	U	22.	U	22.	U	22.	U	22.	U	21.	U
78-87-5	1,2-Dichloropropane	22.	U	22.	U	22.	U	22.	U	22.	U	21.	U
10061-01-5	cis-1,3-Dichloropropene	11.	U	11.	U	11.	U	11.	U	11.	U	11.	U
79-01-6	Trichloroethene	22.	U	22.	U	22.	U	22.	U	22.	U	21.	U
124-48-1	Dibromochloromethane	17.	U	17.	U	16.	U	16.	U	17.	U	16.	U
79-00-5	1,1,2-Trichloroethane	17.	U	17.	U	16.	U	16.	U	17.	U	16.	U
71-43-2	Benzene	17.	U	17.	U	16.	U	16.	U	17.	U	16.	U
10061-02-6	trans-1,3-Dichloropropene	17.	U	17.	U	16.	U	16.	U	17.	U	16.	U
75-25-2	Bromoform	17.	U	17.	U	16.	U	16.	U	17.	U	16.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	28.	U	28.	U	27.	U	27.	U	28.	U	26.	U
591-78-6	2-Hexanone	39.	U	39.	U	38.	UJ	38.	UJ	39.	UJ	37.	U
127-18-4	Tetrachloroethene	17.	U	17.	U	16.	U	16.	U	17.	U	16.	U
79-34-5	1,1,2,2-Tetrachloroethane	11.	U	11.	U	11.	U	11.	U	11.	U	11.	U
108-88-3	Toluene	17.	U	17.	U	16.	U	16.	U	17.	U	16.	U
108-90-7	Chlorobenzene	17.	U	17.	U	16.	U	16.	U	17.	U	16.	U
100-41-4	Ethylbenzene	17.	U	17.	U	16.	U	16.	U	17.	U	16.	U
100-42-5	Styrene	11.	U	11.	U	11.	U	11.	U	11.	U	11.	U
1330-20-7	Xylene (Total)	22.	U	22.	U	22.	U	22.	U	22.	U	21.	U
107-02-8	Acrolein	260.	U	260.	U	250.	UJ	250.	UJ	260.	UJ	240.	UJ
354-58-5	1,1,1-trichloro-2,2,2-trifluoromethane	17.	U	17.	U	16.	U	16.	U	17.	U	16.	U
75-69-4	Trichlorofluoromethane	22.	UJ	22.	UJ	22.	UJ	22.	UJ	22.	UJ	21.	U
76-13-1	Trichlorotrifluoroethane (Freon 113)	11.	U	11.	U	11.	U	11.	U	11.	U	11.	U

*** Validati Complete ***

CHARLESTON - ZONE C
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FINAL REPORT

SW846-VOA	SAMPLE ID ------->	GDC-S-B038-01		GDC-S-B038-02		GDC-S-B039-01		GDC-S-B039-02		GDC-S-B040-01		GDC-C-B045-01	
	ORIGINAL ID ----->	GDCSB03801		GDCSB03802		GDCSB03901		GDCSB03902		GDCSB04001		GDCCB04501	
	LAB SAMPLE ID --->	737120		737155		737198		737239		737245		736437	
	ID FROM REPORT -->	GDCSB03801		GDCSB03802		GDCSB03901		GDCSB03902		GDCSB04001		GDCCB04501	
	SAMPLE DATE ----->	06/29/95		06/29/95		06/29/95		06/29/95		06/29/95		06/27/95	
	DATE ANALYZED --->	07/03/95		07/03/95		07/11/95		07/11/95		07/11/95		06/30/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	0021V	VAL	0021V	VAL	0022V	VAL	0022V	VAL	0022V	VAL	0021V	VAL
74-88-4	Methyl iodide	11.	U	11.	U	11.	U	11.	U	11.	U	11.	U
107-05-1	3-Chloropropene	17.	U	17.	U	16.	U	16.	U	17.	U	16.	U
75-05-8	Acetonitrile	220.	U	220.	U	220.	U	220.	U	220.	U	210.	U
107-13-1	Acrylonitrile	230.	U	230.	U	230.	UJ	230.	UJ	240.	UJ	220.	U
108-05-4	Vinyl acetate	22.	U	22.	U	22.	UJ	22.	UJ	22.	UJ	21.	U
107-12-0	Propionitrile	660.	U	660.	U	640.	UJ	640.	UJ	660.	UJ	620.	U
126-98-7	Methacrylonitrile	22.	U	22.	U	22.	UJ	22.	UJ	22.	UJ	21.	U
4170-30-3	Crotonaldehyde	610.	UR	610.	UR	600.	UR	600.	UR	620.	UR	580.	UR
78-83-1	Isobutyl alcohol	14000.	UR	14000.	UR	14000.	UR	14000.	UR	15000.	UR	14000.	UR
74-95-3	Methylene bromide	22.	U	22.	U	22.	U	22.	U	22.	U	21.	U
80-62-6	Methyl methacrylate	56.	U	56.	U	54.	U	54.	U	56.	U	53.	UR
123-91-1	1,4-Dioxane	57000.	UR	57000.	UR	55000.	UR	55000.	UR	57000.	UR	54000.	UR
110-75-8	2-Chloroethyl vinyl ether	17.	U	17.	U	16.	U	16.	U	17.	U	16.	U
97-63-2	Ethyl methacrylate	28.	U	28.	U	27.	U	27.	U	28.	U	26.	U
106-93-4	1, 2-Dibromoethane	22.	U	22.	U	22.	UJ	22.	UJ	22.	UJ	21.	U
630-20-6	1,1,1,2-Tetrachloroethane	22.	U	22.	U	22.	U	22.	U	22.	U	21.	U
1476-11-5	Cis-1,4-Dichloro-2-Butene	22.	U	22.	U	22.	U	22.	U	22.	U	21.	U
96-18-4	1,2,3-Trichloropropane	22.	U	22.	U	22.	U	22.	U	22.	U	21.	U
110-57-6	trans-1,4-Dichloro-2-butene	22.	U	22.	U	22.	UJ	22.	UJ	22.	UJ	21.	U
96-12-8	1,2-Dibromo-3-Chloropropane	11.	U	11.	U	11.	UJ	11.	UJ	11.	UJ	11.	U

*** Validation Complete ***

CHARLESTON - ZONE C
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SW846-VOA															
	SAMPLE ID ------>	GDC-G-W001-01		GDC-G-W002-01		GDC-G-W01D-01		GDC-G-W02D-01							
	ORIGINAL ID ----->	GDCGW00101		GRDGW00201		GDCGW01D01		GDCGW02D01							
	LAB SAMPLE ID --->	730785		709199		730793		731341							
	ID FROM REPORT -->	GDCGW00101		GRDGW00201		GDCGW01D01		GDCGW02D01							
	SAMPLE DATE ----->	06/12/95		04/25/95		06/12/95		06/13/95							
	DATE ANALYZED --->	06/16/95		05/08/95		06/16/95		06/22/95							
	MATRIX ---------->	Water		Water		Water		Water							
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L							
CAS #	Parameter	0017V	VAL	0016V	VAL	0017V	VAL	0017V	VAL						
74-87-3	Chloromethane	15.	U	15.	U	15.	U	15.	UJ						
74-83-9	Bromomethane	10.	U	10.	U	10.	U	10.	UJ						
75-01-4	Vinyl chloride	10.	U	10.	U	10.	U	10.	UJ						
75-00-3	Chloroethane	10.	U	10.	U	10.	U	10.	UJ						
75-09-2	Methylene chloride	10.	U	10.	U	12.		10.	UJ						
67-64-1	Acetone	15.	UJ	15.	UJ	15.	UJ	15.	UJ						
75-15-0	Carbon disulfide	10.	U	10.	U	10.	U	10.	UJ						
75-35-4	1,1-Dichloroethene	5.	U	5.	U	5.	U	5.	UJ						
75-34-3	1,1-Dichloroethane	5.	U	5.	U	5.	U	5.	UJ						
540-59-0	1,2-Dichloroethene (total)	10.	U	10.	U	10.	U	10.	UJ						
67-66-3	Chloroform	5.	U	5.	U	5.	U	5.	UJ						
107-06-2	1,2-Dichloroethane	5.	U	5.	U	5.	U	5.	UJ						
78-93-3	2-Butanone (MEK)	20.	U	20.	U	20.	U	20.	UJ						
71-55-6	1,1,1-Trichloroethane	10.	U	10.	U	10.	U	10.	UJ						
56-23-5	Carbon tetrachloride	10.	U	10.	U	10.	U	10.	UJ						
75-27-4	Bromodichloromethane	10.	U	10.	U	10.	U	10.	UJ						
78-87-5	1,2-Dichloropropane	10.	U	10.	U	10.	U	10.	UJ						
10061-01-5	cis-1,3-Dichloropropene	15.	U	15.	U	15.	U	15.	UJ						
79-01-6	Trichloroethene	5.	U	5.	U	5.	U	5.	UJ						
124-48-1	Dibromochloromethane	10.	U	10.	U	10.	U	10.	UJ						
79-00-5	1,1,2-Trichloroethane	5.	U	5.	U	5.	U	5.	UJ						
71-43-2	Benzene	10.	U	10.	U	10.	U	10.	UJ						
10061-02-6	trans-1,3-Dichloropropene	10.	U	10.	U	10.	U	10.	UJ						
75-25-2	Bromoform	10.	U	10.	U	10.	U	10.	UJ						
108-10-1	4-Methyl-2-Pentanone (MIBK)	10.	U	10.	U	10.	U	10.	UJ						
591-78-6	2-Hexanone	15.	U	15.	U	15.	U	15.	UJ						
127-18-4	Tetrachloroethene	10.	U	10.	U	10.	U	10.	UJ						
79-34-5	1,1,2,2-Tetrachloroethane	10.	U	10.	U	10.	U	10.	UJ						
108-88-3	Toluene	5.	U	5.	U	5.	U	5.	UJ						
108-90-7	Chlorobenzene	10.	U	10.	U	10.	U	10.	UJ						
100-41-4	Ethylbenzene	10.	U	10.	U	10.	U	10.	UJ						
100-42-5	Styrene	5.	U	5.	U	5.	U	5.	UJ						
1330-20-7	Xylene (Total)	15.	U	15.	U	15.	U	15.	UJ						
107-02-8	Acrolein	90.	U	90.	U	90.	U	90.	UJ						
354-58-5	1,1,1-trichloro-2,2,2-trifluoromethane	15.	U	15.	U	15.	U	15.	UJ						
75-69-4	Trichlorofluoromethane	10.	U	10.	U	10.	U	10.	UJ						
76-13-1	Trichlorotrifluoroethane (Freon 113)	25.	U	25.	U	25.	U	25.	UJ						

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

SW846-VOA	SAMPLE ID ------->	GDC-G-W001-01		GDC-G-W002-01		GDC-G-W01D-01		GDC-G-W02D-01			
	ORIGINAL ID ----->	GDCGW00101		GRDGW00201		GDCGW01D01		GDCGW02D01			
	LAB SAMPLE ID --->	730785		709199		730793		731341			
	ID FROM REPORT -->	GDCGW00101		GRDGW00201		GDCGW01D01		GDCGW02D01			
	SAMPLE DATE ----->	06/12/95		04/25/95		06/12/95		06/13/95			
	DATE ANALYZED --->	06/16/95		05/08/95		06/16/95		06/22/95			
	MATRIX ---------->	Water		Water		Water		Water			
	UNITS ----------->	UG/L		UG/L		UG/L		UG/L			
CAS #	Parameter	0017V	VAL	0016V	VAL	0017V	VAL	0017V	VAL		
74-88-4	Methyl iodide	5.	U	5.	U	5.	U	5.	UJ		
107-05-1	3-Chloropropene	15.	U	15.	U	15.	U	15.	UJ		
75-05-8	Acetonitrile	60.	U	60.	U	60.	U	60.	UJ		
107-13-1	Acrylonitrile	95.	U	95.	U	95.	U	95.	UJ		
108-05-4	Vinyl acetate	10.	U	10.	U	10.	U	10.	UJ		
107-12-0	Propionitrile	220.	UR	220.	U	220.	UR	220.	UJ		
126-98-7	Methacrylonitrile	20.	U	20.	U	20.	U	20.	UJ		
4170-30-3	Crotonaldehyde	300.	UR	300.	UR	300.	UR	300.	UR		
78-83-1	Isobutyl alcohol	2800.	UR	2800.	UR	2800.	UR	2800.	UR		
74-95-3	Methylene bromide	10.	U	10.	U	10.	U	10.	UJ		
80-62-6	Methyl methacrylate	20.	UR	20.	U	20.	UR	20.	UJ		
123-91-1	1,4-Dioxane	3700.	UR	3700.	UR	3700.	UR	3700.	UR		
110-75-8	2-Chloroethyl vinyl ether	10.	U	10.	U	10.	U	10.	UR		
97-63-2	Ethyl methacrylate	10.	U	10.	U	10.	U	10.	UJ		
106-93-4	1, 2-Dibromoethane	10.	U	10.	U	10.	U	10.	UJ		
630-20-6	1,1,1,2-Tetrachloroethane	10.	U	10.	U	10.	U	10.	UJ		
1476-11-5	Cis-1,4-Dichloro-2-Butene	5.	UR	5.	U	5.	UR	5.	UJ		
96-18-4	1,2,3-Trichloropropane	10.	U	10.	U	10.	U	10.	UJ		
110-57-6	trans-1,4-Dichloro-2-butene	10.	UR	10.	U	10.	UR	10.	UJ		
96-12-8	1,2-Dibromo-3-Chloropropane	10.	U	10.	U	10.	U	10.	UJ		

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

TCLP-HERB

SAMPLE ID ------->	044-K-B001-01
ORIGINAL ID ----->	044KB00101
LAB SAMPLE ID --->	044KB00101
ID FROM REPORT -->	044KB00101
SAMPLE DATE ----->	04/04/95
DATE EXTRACTED -->	04/14/95
DATE ANALYZED --->	04/17/95
MATRIX ---------->	Soil
UNITS ----------->	UG/L

CAS #	Parameter	001HT	VAL
94-75-7	2,4-D	20.	U
93-72-1	2,4,5-TP (Silvex)	5.	U
93-76-5	2,4,5-T	5.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

TCLP-PEST

SAMPLE ID ------->	044-K-B001-01
ORIGINAL ID ----->	044KB00101
LAB SAMPLE ID --->	698381
ID FROM REPORT -->	044KB00101
SAMPLE DATE ----->	04/04/95
DATE EXTRACTED -->	04/11/95
DATE ANALYZED --->	05/05/95
MATRIX ---------->	Water
UNITS ----------->	UG/L

CAS #	Parameter	001PT	VAL
76-44-8	Heptachlor	0.2	U
1024-57-3	Heptachlor epoxide	0.2	U
8001-35-2	Toxaphene	5.	U
58-89-9	gamma-BHC (Lindane)	0.2	U
57-74-9	Chlordane	0.6	U
72-20-8	Endrin	0.3	UJ
72-43-5	Methoxychlor	1.5	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

TCLP-SVOA

SAMPLE ID ------->	044-K-B001-01
ORIGINAL ID ----->	044KB00101
LAB SAMPLE ID --->	698377
ID FROM REPORT -->	044KB00101
SAMPLE DATE ----->	04/04/95
DATE EXTRACTED -->	04/19/95
DATE ANALYZED --->	04/20/95
MATRIX ---------->	Water
UNITS ----------->	UG/L

CAS #	Parameter	001ST	VAL
110-86-1	Pyridine	100.	UJ
106-46-7	1,4-Dichlorobenzene	50.	UJ
95-48-7	2-Methylphenol (o-Cresol)	100.	UJ
108-39-4	3-Methylphenol (m-Cresol)	180.	UJ
106-44-5	4-Methylphenol (p-Cresol)	180.	UJ
67-72-1	Hexachloroethane	50.	UJ
98-95-3	Nitrobenzene	50.	UJ
87-68-3	Hexachlorobutadiene	25.	UJ
88-06-2	2,4,6-Trichlorophenol	120.	UJ
95-95-4	2,4,5-Trichlorophenol	120.	UJ
121-14-2	2,4-Dinitrotoluene	50.	UJ
118-74-1	Hexachlorobenzene	75.	UJ
87-86-5	Pentachlorophenol	280.	UJ

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

TCLP-VOA

SAMPLE ID ------->	044-K-B001-01
ORIGINAL ID ----->	044KB00101
LAB SAMPLE ID --->	698373
ID FROM REPORT -->	044KB00101
SAMPLE DATE ----->	04/04/95
DATE ANALYZED --->	04/11/95
MATRIX ---------->	Water
UNITS ----------->	UG/L

CAS #	Parameter	001VT	VAL
75-01-4	Vinyl chloride	50.	UJ
75-35-4	1,1-Dichloroethene	25.	UJ
67-66-3	Chloroform	25.	UJ
107-06-2	1,2-Dichloroethane	25.	UJ
78-93-3	2-Butanone (MEK)	200.	UJ
56-23-5	Carbon tetrachloride	50.	UJ
79-01-6	Trichloroethene	25.	UJ
71-43-2	Benzene	50.	UJ
127-18-4	Tetrachloroethene	50.	UJ
108-90-7	Chlorobenzene	50.	UJ

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

TDS												
	SAMPLE ID ------->| 044-H-W004-01		044-G-W006-01		GDC-G-W001-01		GDC-G-W002-01		GDC-G-W01D-01		GDC-G-W02D-01	
	ORIGINAL ID ----->| 044HW00401		044GW00601		GDCGW00101		GRDGW00201		GDCGW01D01		GDCGW02D01	
	LAB SAMPLE ID --->| 731400		709189		730846		709214		730867		731356	
	ID FROM REPORT -->| 044HW00401		044GW00601		GDCGW00101		GRDGW00201		GDCGW01D01		GDCGW02D01	
	SAMPLE DATE ----->| 06/13/95		05/01/95		06/12/95		04/30/95		06/12/95		06/13/95	
	DATE ANALYZED --->| 06/19/95		05/01/95		06/17/95		05/01/95		06/17/95		06/17/95	
	MATRIX ---------->| Water		Water		Water		Water		Water		Water	
	UNITS ----------->| MG/L		MG/L		MG/L		MG/L		MG/L		MG/L	
CAS #	Parameter	30215.18J	VAL	30215.16J	VAL	30215.17J	VAL	30215.16J	VAL	30215.17J	VAL	30215.17J	VAL
9999900-07-2	Total Dissolved Solids (TDS)	1480.	U	8860.		172.		505.		201.		1240.	

*** Validation Complete ***

TOC													
	SAMPLE ID ------>	044-M-0009-01		044-M-0010-01		044-M-0011-01		044-M-0012-01		044-M-0013-01		044-M-0014-01	
	ORIGINAL ID ----->	044M000901		044M001001		044M001101		044M001201		044M001301		044M001401	
	LAB SAMPLE ID --->	044M000901		044M001001		044M001101		044M001201		044M001301		044M001401	
	ID FROM REPORT -->	044M000901		044M001001		044M001101		044M001201		044M001301		044M001401	
	SAMPLE DATE ----->	04/17/95		04/17/95		04/17/95		04/19/95		04/19/95		04/19/95	
	DATE ANALYZED --->	04/25/95		04/25/95		04/25/95		04/25/95		04/25/95		04/25/95	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ----------->	MG\KG		MG\KG		MG\KG		MG\KG		MG\KG		MG\KG	
CAS #	Parameter	30215.14W	VAL	30215.14W	VAL	30215.14W	VAL	30215.14W	VAL	30215.14W	VAL	30215.14W	VAL
9999900-01-4	Total Organic Carbon (TOC)	29400.		59400.		2860.		10500.		44100.		2730.	

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

TOC							
	SAMPLE ID ------->	044-M-0015-01	044-M-0016-01	044-M-0017-01	044-M-0018-01	044-M-0019-01	044-N-0019-01
	ORIGINAL ID ----->	044M001501	044M001601	044M001701	044M001801	044M001901	044N001901
	LAB SAMPLE ID --->	044M001501	044M001601	044M001701	044M001801	044M001901	044N001901
	ID FROM REPORT -->	044M001501	044M001601	044M001701	044M001801	044M001901	044N001901
	SAMPLE DATE ----->	04/19/95	04/19/95	04/19/95	04/11/95	04/11/95	04/11/95
	DATE ANALYZED --->	04/25/95	04/25/95	04/25/95	04/17/95	04/17/95	04/17/95
	MATRIX ---------->	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
	UNITS ---------->	MG\KG	MG\KG	MG\KG	MG\KG	MG/KG	MG/KG

CAS #	Parameter	30215.14W	VAL	30215.14W	VAL	30215.14W	VAL	30215.8W	VAL	30215.8W	VAL	30215.8W	VAL
9999900-01-4	Total Organic Carbon (TOC)	52600.		10700.		22500.		14000.		15200.		10600.	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

TOC												
	SAMPLE ID ------->	044-M-0020-01		044-M-0021-01		044-S-B006-01		047-S-B005-01		047-S-B005-02		508-S-B003-01
	ORIGINAL ID ----->	044M002001		044M002101		044SB00601		047SB00501		047SB00502		508SB00301
	LAB SAMPLE ID --->	044M002001		044M002101		755135		755066		755118		754918
	ID FROM REPORT -->	044M002001		044M002101		044SB00601		047SB00501		047SB00502		508SB00301
	SAMPLE DATE ----->	04/11/95		04/11/95		09/13/95		09/13/95		09/13/95		09/12/95
	DATE ANALYZED --->	04/17/95		04/17/95		09/26/95		09/26/95		09/26/95		09/25/95
	MATRIX ---------->	Sediment		Sediment		Soil		Soil		Soil		Soil
	UNITS ----------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG
CAS #	Parameter	30215.8W	VAL	30215.8W	VAL	30215.24	VAL	30215.24	VAL	30215.24	VAL	30215.24	VAL
9999900-01-4	Total Organic Carbon (TOC)	12400.		10200.		8570.		3980.		4330.		22200.	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
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TOC							
	SAMPLE ID ------>	508-S-B003-A1	511-S-B002-A1	511-S-B006-01	511-S-B006-02	512-S-B002-A1	512-S-B003-A1
	ORIGINAL ID ----->	508SB003A1	511SB002A1	511SB00601	511SB00602	512SB002A1	512SB003A1
	LAB SAMPLE ID --->	30600.04	30600.03	754860	754883	30600.01	30600.02
	ID FROM REPORT -->	508SB003A1	511SB002A1	511SB00601	511SB00602	512SB002A1	512SB003A1
	SAMPLE DATE ----->	08/12/97	08/12/97	09/12/95	09/12/95	08/12/97	08/12/97
	DATE ANALYZED --->	08/22/97	08/22/97	09/25/95	09/25/95	08/22/97	08/22/97
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ----------->	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
CAS #	Parameter	30600	30600	30215.24 VAL	30215.24 VAL	30600	30600
9999900-01-4	Total Organic Carbon (TOC)	1110.	1780.	15900.	1890.	16600.	9750.

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

TOC													
	SAMPLE ID ------->	515-S-B003-01		515-S-B003-02		518-S-B001-01		518-S-B001-02		520-S-B005-01		520-S-B005-02	
	ORIGINAL ID ----->	515SB00301		515SB00302		518SB00101		518SB00102		520SB00501		520SB00502	
	LAB SAMPLE ID --->	753675		753679		756882		756881		756879		756880	
	ID FROM REPORT -->	515SB00301		515SB00302		518SB00101		518SB00102		520SB00501		520SB00502	
	SAMPLE DATE ----->	09/07/95		09/07/95		09/18/95		09/18/95		09/18/95		09/18/95	
	DATE ANALYZED --->	09/25/95		09/25/95		09/26/95		09/26/95		09/26/95		09/26/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	30215.24	VAL	30215.24	VAL	30215.24	VAL	30215.24	VAL	30215.24	VAL	30215.24	VAL
9999900-01-4	Total Organic Carbon (TOC)	3210.		2370.		3220.		919.		1740.		1690.	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
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TOC							
	SAMPLE ID ------->	GDC-S-B001-01		GDC-S-B001-02			
	ORIGINAL ID ----->	GDCSB00101		GDCSB00102			
	LAB SAMPLE ID --->	753680		753681			
	ID FROM REPORT -->	GDCSB00101		GDCSB00102			
	SAMPLE DATE ----->	09/07/95		09/07/95			
	DATE ANALYZED --->	09/25/95		09/25/95			
	MATRIX ---------->	Soil		Soil			
	UNITS ----------->	MG/KG		MG/KG			
CAS #	Parameter	30215.24	VAL	30215.24	VAL		
9999900-01-4	Total Organic Carbon (TOC)	6120.		11300.			

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

TOT MOIST												
	SAMPLE ID ------>	044-S-B006-01		047-S-B005-01		047-S-B005-02		508-S-B003-01		510-S-B005-01		510-S-B005-02	
	ORIGINAL ID ----->	044SB00601		047SB00501		047SB00502		508SB00301		510SB00501		510SB00502	
	LAB SAMPLE ID --->	755128		755063		755069		754891		753663		753664	
	ID FROM REPORT -->	044SB00601		047SB00501		047SB00502		508BB00301		510SB00501		510SB00502	
	SAMPLE DATE ----->	09/13/95		09/13/95		09/13/95		09/12/95		09/07/95		09/07/95	
	DATE ANALYZED --->	09/18/95		09/18/95		09/18/95		09/14/95		09/13/95		09/13/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->												
CAS #	Parameter	95-06	VAL	95-06	VAL	95-06	VAL	95-05	VAL	95-04	VAL	95-04	VAL
9999900-31-5	Moisture	41.9		7.33		22.3		15.		6.83		4.79	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
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TOT MOIST												
	SAMPLE ID ------>	511-S-B006-01		511-S-B006-02		515-S-B003-01		515-S-B003-02		518-S-B001-01		518-S-B001-02	
	ORIGINAL ID ----->	511SB00601		511SB00602		515SB00301		515SB00302		518SB00101		518SB00102	
	LAB SAMPLE ID --->	754831		754867		756856		756857		756861		756860	
	ID FROM REPORT -->	511SB00601		511SB00602		515SB00301		515SB00302		518SB00101		518SB00102	
	SAMPLE DATE ----->	09/12/95		09/12/95		09/18/95		09/18/95		09/18/95		09/18/95	
	DATE ANALYZED --->	09/14/95		09/14/95		09/21/95		09/21/95		09/21/95		09/21/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->												
CAS #	Parameter	95-05	VAL	95-05	VAL	95-07	VAL	95-07	VAL	95-07	VAL	95-07	VAL
9999900-31-5	Moisture	7.76		5.33		15.8		6.29		6.18		5.61	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
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TOT MOIST									
	SAMPLE ID ------->	520-S-B005-01		520-S-B005-02		GDC-S-B001-01		GDC-S-B001-02			
	ORIGINAL ID ----->	520SB00501		520SB00502		GDCSB00101		GDCSB00102			
	LAB SAMPLE ID --->	756858		756859		753665		753666			
	ID FROM REPORT -->	520SB00501		520SB00502		GDCSB00101		GDCSB00102			
	SAMPLE DATE ----->	09/18/95		09/18/95		09/07/95		09/07/95			
	DATE ANALYZED --->	09/21/95		09/21/95		09/13/95		09/13/95			
	MATRIX ---------->	Soil		Soil		Soil		Soil			
	UNITS ----------->										
CAS #	Parameter	95-07	VAL	95-07	VAL	95-04	VAL	95-04	VAL		
9999900-31-5	Moisture	5.96		3.86		10.7		8.27			

CHARLESTON - ZONE C
CHARLESTON ZONE C
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TPH													
	SAMPLE ID ------>	047-S-B001-01		047-S-B001-02		047-S-B002-01		047-S-B003-01		047-S-B003-02		047-S-B004-01	
	ORIGINAL ID ----->	047SB00101		047SB00102		047SB00201		047SB00301		047SB00302		047SB00401	
	LAB SAMPLE ID --->	697968		697980		697986		703359		703360		703353	
	ID FROM REPORT -->	047SB00101		047SB00102		047SB00201		047SB00301		047SB00302		047SB00401	
	SAMPLE DATE ----->	04/03/95		04/03/95		04/03/95		04/13/95		04/13/95		04/13/95	
	DATE EXTRACTED -->							04/18/95		04/18/95		04/18/95	
	DATE ANALYZED --->	04/06/95		04/06/95		04/06/95		04/21/95		04/21/95		04/21/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	30215.4G	VAL	30215.4G	VAL	30215.4G	VAL	0010G	VAL	0010G	VAL	0010G	VAL
9999900-02-4	Petroleum Hydrocarbons, TPH	2050.	J	39.3		230.	J	507.		118.		112.	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
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TPH												
	SAMPLE ID ------->	047-S-B004-02		047-S-B005-01		047-S-B005-02		047-S-B006-01		047-S-B007-01		047-S-B007-02
	ORIGINAL ID ----->	047SB00402		047SB00501		047SB00502		047SB00601		047SB00701		047SB00702
	LAB SAMPLE ID --->	703354		697013		697019		697025		70349		70350A
	ID FROM REPORT -->	047SB00402		047SB00501		047SB00502		047SB00601		047SB00701		047SB00702
	SAMPLE DATE ----->	04/13/95		04/01/95		04/01/95		04/01/95		04/14/95		04/14/95
	DATE EXTRACTED -->	04/18/95										
	DATE ANALYZED --->	04/21/95		04/04/95		04/04/95		04/04/95		04/27/95		04/27/95
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG
CAS #	Parameter	0010G	VAL	30215.3G	VAL	30215.3G	VAL	30215.3G	VAL	30215.12G	VAL	30215.12G	VAL
9999900-02-4	Petroleum Hydrocarbons, TPH	53.6		731.1		28.4		108.		300.	J	59.3	J

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
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TPH												
	SAMPLE ID ------>	047-S-B008-01		047-S-B008-02		047-S-B009-01		047-S-B009-02		047-S-B010-01		047-S-B011-01
	ORIGINAL ID ----->	047SB00801		047SB00802		047SB00901		047SB00902		047SB01001		047SB01101
	LAB SAMPLE ID --->	703361		703368		703458		70348A		70348B		703355
	ID FROM REPORT -->	047SB00801		047SB00802		047SB00901		047SB00902		047SB01001		047SB01101
	SAMPLE DATE ----->	04/13/95		04/13/95		04/14/95		04/14/95		04/14/95		04/13/95
	DATE EXTRACTED -->	04/19/95		04/19/95		04/19/95						04/18/95
	DATE ANALYZED --->	04/21/95		04/21/95		04/21/95		04/27/95		04/27/95		04/21/95
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG
CAS #	Parameter	0010G	VAL	0010G	VAL	0010G	VAL	30215.12G	VAL	30215.12G	VAL	0010G	VAL
9999900-02-4	Petroleum Hydrocarbons, TPH	82.2		130.		253.		455.	J	455.	J	27.1	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
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TPH							
	SAMPLE ID ------->	047-S-B011-02	047-S-B012-01	047-S-B012-02	047-S-B013-01	047-S-B013-02	047-S-B015-01
	ORIGINAL ID ----->	047SB01102	047SB01201	047SB01202	047SB01301	047SB01302	047SB01501
	LAB SAMPLE ID --->	703356	703357	703358	703365	703366	703348
	ID FROM REPORT -->	047SB01102	047SB01201	047SB01202	047SB01301	047SB01302	047SB01501
	SAMPLE DATE ----->	04/13/95	04/13/95	04/13/95	04/13/95	04/13/95	04/13/95
	DATE EXTRACTED -->	04/18/95	04/18/95	04/18/95	04/19/95	04/19/95	04/18/95
	DATE ANALYZED --->	04/21/95	04/21/95	04/21/95	04/21/95	04/21/95	04/21/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ----------->	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
CAS #	**Parameter**	**0010G VAL**	**0010G VAL**	**0010G VAL**	**0010G VAL**	**0010G VAL**	**0010G VAL**
9999900-02-4	Petroleum Hydrocarbons, TPH	25.8	29.2	31.2	28.9	40.1	28.5

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
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TPH													
	SAMPLE ID ------->	047-S-B015-02		508-S-B001-01		508-S-B002-01		508-S-B003-01		508-S-B004-01		508-S-B004-02	
	ORIGINAL ID ----->	047SB01502		508SB00101		508SB00201		508SB00301		508SB00401		508SB00402	
	LAB SAMPLE ID --->	703352		692022		692035		692028		692098		692056	
	ID FROM REPORT -->	047SB01502		508SB00101		508SB00201		508SB00301		508SB00401		508SB00402	
	SAMPLE DATE ----->	04/13/95		03/26/95		03/26/95		03/26/95		03/26/95		03/26/95	
	DATE EXTRACTED -->	04/18/95											
	DATE ANALYZED --->	04/21/95											
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	0010G	VAL	30215.26	VAL	30215.26	VAL	30215.26	VAL	30215.26	VAL	30215.26	VAL
9999900-02-4	Petroleum Hydrocarbons, TPH	266.		16.5		82.2		428.		99.2		36.4	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
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TPH												
	SAMPLE ID ------->>	508-S-B005-01		508-S-B006-01		511-S-B001-01		511-S-B001-02		511-S-B002-01		511-S-B002-02	
	ORIGINAL ID ----->>	508SB00501		508SB00601		511SB00101		511SB00102		511SB00201		511SB00202	
	LAB SAMPLE ID --->>	692015		692041		692145		692166		692201		692156	
	ID FROM REPORT -->>	508SB00501		508SB00601		511SB00101		511SB00102		511SB00201		511SB00202	
	SAMPLE DATE ----->>	03/26/95		03/26/95		03/26/95		03/26/95		03/26/95		03/26/95	
	MATRIX ---------->>	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->>	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	30215.26	VAL	30215.26	VAL	30215.26	VAL	30215.26	VAL	30215.26	VAL	30215.26	VAL
9999900-02-4	Petroleum Hydrocarbons, TPH	67.		497.	Q	746.		27.8		139.		37.2	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

TPH													
	SAMPLE ID ------>	511-S-B003-01		511-S-B003-02		511-S-B004-01		511-S-B005-01		511-S-B005-02		511-S-B006-01	
	ORIGINAL ID ----->	511SB00301		511SB00302		511SB00401		511SB00501		511SB00502		511SB00601	
	LAB SAMPLE ID --->	692222		692182		692104		692253		692191		692009	
	ID FROM REPORT -->	511SB00301		511SB00302		511SB00401		511SB00501		511SB00502		511SB00601	
	SAMPLE DATE ----->	04/01/95		03/26/95		03/26/95		04/01/95		03/26/95		03/26/95	
	DATE ANALYZED --->	04/04/95						04/04/95					
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	30215.3G	VAL	30215.26	VAL	30215.26	VAL	30215.3G	VAL	30215.26	VAL	30215.26	VAL
9999900-02-4	Petroleum Hydrocarbons, TPH	68.7		22.6		113.		223.		32.1		36.3	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

TPH													
	SAMPLE ID ------->	511-S-B006-02		515-S-B001-01		515-S-B001-02		515-S-B002-01		515-S-B002-02		515-S-B003-01	
	ORIGINAL ID ----->	511SB00602		515SB00101		515SB00102		515SB00201		515SB00202		515SB00301	
	LAB SAMPLE ID --->	693238		70423		70424		70626		70428		70429	
	ID FROM REPORT -->	511SB00602		515SB00101		515SB00102		515SB00201		515SB00202		515SB00301	
	SAMPLE DATE ----->	04/01/95		04/18/95		04/18/95		04/22/95		04/18/95		04/18/95	
	DATE EXTRACTED -->							04/27/95					
	DATE ANALYZED --->	04/04/95		04/27/95		04/27/95		04/27/95		04/27/95		04/27/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	30215.3G	VAL	30215.12G	VAL	30215.12G	VAL	30215.15G	VAL	30215.12G	VAL	30215.12G	VAL
9999900-02-4	Petroleum Hydrocarbons, TPH	21.4		53.	J	22.	J	61.4		67.6	J	84.7	J

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

TPH	SAMPLE ID ------->	515-S-B003-02	515-S-B004-01	515-S-B004-02	515-S-B005-01	515-S-B005-02	515-S-B006-01
	ORIGINAL ID ----->	515SB00302	515SB00401	515SB00402	515SB00501	515SB00502	515SB00601
	LAB SAMPLE ID --->	70432	70435	70437	70438A	70438B	70420A
	ID FROM REPORT -->	515SB00302	515SB00401	515SB00402	515SB00501	515SB00502	515SB00601
	SAMPLE DATE ----->	04/18/95	04/18/95	04/18/95	04/18/95	04/18/95	04/18/95
	DATE ANALYZED --->	04/27/95	04/27/95	04/27/95	04/27/95	04/27/95	04/27/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG

CAS #	Parameter	30215.12G	VAL	30215.12G	VAL	30215.12G	VAL	30215.12G	VAL	30215.12G	VAL	30215.12G	VAL
9999900-02-4	Petroleum Hydrocarbons, TPH	23.1	J	27.2	J	12.4	J	57.2	J	57.2	J	13.9	J

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

TPH												
	SAMPLE ID ------->	515-S-B006-02		516-S-B001-01		516-S-B001-02		516-S-B002-01		516-S-B002-02		519-S-B001-01
	ORIGINAL ID ----->	515SB00602		516SB00101		516SB00102		516SB00201		516SB00202		519SB00101
	LAB SAMPLE ID --->	70420B		516SB00101		516SB00102		516SB00201		516SB00202		70664
	ID FROM REPORT -->	515SB00602		516SB00101		516SB00102		516SB00201		516SB00202		519SB00101
	SAMPLE DATE ----->	04/18/95		04/05/95		04/05/95		04/05/95		04/05/95		04/22/95
	DATE EXTRACTED -->			04/08/95		04/08/95		04/08/95		04/08/95		04/27/95
	DATE ANALYZED --->	04/27/95		04/11/95		04/11/95		04/11/95		04/11/95		04/27/95
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil
	UNITS ----------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG
CAS #	Parameter	30215.12G	VAL	30215.5	VAL	30215.5	VAL	30215.5	VAL	30215.5	VAL	30215.15G	VAL
9999900-02-4	Petroleum Hydrocarbons, TPH	13.9	J	102.		13.6		17.8		19.8		15.2	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

TPH													
	SAMPLE ID ------->	519-S-B001-02		519-S-B002-01		519-S-B002-02		519-S-B003-01		519-S-B003-02		519-S-B004-01	
	ORIGINAL ID ----->	519SB00102		519SB00201		519SB00202		519SB00301		519SB00302		519SB00401	
	LAB SAMPLE ID --->	70667		70667B		70668		70669		70669B		70670	
	ID FROM REPORT -->	519SB00102		519SB00201		519SB00202		519SB00301		519SB00302		519SB00401	
	SAMPLE DATE ----->	04/22/95		04/22/95		04/22/95		04/22/95		04/22/95		04/22/95	
	DATE EXTRACTED -->	04/27/95		04/27/95		04/27/95		04/27/95		04/27/95		04/27/95	
	DATE ANALYZED --->	04/27/95		04/27/95		04/27/95		04/27/95		04/27/95		04/27/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	30215.15G	VAL	30215.15G	VAL	30215.15G	VAL	30215.15G	VAL	30215.15G	VAL	30215.15G	VAL
9999900-02-4	Petroleum Hydrocarbons, TPH	135.		135.		47.7		15.2		15.2		33.	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

TPH												
	SAMPLE ID ------>	519-S-B004-02		519-S-B005-01		519-S-B005-02		519-S-B006-01		519-S-B006-02		523-S-B001-01
	ORIGINAL ID ----->	519SB00402		519SB00501		519SB00502		519SB00601		519SB00602		523SB00101
	LAB SAMPLE ID --->	70671		70671B		70672		70673		70674		697998
	ID FROM REPORT -->	519SB00402		519SB00501		519SB00502		519SB00601		519SB00602		523SB00101
	SAMPLE DATE ----->	04/22/95		04/22/95		04/22/95		04/22/95		04/22/95		04/03/95
	DATE EXTRACTED -->	04/27/95		04/27/95		04/27/95		04/27/95		04/27/95		
	DATE ANALYZED --->	04/27/95		04/27/95		04/27/95		04/27/95		04/27/95		04/06/95
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG
CAS #	Parameter	30215.15G	VAL	30215.15G	VAL	30215.15G	VAL	30215.15G	VAL	30215.15G	VAL	30215.4G	VAL
9999900-02-4	Petroleum Hydrocarbons, TPH	6.3	U	6.3	U	41.7		28.2		33.9		239.	J

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

TPH	SAMPLE ID ------->	523-S-B001-02	523-S-B002-01	523-S-B002-02	523-C-B002-02	GDC-S-B001-01	GDC-S-B001-02
	ORIGINAL ID ----->	523SB00102	523SB00201	523SB00202	523CB00202	GRDSB00101	GRDSB00102
	LAB SAMPLE ID --->	698010	698004	697992	698016	A	B
	ID FROM REPORT -->	523SB00102	523SB00201	523SB00202	523CB00202	GRDSB00101	GRDSB00102
	SAMPLE DATE ----->	04/03/95	04/03/95	04/03/95	04/03/95	03/15/95	03/15/95
	DATE EXTRACTED -->					03/18/95	03/18/95
	DATE ANALYZED --->	04/06/95	04/06/95	04/06/95	04/06/95	03/23/95	03/23/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG

CAS #	Parameter	30215.4G	VAL	30215.4G	VAL	30215.4G	VAL	30215.4G	VAL	1G	VAL	1G	VAL
9999900-02-4	Petroleum Hydrocarbons, TPH	107.	J	321.	J	66.8	J	61.	J	18.5		18.5	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

TPH													
	SAMPLE ID ------->	GDC-S-B002-01		GDC-S-B003-01		GDC-S-B004-01		GDC-S-B004-02		GDC-S-B005-01		GDC-S-B006-01	
	ORIGINAL ID ----->	GRDSB00201		GRDSB00301		GRDSB00401		GRDSB00402		GRDSB00501		GRDSB00601	
	LAB SAMPLE ID --->	C		691122		70350B		70351		691110		D	
	ID FROM REPORT -->	GRDSB00201		GRDSB00301		GRDSB00401		GRDSB00402		GRDSB00501		GRDSB00601	
	SAMPLE DATE ----->	03/13/95		03/26/95		04/18/95		04/18/95		03/26/95		03/17/95	
	DATE EXTRACTED -->	03/18/95										03/23/95	
	DATE ANALYZED --->	03/23/95				04/27/95		04/27/95				03/23/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	1G	VAL	30215.26	VAL	30215.12G	VAL	30215.12G	VAL	30215.26	VAL	1G	VAL
9999900-02-4	Petroleum Hydrocarbons, TPH	18.5		24.4		59.3	J	76.2	J	536.		18.5	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

TPH											
	SAMPLE ID ------>	GDC-S-B007-01		GDC-S-B008-01		GDC-S-B008-02					
	ORIGINAL ID ----->	GRDSB00701		GRDSB00801		GRDSB00802					
	LAB SAMPLE ID --->	703442		691128		691134					
	ID FROM REPORT -->	GRDSB00701		GRDSB00801		GRDSB00802					
	SAMPLE DATE ----->	04/14/95		03/26/95		03/26/95					
	DATE EXTRACTED -->	04/19/95									
	DATE ANALYZED --->	04/21/95									
	MATRIX ---------->	Soil		Soil		Soil					
	UNITS ----------->	MG/KG		MG/KG		MG/KG					
CAS #	Parameter	0010G	VAL	30215.26	VAL	30215.26	VAL				
9999900-02-4	Petroleum Hydrocarbons, TPH	858.		6.3		4706.					

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

TPH-DRO												
	SAMPLE ID ------->	047-G-W001-01		047-G-W002-01		047-G-W003-01		047-G-W004-01		047-G-W005-01		047-H-W005-01	
	ORIGINAL ID ----->	047GW00101		047GW00201		047GW00301		047GW00401		047GW00501		047HW00501	
	LAB SAMPLE ID --->	731758		731777		731738		733212		731844		731890	
	ID FROM REPORT -->	047GW00101		047GW00201		047GW00301		047GW00401		047GW00501		047HW00501	
	SAMPLE DATE ----->	06/14/95		06/14/95		06/14/95		06/15/95		06/14/95		06/14/95	
	DATE EXTRACTED -->	06/20/95		06/20/95		06/20/95		06/22/95		06/20/95		06/20/95	
	DATE ANALYZED --->	07/29/95		07/29/95		07/10/95		06/24/95		07/29/95		07/28/95	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	MG/L		MG/L		MG/L		MG/L		MG/L		MG/L	
CAS #	Parameter	0017E	VAL	0017E	VAL	0017E	VAL	0019E	VAL	0017E	VAL	0018E	VAL
9999900-02-6	TPH - Diesel Range Organics	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

TPH-DRO													
	SAMPLE ID ------->	047-G-W006-01		047-G-W007-01		047-G-W008-01		047-G-W009-01		047-G-W010-01		047-G-W011-01	
	ORIGINAL ID ----->	047GW00601		047GW00701		047GW00801		047GW00901		047GW01001		047GW01101	
	LAB SAMPLE ID --->	732746		731702		732684		732696		731685		732723	
	ID FROM REPORT -->	047GW00601		047GW00701		047GW00801		047GW00901		047GW01001		047GW00101	
	SAMPLE DATE ----->	06/15/95		06/14/95		06/15/95		06/15/95		06/14/95		06/15/95	
	DATE EXTRACTED -->	06/21/95		06/20/95		06/21/95		06/21/95		06/20/95		06/21/95	
	DATE ANALYZED --->	07/28/95		07/29/95		07/27/95		07/27/95		07/10/95		07/29/95	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	MG/L		MG/L		MG/L		MG/L		MG/L		MG/L	
CAS #	Parameter	0019E	VAL	0017E	VAL	0017E	VAL	0017E	VAL	0017E	VAL	0019E	VAL
9999900-02-6	TPH - Diesel Range Organics	0.5	U	0.5	U	0.5	U	0.5	U	0.13	J	0.5	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

TPH-DRO													
	SAMPLE ID ------>	047-G-W012-01		047-G-W013-01		047-G-W015-01		523-G-W001-01		523-H-W001-01		523-G-W002-01	
	ORIGINAL ID ----->	047GW01201		047GW01301		047GW01501		523GW00101		523HW00101		523GW00201	
	LAB SAMPLE ID --->	732686		731745		732660		732770		732780		730869	
	ID FROM REPORT -->	047GW01201		047GW01301		047GW01501		523GW00101		523HW00101		523GW00201	
	SAMPLE DATE ----->	06/15/95		06/14/95		06/15/95		06/15/95		06/15/95		06/12/95	
	DATE EXTRACTED -->	06/21/95		06/20/95		06/21/95		06/21/95		06/21/95		06/16/95	
	DATE ANALYZED --->	07/27/95		07/29/95		06/24/95		06/24/95		06/24/95		06/24/95	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	MG/L		MG/L		MG/L		MG/L		MG/L		MG/L	
CAS #	Parameter	0017E	VAL	0017E	VAL	0017E	VAL	0019E	VAL	0018E	VAL	30215.17J	VAL
9999900-02-6	TPH - Diesel Range Organics	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

TPH-DRO							
	SAMPLE ID ------->	BLK-0-0000-01 BLK					
	ORIGINAL ID ----->	BLK0000001					
	LAB SAMPLE ID --->	733314					
	ID FROM REPORT -->	BLK0000001					
	SAMPLE DATE ----->						
	DATE EXTRACTED -->	06/21/95					
	DATE ANALYZED --->	07/28/95					
	MATRIX ---------->	Water					
	UNITS ----------->	MG/L					
CAS #	Parameter	0019E	VAL				
9999900-02-6	TPH - Diesel Range Organics	0.5	U				

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

TPH-GRO													
	SAMPLE ID ------->	047-G-W001-01		047-G-W002-01		047-H-W002-01		047-G-W003-01		047-G-W004-01		047-G-W005-01	
	ORIGINAL ID ----->	047GW00101		047GW00201		047HW00201		047GW00301		047GW00401		047GW00501	
	LAB SAMPLE ID --->	748099		748091		748092		746658		746659		746652	
	ID FROM REPORT -->	047GW00101		047GW00201		047HW00201		047GW00301		047GW00401		047GW00501	
	SAMPLE DATE ----->	06/14/95		06/14/95		06/14/95		06/14/95		06/14/95		06/14/95	
	DATE EXTRACTED -->	08/12/95		08/12/95		08/12/95		08/12/95		08/12/95		08/12/95	
	DATE ANALYZED --->	08/18/95		08/18/95		08/18/95		08/14/95		08/14/95		08/14/95	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ----------->	MG/L		MG/L		MG/L		MG/L		MG/L		MG/L	
CAS #	**Parameter**	**0017F**	**VAL**	**0017F**	**VAL**	**0017F**	**VAL**	**0017F**	**VAL**	**0018F**	**VAL**	**0017F**	**VAL**
9999900-02-5	TPH - Gasoline Range Organics	0.5	UJ	0.5	UJ	0.5	UJ	0.5	UJ	0.5	U	0.5	UJ

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

TPH-GRO	SAMPLE ID ------->	047-G-W006-01		047-G-W007-01		047-G-W008-01		047-G-W009-01		047-G-W010-01		047-G-W011-01	
	ORIGINAL ID ----->	047GW00601		047GW00701		047GW00801		047GW00901		047GW01001		047GW01101	
	LAB SAMPLE ID --->	748100		748093		748098		748097		748095		746663	
	ID FROM REPORT -->	047GW00601		047GW00701		047GW00801		047GW00901		047GW01001		047GW01101	
	SAMPLE DATE ----->	06/14/95		06/14/95		06/14/95		06/14/95		06/15/95		06/15/95	
	DATE EXTRACTED -->	08/12/95		08/12/95		08/12/95		08/12/95		08/12/95		08/12/95	
	DATE ANALYZED --->	08/18/95		08/18/95		08/19/95		08/18/95		08/18/95		08/14/95	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ----------->	MG/L		MG/L		MG/L		MG/L		MG/L		MG/L	
CAS #	Parameter	0018F	VAL	0017F	VAL	0017F	VAL	0017F	VAL	0017F	VAL	0018F	VAL
9999900-02-5	TPH - Gasoline Range Organics	0.5	U	0.5	UJ	0.5	UJ	0.5	UJ	0.5	UJ	0.5	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C
FINAL REPORT

TPH-GRO							
	SAMPLE ID ------->	047-G-W012-01	047-G-W013-01	047-G-W015-01	523-G-W001-01	523-G-W002-01	
	ORIGINAL ID ----->	047GW01201	047GW01301	047GW01501	523GW00101	523GW00201	
	LAB SAMPLE ID --->	746657	748096	746656	746664	730869	
	ID FROM REPORT -->	047GW01201	047GW01301	047GW01501	523GW00101	523GW00201	
	SAMPLE DATE ----->	06/15/95	06/15/95	06/15/95	06/15/95	06/12/95	
	DATE EXTRACTED -->	08/12/95	08/12/95	08/12/95	08/12/95	06/16/95	
	DATE ANALYZED --->	08/14/95	08/18/95	08/14/95	08/14/95	06/24/95	
	MATRIX ---------->	Water	Water	Water	Water	Water	
	UNITS ----------->	MG/L	MG/L	MG/L	MG/L	MG/L	
CAS #	Parameter	0017F VAL	0017F VAL	0017F VAL	0018F VAL	30215.17J VAL	
9999900-02-5	TPH - Gasoline Range Organics	0.5 UJ	0.66 J	0.5 UJ	0.5 U	12.12 J	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

APX9 PEST						
SAMPLE ID ------->	044-H-W004-03	044-H-W004-04	044-H-W006-04	047-H-W006-02	047-H-W006-03	GDC-H-W001-02
ORIGINAL ID ----->	044HW00403	044HW00404	044HW00604	047HW00602	047HW00603	GDCHW00102
LAB SAMPLE ID --->	25514.01	25932.01	25986.04	24579.01	25607.01	24544.01
ID FROM REPORT -->	044HW00403	044HW00404	044HW00604	047HW00602	047HW00603	GDCHW00102
SAMPLE DATE ----->	05/07/96	06/07/96	06/11/96	01/24/96	05/14/96	01/22/96
DATE EXTRACTED -->	05/09/96	06/12/96	06/16/96	01/26/96	05/16/96	01/23/96
DATE ANALYZED --->	05/20/96	06/24/96	06/25/96	01/31/96	05/21/96	01/26/96
MATRIX ---------->	Water	Water	Water	Water	Water	Water
UNITS ----------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	25504	VAL	25931	VAL	25931	VAL	24561	VAL	25568	VAL	24514	VAL
319-84-6	alpha-BHC	0.04	U	0.04	U	0.04	U	0.044	U	0.04	U	0.04	U
319-85-7	beta-BHC	0.04	U	0.04	U	0.04	U	0.044	U	0.04	U	0.04	U
319-86-8	delta-BHC	0.04	U	0.04	U	0.04	U	0.044	U	0.04	U	0.04	U
58-89-9	gamma-BHC (Lindane)	0.04	U	0.04	U	0.04	U	0.044	U	0.04	U	0.04	U
76-44-8	Heptachlor	0.04	U	0.04	U	0.04	U	0.044	U	0.04	U	0.04	U
309-00-2	Aldrin	0.04	U	0.04	U	0.04	U	0.044	U	0.04	U	0.04	U
1024-57-3	Heptachlor epoxide	0.04	U	0.04	U	0.04	U	0.044	U	0.04	U	0.04	U
959-98-8	Endosulfan I	0.04	U	0.04	U	0.04	U	0.044	U	0.04	U	0.04	U
60-57-1	Dieldrin	0.08	U	0.08	UJ	0.08	U	0.088	U	0.08	U	0.08	U
72-55-9	4,4'-DDE	0.08	U	0.08	U	0.08	U	0.088	U	0.08	U	0.08	U
72-20-8	Endrin	0.08	U	0.08	U	0.08	U	0.088	U	0.08	U	0.08	U
33213-65-9	Endosulfan II	0.08	U	0.08	U	0.08	U	0.088	U	0.08	U	0.08	U
72-54-8	4,4'-DDD	0.08	U	0.08	U	0.08	U	0.088	U	0.08	U	0.08	U
1031-07-8	Endosulfan sulfate	0.08	U	0.08	U	0.08	U	0.088	U	0.08	U	0.08	U
50-29-3	4,4'-DDT	0.08	U	0.08	U	0.08	U	0.088	U	0.08	U	0.08	U
72-43-5	Methoxychlor	0.38	U	0.38	U	0.38	U	0.42	U	0.38	U	0.38	U
53494-70-5	Endrin ketone	0.08	U	0.08	U	0.08	U	0.088	U	0.08	U	0.08	U
7421-93-4	Endrin aldehyde	0.08	U	0.08	U	0.08	U	0.88	U	0.08	U	0.08	U
5103-71-9	alpha-Chlordane	0.04	U	0.04	U	0.04	U	0.044	U	0.04	U	0.04	U
5103-74-2	gamma-Chlordane	0.04	U	0.04	U	0.04	U	0.044	U	0.04	U	0.04	U
8001-35-2	Toxaphene	2.5	U	2.5	U	2.5	U	2.7	U	2.5	U	2.5	U
12674-11-2	Aroclor-1016	1.	U	1.	U	1.	U	1.1	U	1.	U	1.	U
11104-28-2	Aroclor-1221	1.	U	1.	U	1.	U	1.1	U	1.	U	1.	U
11141-16-5	Aroclor-1232	1.	U	1.	U	1.	U	1.1	U	1.	U	1.	U
53469-21-9	Aroclor-1242	1.	U	1.	U	1.	U	1.1	U	1.	U	1.	U
12672-29-6	Aroclor-1248	1.	U	1.	U	1.	U	1.1	U	1.	U	1.	U
11097-69-1	Aroclor-1254	2.	U	2.	U	2.	U	2.2	U	2.	U	2.	U
11096-82-5	Aroclor-1260	2.	U	2.	U	2.	U	2.2	U	2.	U	2.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

APX9 PEST						
SAMPLE ID ------->	GDC-H-W001-03		GDC-H-W001-04			
ORIGINAL ID ----->	GDCHW00103		GDCHW00104			
LAB SAMPLE ID --->	25505.01		25998.01			
ID FROM REPORT -->	GDCHW00103		GDCHW00104			
SAMPLE DATE ----->	05/06/96		06/12/96			
DATE EXTRACTED -->	05/08/96		06/16/96			
DATE ANALYZED --->	05/19/96		06/25/96			
MATRIX ---------->	Water		Water			
UNITS ----------->	UG/L		UG/L			

CAS #	Parameter	25504	VAL	25997	VAL
319-84-6	alpha-BHC	0.04	U	0.04	U
319-85-7	beta-BHC	0.04	U	0.04	U
319-86-8	delta-BHC	0.04	U	0.04	U
58-89-9	gamma-BHC (Lindane)	0.04	U	0.04	U
76-44-8	Heptachlor	0.04	U	0.04	U
309-00-2	Aldrin	0.04	U	0.04	U
1024-57-3	Heptachlor epoxide	0.04	U	0.04	U
959-98-8	Endosulfan I	0.04	U	0.04	U
60-57-1	Dieldrin	0.08	U	0.08	U
72-55-9	4,4'-DDE	0.08	U	0.08	U
72-20-8	Endrin	0.08	U	0.08	U
33213-65-9	Endosulfan II	0.08	U	0.08	U
72-54-8	4,4'-DDD	0.08	U	0.08	U
1031-07-8	Endosulfan sulfate	0.08	U	0.08	U
50-29-3	4,4'-DDT	0.08	U	0.08	U
72-43-5	Methoxychlor	0.38	U	0.38	U
53494-70-5	Endrin ketone	0.08	U	0.08	U
7421-93-4	Endrin aldehyde	0.08	U	0.08	U
5103-71-9	alpha-Chlordane	0.04	U	0.04	U
5103-74-2	gamma-Chlordane	0.04	U	0.04	U
8001-35-2	Toxaphene	2.5	U	2.5	U
12674-11-2	Aroclor-1016	1.	U	1.	U
11104-28-2	Aroclor-1221	1.	U	1.	U
11141-16-5	Aroclor-1232	1.	U	1.	U
53469-21-9	Aroclor-1242	1.	U	1.	U
12672-29-6	Aroclor-1248	1.	U	1.	U
11097-69-1	Aroclor-1254	2.	U	2.	U
11096-82-5	Aroclor-1260	2.	U	2.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

APX9 SVOA						
SAMPLE ID ------->	044-H-W004-03	044-H-W004-04	044-H-W006-04	047-H-W006-02	047-H-W006-03	GDC-H-W001-02
ORIGINAL ID ----->	044HW00403	044HW00404	044HW00604	047HW00602	047HW00603	GDCHW00102
LAB SAMPLE ID --->	25514.01	25932.01	25986.04	24579.01	25607.01	24544.01
ID FROM REPORT -->	044HW00403	044HW00404	044HW00604	047HW00602	047HW00603	GDCHW00102
SAMPLE DATE ----->	05/07/96	06/07/96	06/11/96	01/24/96	05/14/96	01/22/96
DATE EXTRACTED -->	05/09/96	06/11/96	06/13/96	01/26/96	05/16/96	01/23/96
DATE ANALYZED --->	05/16/96	06/24/96	06/26/96	02/02/96	05/24/96	01/29/96
MATRIX ---------->	Water	Water	Water	Water	Water	Water
UNITS ---------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	25504	VAL	25931	VAL	25931	VAL	24561	VAL	25568	VAL	24514	VAL
110-86-1	Pyridine	10.	U	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	U
108-95-2	Phenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	UJ	10.	U	10.	U	10.	U	10.	U	10.	U
95-57-8	2-Chlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
100-51-6	Benzyl alcohol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-48-7	2-Methylphenol (o-Cresol)	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
106-44-5	4-Methylphenol (p-Cresol)	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U	10.	U	10.	UJ	10.	U	10.	U	10.	U
67-72-1	Hexachloroethane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
98-95-3	Nitrobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
78-59-1	Isophorone	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
88-75-5	2-Nitrophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
105-67-9	2,4-Dimethylphenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
120-83-2	2,4-Dichlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
91-20-3	Naphthalene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
106-47-8	4-Chloroaniline	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
87-68-3	Hexachlorobutadiene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
91-57-6	2-Methylnaphthalene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-95-4	2,4,5-Trichlorophenol	50.	U	50.	U	50.	U	50.	U	50.	U	50.	U
91-58-7	2-Chloronaphthalene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
88-74-4	2-Nitroaniline	50.	U	50.	U	50.	U	50.	U	50.	U	50.	U
131-11-3	Dimethyl phthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
208-96-8	Acenaphthylene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
99-09-2	3-Nitroaniline	50.	U	50.	U	50.	U	50.	U	50.	U	50.	U
83-32-9	Acenaphthene	10.	U	10.	U	10.	U	3.	J	2.	J	10.	U
51-28-5	2,4-Dinitrophenol	50.	U	50.	UJ	50.	U	50.	U	50.	UJ	50.	U
100-02-7	4-Nitrophenol	50.	U	50.	U	50.	U	50.	U	50.	U	50.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

APX9 SVOA						
SAMPLE ID ------->	044-H-W004-03	044-H-W004-04	044-H-W006-04	047-H-W006-02	047-H-W006-03	GDC-H-W001-02
ORIGINAL ID ----->	044HW00403	044HW00404	044HW00604	047HW00602	047HW00603	GDCHW00102
LAB SAMPLE ID --->	25514.01	25932.01	25986.04	24579.01	25607.01	24544.01
ID FROM REPORT -->	044HW00403	044HW00404	044HW00604	047HW00602	047HW00603	GDCHW00102
SAMPLE DATE ----->	05/07/96	06/07/96	06/11/96	01/24/96	05/14/96	01/22/96
DATE EXTRACTED -->	05/09/96	06/11/96	06/13/96	01/26/96	05/16/96	01/23/96
DATE ANALYZED --->	05/16/96	06/24/96	06/26/96	02/02/96	05/24/96	01/29/96
MATRIX ---------->	Water	Water	Water	Water	Water	Water
UNITS ----------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	25504	VAL	25931	VAL	25931	VAL	24561	VAL	25568	VAL	24514	VAL
132-64-9	Dibenzofuran	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
84-66-2	Diethylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
7005-72-3	4-Chlorophenylphenylether	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
86-73-7	Fluorene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
100-01-6	4-Nitroaniline	50.	U	50.	U	50.	U	50.	U	50.	UJ	50.	UJ
534-52-1	2-Methyl-4,6-Dinitrophenol	50.	U	50.	U	50.	U	50.	U	50.	U	50.	U
86-30-6	N-Nitrosodiphenylamine	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
118-74-1	Hexachlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
87-86-5	Pentachlorophenol	50.	U	50.	U	50.	U	50.	U	50.	U	50.	U
85-01-8	Phenanthrene	10.	U	10.	U	10.	U	6.	J	5.	J	10.	U
120-12-7	Anthracene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
84-74-2	Di-n-butylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
206-44-0	Fluoranthene	10.	U	10.	U	10.	U	2.	J	2.	J	10.	U
129-00-0	Pyrene	10.	U	10.	U	10.	U	1.	J	1.	J	10.	U
85-68-7	Butylbenzylphthalate	10.	UJ	10.	U	10.	U	10.	U	10.	U	10.	U
91-94-1	3,3'-Dichlorobenzidine	20.	U	20.	U	20.	U	20.	U	20.	U	20.	U
56-55-3	Benzo(a)anthracene	10.	U	10.	U	10.	UJ	10.	U	10.	U	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
218-01-9	Chrysene	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
117-84-0	Di-n-octyl phthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
50-32-8	Benzo(a)pyrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	UJ	10.	U	10.	U	10.	U	10.	U	10.	U
62-50-0	Ethyl methanesulfonate	10.	UJ	10.	UJ	10.	U	10.	U	10.	UJ	10.	U
106-50-3	p-Phenylenediamine	50.	UJ	50.	U	50.	U	50.	U	50.	U	50.	U
55-18-5	N-Nitrosodiethylamine	10.	UJ	10.	U	10.	U	10.	U	10.	U	10.	UJ
10595-95-6	N-Nitrosomethylethylamine	10.	UJ	10.	U	10.	UJ	10.	U	10.	U	10.	U
924-16-3	N-Nitroso-di-n-butylamine	10.	UJ	10.	U	10.	UJ	10.	UJ	10.	U	10.	UJ
100-75-4	N-Nitrosopiperidine	10.	UJ	10.	UJ	10.	U	10.	U	10.	U	10.	U
298-00-0	Methyl parathion	20.	UJ	20.	UJ	20.	U	20.	U	20.	UJ	20.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

APX9 SVOA	SAMPLE ID ------->	044-H-W004-03	044-H-W004-04	044-H-W006-04	047-H-W006-02	047-H-W006-03	GDC-H-W001-02
	ORIGINAL ID ----->	044HW00403	044HW00404	044HW00604	047HW00602	047HW00603	GDCHW00102
	LAB SAMPLE ID --->	25514.01	25932.01	25986.04	24579.01	25607.01	24544.01
	ID FROM REPORT -->	044HW00403	044HW00404	044HW00604	047HW00602	047HW00603	GDCHW00102
	SAMPLE DATE ----->	05/07/96	06/07/96	06/11/96	01/24/96	05/14/96	01/22/96
	DATE EXTRACTED -->	05/09/96	06/11/96	06/13/96	01/26/96	05/16/96	01/23/96
	DATE ANALYZED --->	05/16/96	06/24/96	06/26/96	02/02/96	05/24/96	01/29/96
	MATRIX ---------->	Water	Water	Water	Water	Water	Water
	UNITS ----------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	25504	VAL	25931	VAL	25931	VAL	24561	VAL	25568	VAL	24514	VAL
94-59-7	Safrole	10.	UJ	10.	UJ	10.	UJ	10.	U	10.	UJ	10.	U
120-58-1	Isosafrole	10.	UJ	10.	UJ	10.	UJ	10.	U	10.	UJ	10.	U
109-06-8	2-Picoline	10.	UJ	10.	U	10.	U	10.	UJ	10.	UJ	10.	UJ
62-44-2	Phenacetin	10.	UJ	10.	UJ	10.	U	10.	UJ	10.	U	10.	U
95-53-4	o-Toluidine	10.	UJ	10.	UJ	10.	U	10.	U	10.	UJ	10.	U
119-93-7	3,3-Dimethylbenzidine	10.	UJ	10.	UJ	10.	UJ	10.	U	10.	UJ	10.	UJ
99-65-0	1,3-Dinitrobenzene	10.	UJ	10.	UJ	10.	U	10.	UJ	10.	UJ	10.	UJ
91-80-5	Methapyrilene	20.	UJ	20.	UJ	20.	UJ	20.	UR	20.	UJ	20.	U
2303-16-4	Diallate	10.	UJ	10.	U	10.	U	10.	UJ	10.	U	10.	UJ
99-35-4	1,3,5-Trinitrobenzene	10.	UJ	10.	U	10.	UJ	10.	UR	10.	UJ	10.	U
52-85-7	Famphur	10.	UJ	10.	UJ	10.	U	10.	UJ	10.	UJ	10.	U
56-57-5	4-Nitroquinoline 1-oxide	50.	UJ	50.	UJ	50.	U	50.	UR	50.	UJ	50.	UJ
95-94-3	1,2,4,5-Tetrachlorobenzene	10.	UJ	10.	UJ	10.	U	10.	UJ	10.	UJ	10.	U
82-68-8	Pentachloronitrobenzene	50.	UJ	50.	UJ	50.	UJ	50.	UR	50.	UJ	50.	UJ
298-02-2	Phorate	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	U	10.	U
140-57-8	Aramite	50.	UR	50.	UR	50.	UR	50.	UR	50.	UR	50.	UJ
62-75-9	N-Nitrosodimethylamine	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
58-90-2	2,3,4,6-Tetrachlorophenol	10.	U	10.	U	10.	U	10.	UJ	10.	U	10.	U
510-15-6	Chlorobenzilate	10.	UJ	10.	UJ	10.	UJ	10.	U	10.	U	10.	U
297-97-2	Thionazin	20.	UJ	20.	UJ	20.	UJ	20.	UJ	20.	U	20.	U
298-04-4	Disulfoton	10.	UJ	10.	U	10.	UJ	10.	UJ	10.	U	10.	U
465-73-6	Isodrin	20.	UJ	20.	UJ	20.	U	20.	UJ	20.	UJ	20.	UJ
59-89-2	N-Nitrosomorpholine	10.	UJ	10.	UJ	10.	U	10.	U	10.	U	10.	U
608-93-5	Pentachlorobenzene	10.	UJ	10.	UJ	10.	U	10.	UJ	10.	UJ	10.	U
92-67-1	4-Aminobiphenyl	10.	UJ	10.	UJ	10.	U	10.	U	10.	UJ	10.	U
1888-71-7	Hexachloropropene	10.	UJ	10.	UJ	10.	U	10.	U	10.	U	10.	U
87-65-0	2,6-Dichlorophenol	10.	U	10.	UJ	10.	U	10.	U	10.	UJ	10.	UJ
66-27-3	Methyl methanesulfonate	50.	UJ	50.	UJ	50.	UJ	50.	UJ	50.	U	50.	U
130-15-4	1,4-Naphthoquinone	10.	UJ	10.	UJ	10.	UJ	10.	U	10.	UJ	10.	U
930-55-2	N-Nitrosopyrrolidine	10.	UJ	10.	U	10.	UJ	10.	U	10.	U	10.	U
98-86-2	Acetophenone	10.	UJ	10.	UJ	10.	UJ	10.	U	10.	UJ	10.	U
60-51-5	Dimethoate	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	U	10.	U
56-49-5	3-Methyl cholanthrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
53-96-3	Acetamidofluorene	10.	UJ	10.	UJ	10.	U	10.	U	10.	U	10.	U
62-53-3	Aniline	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
96-12-8	1,2-Dibromo-3-Chloropropane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

APX9 SVOA	SAMPLE ID ------->	044-H-W004-03	044-H-W004-04	044-H-W006-04	047-H-W006-02	047-H-W006-03	GDC-H-W001-02
	ORIGINAL ID ----->	044HW00403	044HW00404	044HW00604	047HW00602	047HW00603	GDCHW00102
	LAB SAMPLE ID --->	25514.01	25932.01	25986.04	24579.01	25607.01	24544.01
	ID FROM REPORT -->	044HW00403	044HW00404	044HW00604	047HW00602	047HW00603	GDCHW00102
	SAMPLE DATE ----->	05/07/96	06/07/96	06/11/96	01/24/96	05/14/96	01/22/96
	DATE EXTRACTED -->	05/09/96	06/11/96	06/13/96	01/26/96	05/16/96	01/23/96
	DATE ANALYZED --->	05/16/96	06/24/96	06/26/96	02/02/96	05/24/96	01/29/96
	MATRIX ---------->	Water	Water	Water	Water	Water	Water
	UNITS ----------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	25504	VAL	25931	VAL	25931	VAL	24561	VAL	25568	VAL	24514	VAL
70-30-4	Hexachlorophene	200.	UR	200.	UR	200.	UR	200.	UR	200.	UR	200.	UJ
143-50-0	Kepone	50.	UJ	50.	UJ	50.	UJ	50.	U	50.	UJ	50.	UJ
134-32-7	1-Naphthylamine	10.	UJ	10.	UJ	10.	U	10.	UJ	10.	UJ	10.	U
91-59-8	2-Naphthylamine	10.	UJ	10.	UJ	10.	U	10.	U	10.	UJ	10.	UJ
23950-58-5	Pronamide	10.	UJ	10.	UJ	10.	UJ	10.	U	10.	U	10.	U
57-97-6	7,12-Dimethylbenz(a)anthracene	10.	UJ	10.	U	10.	UJ	10.	UJ	10.	UJ	50.	UJ
126-68-1	O,O,O-Triethylphosphorothioate	10.	UJ	10.	UJ	10.	U	10.	U	10.	U	10.	U
3689-24-5	Sulfotep	20.	UJ	20.	UJ	20.	UJ	20.	U	20.	U	20.	U
99-55-8	5-Nitro-o-toluidine	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
122-39-4	Diphenylamine	10.	UJ	10.	UJ	10.	UJ	10.	U	10.	UJ	10.	U
88-85-7	Dinoseb	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
56-38-2	Parathion	20.	UJ	20.	UJ	20.	U	20.	U	20.	UJ	20.	U
60-11-7	p-(Dimethylamino)azobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
122-09-8	a,a-Dimethylphenethylamine	10.	UJ	10.	U	10.	U	10.	UJ	10.	U	10.	UJ
86-74-8	Carbazole	10.	U	10.	U	10.	U	2.	J	10.	U	10.	U
108-39-4	3-Methylphenol (m-Cresol)	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ	10.	UJ

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

APX9 SVOA							
SAMPLE ID ------->	GDC-H-W001-03		GDC-H-W001-04				
ORIGINAL ID ----->	GDCHW00103		GDCHW00104				
LAB SAMPLE ID --->	25505.01		25998.01				
ID FROM REPORT -->	GDCHW00103		GDCHW00104				
SAMPLE DATE ----->	05/06/96		06/12/96				
DATE EXTRACTED -->	05/08/96		06/14/96				
DATE ANALYZED --->	05/15/96		07/04/96				
MATRIX ---------->	Water		Water				
UNITS ----------->	UG/L		UG/L				
CAS #	Parameter	25504 VAL		25997 VAL			
110-86-1	Pyridine	10.	UJ	10.	UJ		
108-95-2	Phenol	10.	U	10.	U		
111-44-4	bis(2-Chloroethyl)ether	10.	U	10.	U		
95-57-8	2-Chlorophenol	10.	U	10.	U		
541-73-1	1,3-Dichlorobenzene	10.	U	10.	U		
106-46-7	1,4-Dichlorobenzene	10.	U	10.	U		
100-51-6	Benzyl alcohol	10.	U	10.	U		
95-50-1	1,2-Dichlorobenzene	10.	U	10.	U		
95-48-7	2-Methylphenol (o-Cresol)	10.	U	10.	U		
106-44-5	4-Methylphenol (p-Cresol)	10.	U	10.	UJ		
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U	10.	UJ		
621-64-7	N-Nitroso-di-n-propylamine	10.	U	10.	U		
67-72-1	Hexachloroethane	10.	U	10.	U		
98-95-3	Nitrobenzene	10.	U	10.	U		
78-59-1	Isophorone	10.	U	10.	U		
88-75-5	2-Nitrophenol	10.	U	10.	U		
105-67-9	2,4-Dimethylphenol	10.	U	10.	U		
111-91-1	bis(2-Chloroethoxy)methane	10.	U	10.	U		
120-83-2	2,4-Dichlorophenol	10.	U	10.	U		
120-82-1	1,2,4-Trichlorobenzene	10.	U	10.	U		
91-20-3	Naphthalene	10.	U	10.	U		
106-47-8	4-Chloroaniline	10.	U	10.	U		
87-68-3	Hexachlorobutadiene	10.	U	10.	U		
59-50-7	4-Chloro-3-methylphenol	10.	U	10.	U		
91-57-6	2-Methylnaphthalene	10.	U	10.	U		
77-47-4	Hexachlorocyclopentadiene	10.	U	10.	U		
88-06-2	2,4,6-Trichlorophenol	10.	U	10.	U		
95-95-4	2,4,5-Trichlorophenol	50.	U	50.	U		
91-58-7	2-Chloronaphthalene	10.	U	10.	U		
88-74-4	2-Nitroaniline	50.	U	50.	U		
131-11-3	Dimethyl phthalate	10.	U	10.	U		
208-96-8	Acenaphthylene	10.	U	10.	U		
99-09-2	3-Nitroaniline	50.	U	50.	U		
83-32-9	Acenaphthene	10.	U	10.	U		
51-28-5	2,4-Dinitrophenol	50.	U	50.	UJ		
100-02-7	4-Nitrophenol	50.	U	50.	U		

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

APX9 SVOA						
SAMPLE ID ------->	GDC-H-W001-03		GDC-H-W001-04			
ORIGINAL ID ----->	GDCHW00103		GDCHW00104			
LAB SAMPLE ID --->	25505.01		25998.01			
ID FROM REPORT -->	GDCHW00103		GDCHW00104			
SAMPLE DATE ----->	05/06/96		06/12/96			
DATE EXTRACTED -->	05/08/96		06/14/96			
DATE ANALYZED --->	05/15/96		07/04/96			
MATRIX ---------->	Water		Water			
UNITS ----------->	UG/L		UG/L			

CAS #	Parameter	25504	VAL	25997	VAL				
132-64-9	Dibenzofuran	10.	U	10.	U				
121-14-2	2,4-Dinitrotoluene	10.	U	10.	U				
606-20-2	2,6-Dinitrotoluene	10.	U	10.	U				
84-66-2	Diethylphthalate	10.	U	10.	U				
7005-72-3	4-Chlorophenylphenylether	10.	U	10.	U				
86-73-7	Fluorene	10.	U	10.	U				
100-01-6	4-Nitroaniline	50.	U	50.	U				
534-52-1	2-Methyl-4,6-Dinitrophenol	50.	U	50.	U				
86-30-6	N-Nitrosodiphenylamine	10.	U	10.	U				
101-55-3	4-Bromophenyl-phenylether	10.	U	10.	U				
118-74-1	Hexachlorobenzene	10.	U	10.	U				
87-86-5	Pentachlorophenol	50.	U	50.	U				
85-01-8	Phenanthrene	10.	U	10.	U				
120-12-7	Anthracene	10.	U	10.	U				
84-74-2	Di-n-butylphthalate	10.	U	10.	U				
206-44-0	Fluoranthene	10.	U	10.	U				
129-00-0	Pyrene	10.	U	10.	U				
85-68-7	Butylbenzylphthalate	10.	U	10.	U				
91-94-1	3,3'-Dichlorobenzidine	20.	U	20.	U				
56-55-3	Benzo(a)anthracene	10.	U	10.	U				
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	10.	U	10.	U				
218-01-9	Chrysene	10.	U	10.	U				
117-84-0	Di-n-octyl phthalate	10.	U	10.	U				
205-99-2	Benzo(b)fluoranthene	10.	U	10.	U				
207-08-9	Benzo(k)fluoranthene	10.	U	10.	UJ				
50-32-8	Benzo(a)pyrene	10.	U	10.	U				
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U	10.	U				
53-70-3	Dibenz(a,h)anthracene	10.	U	10.	U				
191-24-2	Benzo(g,h,i)perylene	10.	U	10.	U				
62-50-0	Ethyl methanesulfonate	10.	UJ	10.	U				
106-50-3	p-Phenylenediamine	50.	UJ	50.	U				
55-18-5	N-Nitrosodiethylamine	10.	U	10.	UJ				
10595-95-6	N-Nitrosomethylethylamine	10.	U	10.	UJ				
924-16-3	N-Nitroso-di-n-butylamine	10.	U	10.	UJ				
100-75-4	N-Nitrosopiperidine	10.	U	10.	U				
298-00-0	Methyl parathion	20.	UJ	20.	UJ				

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

APX9 SVOA							
SAMPLE ID ------->	GDC-H-W001-03		GDC-H-W001-04				
ORIGINAL ID ----->	GDCHW00103		GDCHW00104				
LAB SAMPLE ID --->	25505.01		25998.01				
ID FROM REPORT -->	GDCHW00103		GDCHW00104				
SAMPLE DATE ----->	05/06/96		06/12/96				
DATE EXTRACTED -->	05/08/96		06/14/96				
DATE ANALYZED --->	05/15/96		07/04/96				
MATRIX ---------->	Water		Water				
UNITS ----------->	UG/L		UG/L				
CAS #	Parameter	25504 VAL	25997 VAL				
94-59-7	Safrole	10. UJ	10. UJ				
120-58-1	Isosafrole	10. UJ	10. UJ				
109-06-8	2-Picoline	10. UJ	10. U				
62-44-2	Phenacetin	10. UJ	10. UJ				
95-53-4	o-Toluidine	10. UJ	10. UJ				
119-93-7	3,3-Dimethylbenzidine	10. UJ	10. UJ				
99-65-0	1,3-Dinitrobenzene	10. UJ	10. UJ				
91-80-5	Methapyrilene	20. U	20. U				
2303-16-4	Diallate	10. U	10. UJ				
99-35-4	1,3,5-Trinitrobenzene	10. UJ	10. U				
52-85-7	Famphur	10. UJ	10. U				
56-57-5	4-Nitroquinoline 1-oxide	50. UJ	50. UJ				
95-94-3	1,2,4,5-Tetrachlorobenzene	10. U	10. UJ				
82-68-8	Pentachloronitrobenzene	50. UJ	50. UJ				
298-02-2	Phorate	10. UJ	10. U				
140-57-8	Aramite	50. UR	50. UR				
62-75-9	N-Nitrosodimethylamine	10. U	10. UJ				
58-90-2	2,3,4,6-Tetrachlorophenol	10. U	10. U				
510-15-6	Chlorobenzilate	10. UJ	10. UJ				
297-97-2	Thionazin	20. UJ	20. U				
298-04-4	Disulfoton	10. UJ	10. U				
465-73-6	Isodrin	20. UJ	20. UJ				
59-89-2	N-Nitrosomorpholine	10. U	10. UJ				
608-93-5	Pentachlorobenzene	10. U	10. UJ				
92-67-1	4-Aminobiphenyl	10. UJ	10. UJ				
1888-71-7	Hexachloropropene	10. U	10. UJ				
87-65-0	2,6-Dichlorophenol	10. U	10. U				
66-27-3	Methyl methanesulfonate	50. UJ	50. UJ				
130-15-4	1,4-Naphthoquinone	10. UJ	10. UJ				
930-55-2	N-Nitrosopyrrolidine	10. U	10. UJ				
98-86-2	Acetophenone	10. UJ	10. UJ				
60-51-5	Dimethoate	10. U	10. U				
56-49-5	3-Methyl cholanthrene	10. U	10. U				
53-96-3	Acetamidofluorene	10. UJ	10. U				
62-53-3	Aniline	10. U	10. U				
96-12-8	1,2-Dibromo-3-Chloropropane	10. U	10. "				

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

APX9 SVOA							
	SAMPLE ID ------->	GDC-H-W001-03		GDC-H-W001-04			
	ORIGINAL ID ----->	GDCHW00103		GDCHW00104			
	LAB SAMPLE ID --->	25505.01		25998.01			
	ID FROM REPORT -->	GDCHW00103		GDCHW00104			
	SAMPLE DATE ----->	05/06/96		06/12/96			
	DATE EXTRACTED -->	05/08/96		06/14/96			
	DATE ANALYZED --->	05/15/96		07/04/96			
	MATRIX ---------->	Water		Water			
	UNITS ----------->	UG/L		UG/L			
CAS #	Parameter	25504	VAL	25997	VAL		
70-30-4	Hexachlorophene	200.	UR	200.	UR		
143-50-0	Kepone	50.	UJ	50.	U		
134-32-7	1-Naphthylamine	10.	UJ	10.	UJ		
91-59-8	2-Naphthylamine	10.	UJ	10.	UJ		
23950-58-5	Pronamide	10.	UJ	10.	UJ		
57-97-6	7,12-Dimethylbenz(a)anthracene	10.	U	10.	UJ		
126-68-1	O,O,O-Triethylphosphorothioate	10.	UJ	10.	UJ		
3689-24-5	Sulfotep	20.	UJ	20.	U		
99-55-8	5-Nitro-o-toluidine	10.	U	10.	U		
122-39-4	Diphenylamine	10.	UJ	10.	UJ		
88-85-7	Dinoseb	10.	U	10.	U		
56-38-2	Parathion	20.	UJ	20.	UJ		
60-11-7	p-(Dimethylamino)azobenzene	10.	U	10.	U		
122-09-8	a,a-Dimethylphenethylamine	10.	U	10.	U		
86-74-8	Carbazole	10.	U	NR			
108-39-4	3-Methylphenol (m-Cresol)	10.	UJ	NR			

*** Validation Complete ***

DATALCP3
09/30/97

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

Time: 09:36

APX9 VOA	SAMPLE ID ------->	044-H-W006-04		047-H-W006-02		047-H-W006-03		GDC-H-W001-02		GDC-H-W001-03		GDC-H-W001-04	
	ORIGINAL ID ----->	044HW00604		047HW00602		047HW00603		GDCHW00102		GDCHW00103		GDCHW00104	
	LAB SAMPLE ID --->	25986.04		24579.01		25607.01		24544.01		25505.01		25998.01	
	ID FROM REPORT -->	044HW00604		047HW00602		047HW00603		GDCHW00102		GDCHW00103		GDCHW00104	
	SAMPLE DATE ----->	06/11/96		01/24/96		05/14/96		01/22/96		05/06/96		06/12/96	
	DATE ANALYZED --->	06/19/96		02/01/96		05/21/96		01/24/96		05/13/96		06/19/96	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ----------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	25931	VAL	24561	VAL	25568	VAL	24514	VAL	25504	VAL	25997	VAL
74-87-3	Chloromethane	10.	U	10.	UJ	10.	U	10.	U	10.	U	10.	U
74-83-9	Bromomethane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
75-01-4	Vinyl chloride	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
75-00-3	Chloroethane	10.	U	10.	UJ	10.	U	10.	U	10.	U	10.	U
75-09-2	Methylene chloride	5.	U	5.	U	5.	U	5.	UJ	5.	U	10.	U
67-64-1	Acetone	10.	U	10.	U	10.	UJ	10.	U	14.	U	10.	U
75-15-0	Carbon disulfide	5.	U	5.	U	5.	UJ	5.	U	5.	U	5.	U
75-35-4	1,1-Dichloroethene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
75-34-3	1,1-Dichloroethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
540-59-0	1,2-Dichloroethene (total)	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
67-66-3	Chloroform	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
107-06-2	1,2-Dichloroethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
78-93-3	2-Butanone (MEK)	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
56-23-5	Carbon tetrachloride	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
108-05-4	Vinyl acetate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
75-27-4	Bromodichloromethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
78-87-5	1,2-Dichloropropane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
79-01-6	Trichloroethene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
124-48-1	Dibromochloromethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
71-43-2	Benzene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
75-25-2	Bromoform	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	10.	U	10.	UJ	10.	U	10.	U	10.	U	10.	U
591-78-6	2-Hexanone	10.	U	10.	UJ	10.	U	10.	U	10.	U	10.	U
127-18-4	Tetrachloroethene	5.	U	5.	UJ	5.	U	5.	U	5.	U	5.	U
108-88-3	Toluene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U	5.	UJ	5.	U	5.	U	5.	U	5.	U
108-90-7	Chlorobenzene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
100-41-4	Ethylbenzene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
100-42-5	Styrene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
1330-20-7	Xylene (Total)	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
110-75-8	2-Chloroethyl vinyl ether	10.	UR	10.	U	10.	U	10.	U	10.	UR	10.	UR
107-02-8	Acrolein	50.	U	50.	U	50.	UR	50.	U	50.	UR	50.	U
74-88-4	[illegible]yl iodide	5.	U	5.	[illegible]	5.	U	5.	UJ	5.	U	5.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

APX9 VOA													
	SAMPLE ID ------>	044-H-W006-04		047-H-W006-02		047-H-W006-03		GDC-H-W001-02		GDC-H-W001-03		GDC-H-W001-04	
	ORIGINAL ID ----->	044HW00604		047HW00602		047HW00603		GDCHW00102		GDCHW00103		GDCHW00104	
	LAB SAMPLE ID --->	25986.04		24579.01		25607.01		24544.01		25505.01		25998.01	
	ID FROM REPORT -->	044HW00604		047HW00602		047HW00603		GDCHW00102		GDCHW00103		GDCHW00104	
	SAMPLE DATE ----->	06/11/96		01/24/96		05/14/96		01/22/96		05/06/96		06/12/96	
	DATE ANALYZED --->	06/19/96		02/01/96		05/21/96		01/24/96		05/13/96		06/19/96	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	25931	VAL	24561	VAL	25568	VAL	24514	VAL	25504	VAL	25997	VAL
107-05-1	3-Chloropropene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
126-99-8	Chloroprene	5.	U	5.	U	5.	U	5.	UJ	5.	U	5.	U
110-57-6	trans-1,4-Dichloro-2-butene	5.	U	5.	UJ	5.	UJ	5.	UJ	5.	U	5.	U
76-01-7	Pentachloroethane	5.	U	5.	U	5.	U	5.	UJ	5.	U	5.	U
75-05-8	Acetonitrile	200.	U	200.	U	200.	UR	200.	UR	200.	UR	200.	UR
107-13-1	Acrylonitrile	50.	U	50.	UJ	50.	U	50.	UJ	50.	U	50.	U
107-12-0	Propionitrile	100.	U	100.	UJ	100.	U	100.	UJ	100.	U	100.	U
126-98-7	Methacrylonitrile	100.	U	100.	U	100.	U	100.	UJ	100.	U	100.	U
78-83-1	Isobutyl alcohol	200.	UR	200.	UR	200.	UR	200.	UR	200.	UR	200.	UR
123-91-1	1,4-Dioxane	500.	UR	500.	UR	500.	UR	500.	UR	500.	UR	500.	UR
80-62-6	Methyl methacrylate	5.	U	5.	U	5.	U	5.	UJ	5.	U	5.	U
97-63-2	Ethyl methacrylate	5.	U	5.	U	5.	U	5.	UJ	5.	U	5.	U
106-93-4	1, 2-Dibromoethane	5.	U	5.	U	5.	U	5.	UJ	5.	U	5.	U
630-20-6	1,1,1,2-Tetrachloroethane	5.	U	5.	UJ	5.	U	5.	UJ	5.	U	5.	U
96-18-4	1,2,3-Trichloropropane	5.	U	5.	U	5.	U	5.	UJ	5.	U	5.	U
75-71-8	Dichlorodifluoromethane	5.	UR	5.	UJ	5.	UR	5.	U	5.	U	5.	UR
75-69-4	Trichlorofluoromethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
74-95-3	Methylene bromide	10.	U	10.	U	10.	U	10.	UJ	10.	U	10.	U
96-12-8	1,2-Dibromo-3-Chloropropane	10.	U	10.	UJ	10.	U	10.	UR	10.	U	10.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

CHLORIDE												
	SAMPLE ID ------->	044-G-W001-02		044-G-W001-03		044-G-W001-04		044-G-W002-02		044-G-W002-03		044-G-W002-04
	ORIGINAL ID ----->	044GW00102		044GW00103		044GW00104		044GW00202		044GW00203		044GW00204
	LAB SAMPLE ID --->	24527.01		25504.01		25985.03		24527.02		25513.01		25931.01
	ID FROM REPORT -->	044GW00102		044GW00103		044GW00104		044GW00202		044GW00203		044GW00204
	SAMPLE DATE ----->	01/18/96		05/06/96		06/11/96		01/18/96		05/07/96		06/07/96
	DATE ANALYZED --->	01/19/96		05/09/96		06/17/96		01/19/96		05/09/96		06/12/96
	MATRIX ---------->	Water		Water		Water		Water		Water		Water
	UNITS ---------->	MG/L		MG/L		MG/L		MG/L		MG/L		MG/L
CAS #	Parameter	24514	VAL	25504	VAL	25931	VAL	24514	VAL	25504	VAL	25931 VAL
16887-00-6	Chloride	18.8		16.2	U	20.7	U	4.6		9.6	U	9.36 U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

CHLORIDE												
	SAMPLE ID ------>	044-G-W003-02		044-G-W003-03		044-G-W003-04		044-G-W004-02		044-H-W004-02		044-G-W004-03	
	ORIGINAL ID ----->	044GW00302		044GW00303		044GW00304		044GW00402		044HW00402		044GW00403	
	LAB SAMPLE ID --->	24514.03		25504.02		25931.02		24514.01		24514.02		25513.02	
	ID FROM REPORT -->	044GW00302		044GW00303		044GW00304		044GW00402		044HW00402		044GW00403	
	SAMPLE DATE ----->	01/17/96		05/06/96		06/07/96		01/17/96		01/17/96		05/07/96	
	DATE ANALYZED --->	01/19/96		05/09/96		06/12/96		01/23/96		01/23/96		05/10/96	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	MG/L		MG/L		MG/L		MG/L		MG/L		MG/L	
CAS #	Parameter	24514	VAL	25504	VAL	25931	VAL	24514	VAL	24514	VAL	25504	VAL
16887-00-6	Chloride	11.1		10.1	U	12.	U	118.		116.		154.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

CHLORIDE

SAMPLE ID ------->	044-H-W004-03	044-G-W004-04	044-H-W004-04	044-G-W005-02	044-G-W005-03	044-G-W005-04
ORIGINAL ID ----->	044HW00403	044GW00404	044HW00404	044GW00502	044GW00503	044GW00504
LAB SAMPLE ID --->	25514.01	25931.03	25932.01	24514.04	25558.01	25951.01
ID FROM REPORT -->	044HW00403	044GW00404	044HW00404	044GW00502	044GW00503	044GW00504
SAMPLE DATE ----->	05/07/96	06/07/96	06/07/96	01/17/96	05/09/96	06/10/96
DATE ANALYZED --->	05/10/96	06/13/96	06/13/96	01/23/96	05/12/96	06/13/96
MATRIX ---------->	Water	Water	Water	Water	Water	Water
UNITS ----------->	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L

CAS #	Parameter	25504	VAL	25931	VAL	25931	VAL	24514	VAL	25504	VAL	25931	VAL
16887-00-6	Chloride	154.	U	165.		160.		8190.		10700.		11500.	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

CHLORIDE												
	SAMPLE ID ------>	044-G-W006-02		044-G-W006-03		044-G-W006-04		044-G-W007-02		044-G-W007-03		044-G-W007-04	
	ORIGINAL ID ----->	044GW00602		044GW00603		044GW00604		044GW00702		044GW00703		044GW00704	
	LAB SAMPLE ID --->	24514.05		25533.01		25985.01		24527.04		25568.01		25985.02	
	ID FROM REPORT -->	044GW00602		044GW00603		044GW00604		044GW00702		044GW00703		044GW00704	
	SAMPLE DATE ----->	01/17/96		05/08/96		06/11/96		01/18/96		05/10/96		06/11/96	
	DATE ANALYZED --->	01/23/96		05/11/96		06/18/96		01/23/96		05/12/96		06/18/96	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	MG/L		MG/L		MG/L		MG/L		MG/L		MG/L	
CAS #	Parameter	24514	VAL	25504	VAL	25931	VAL	24514	VAL	25568	VAL	25931	VAL
16887-00-6	Chloride	663.		362.		5280.		759.		689.		1010.	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

CHLORIDE							
SAMPLE ID ------->	044-G-W008-02	044-G-W008-03	044-G-W008-04	GDC-G-W001-02	GDC-H-W001-02	GDC-G-W001-03
ORIGINAL ID ----->	044GW00802	044GW00803	044GW00804	GDCGW00102	GDCHW00102	GDCGW00103
LAB SAMPLE ID --->	24527.03	25533.02	25997.03	24543.01	24544.01	25504.03
ID FROM REPORT -->	044GW00802	044GW00803	044GW00804	GDCGW00102	GDCHW00102	GDCGW00103
SAMPLE DATE ----->	01/18/96	05/08/96	06/12/96	01/22/96	01/22/96	05/06/96
DATE ANALYZED --->	01/23/96	05/11/96	06/24/96	01/23/96	01/23/96	05/09/96
MATRIX ---------->	Water	Water	Water	Water	Water	Water
UNITS ----------->	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L

CAS #	Parameter	24514	VAL	25504	VAL	25997	VAL	24514	VAL	24514	VAL	25504	VAL
16887-00-6	Chloride	3700.		1590.		4880.		8.1		3.7		3.1	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

CHLORIDE

SAMPLE ID ------->	GDC-H-W001-03		GDC-G-W001-04		GDC-H-W001-04		GDC-G-W002-02		GDC-G-W002-03		GDC-G-W002-04	
ORIGINAL ID ----->	GDCHW00103		GDCGW00104		GDCHW00104		GDCGW00202		GDCGW00203		GDCGW00204	
LAB SAMPLE ID --->	25505.01		25997.01		25998.01		24536.01		25513.03		26016.01	
ID FROM REPORT -->	GDCHW00103		GDCGW00104		GDCHW00104		GDCGW00202		GDCGW00203		GDCGW00204	
SAMPLE DATE ----->	05/06/96		06/12/96		06/12/96		01/19/96		05/07/96		06/13/96	
DATE ANALYZED --->	05/09/96		06/17/96		06/18/96		01/23/96		05/09/96		06/18/96	
MATRIX ---------->	Water		Water		Water		Water		Water		Water	
UNITS ----------->	MG/L		MG/L		MG/L		MG/L		MG/L		MG/L	
CAS # **Parameter**	25504	**VAL**	25997	**VAL**	25997	**VAL**	24514	**VAL**	25504	**VAL**	25997	**VAL**
16887-00-6 Chloride	2.9	U	3.4		3.5		7.3		6.3	U	6.2	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

CHLORIDE												
	SAMPLE ID ------>	GDC-G-W01D-02		GDC-G-W01D-03		GDC-G-W01D-04	GDC-G-W02D-02		GDC-G-W02D-03		GDC-G-W02D-04	
	ORIGINAL ID ----->	GDCGW01D02		GDCGW01D03		GDCGW01D04	GDCGW02D02		GDCGW02D03		GDCGW02D04	
	LAB SAMPLE ID --->	24543.02		25504.04		25997.02	24536.02		25513.04		26016.02	
	ID FROM REPORT -->	GDCGW01D02		GDCGW01D03		GDCGW01D04	GDCGW02D02		GDCGW02D03		GDCGW02D04	
	SAMPLE DATE ----->	01/22/96		05/06/96		06/12/96	01/19/96		05/07/96		06/13/96	
	DATE ANALYZED --->	01/23/96		05/09/96		06/17/96	01/23/96		05/10/96		06/22/96	
	MATRIX ---------->	Water		Water		Water	Water		Water		Water	
	UNITS ---------->	MG/L		MG/L		MG/L	MG/L		MG/L		MG/L	
CAS #	Parameter	24514	VAL	25504	VAL	25997	24514	VAL	25504	VAL	25997	VAL
16887-00-6	Chloride	8.5		7.8	U	7.5	501.		640.		608.	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

CYANIDE												
	SAMPLE ID ------->| 044-G-W001-02		044-G-W001-03		044-G-W001-04		044-G-W002-02		044-G-W002-03		044-G-W002-04	
	ORIGINAL ID ----->| 044GW00102		044GW00103		044GW00104		044GW00202		044GW00203		044GW00204	
	LAB SAMPLE ID --->| 24527.01		25504.01		25985.03		24527.02		25513.01		25931.01	
	ID FROM REPORT -->| 044GW00102		044GW00103		044GW00104		044GW00202		044GW00203		044GW00204	
	SAMPLE DATE ----->| 01/18/96		05/06/96		06/11/96		01/18/96		05/07/96		06/07/96	
	DATE EXTRACTED -->| 01/25/96		05/10/96		06/18/96		01/25/96		05/10/96		06/14/96	
	DATE ANALYZED --->| 01/25/96		05/18/96		06/21/96		01/25/96		05/18/96		06/15/96	
	MATRIX ---------->| Water		Water		Water		Water		Water		Water	
	UNITS ----------->| UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	24514	VAL	25504	VAL	25931	VAL	24514	VAL	25504	VAL	25931	VAL
57-12-5	Cyanide (CN)	2.	U	2.	U	2.	U	2.	U	2.	U	2.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

CYANIDE						
SAMPLE ID ------->	044-G-W003-02	044-G-W003-03	044-G-W003-04	044-G-W004-02	044-H-W004-02	044-G-W004-03
ORIGINAL ID ----->	044GW00302	044GW00303	044GW00304	044GW00402	044HW00402	044GW00403
LAB SAMPLE ID --->	24514.03	25504.02	25931.02	24514.01	24514.02	25513.02
ID FROM REPORT -->	044GW00302	044GW00303	044GW00304	044GW00402	044HW00402	044GW00403
SAMPLE DATE ----->	01/17/96	05/06/96	06/07/96	01/17/96	01/17/96	05/07/96
DATE EXTRACTED -->	01/24/96	05/10/96	06/14/96	01/24/96	01/24/96	05/10/96
DATE ANALYZED --->	01/25/96	05/18/96	06/15/96	01/25/96	01/25/96	05/18/96
MATRIX ---------->	Water	Water	Water	Water	Water	Water
UNITS ----------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	24514	VAL	25504	VAL	25931	VAL	24514	VAL	24514	VAL	25504	VAL
57-12-5	Cyanide (CN)	2.	U	2.	U	2.	U	2.	U	2.	U	2.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

CYANIDE						
SAMPLE ID ------->	044-H-W004-03	044-G-W004-04	044-H-W004-04	044-G-W005-02	044-G-W005-03	044-G-W005-04
ORIGINAL ID ----->	044HW00403	044GW00404	044HW00404	044GW00502	044GW00503	044GW00504
LAB SAMPLE ID --->	25514.01	25931.03	25932.01	24514.04	25558.01	25951.01
ID FROM REPORT -->	044HW00403	044GW00404	044HW00404	044GW00502	044GW00503	044GW00504
SAMPLE DATE ----->	05/07/96	06/07/96	06/07/96	01/17/96	05/09/96	06/10/96
DATE EXTRACTED -->	05/10/96	06/14/96	06/14/96	01/24/96	05/14/96	06/14/96
DATE ANALYZED --->	05/18/96	06/15/96	06/15/96	01/25/96	05/18/96	06/15/96
MATRIX ---------->	Water	Water	Water	Water	Water	Water
UNITS ----------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	25504	VAL	25931	VAL	25931	VAL	24514	VAL	25504	VAL	25931	VAL
57-12-5	Cyanide (CN)	2.	U	3.1	U	2.5	U	2.	U	2.	U	2.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

CYANIDE						
SAMPLE ID ------->	044-G-W006-02	044-G-W006-03	044-G-W006-04	044-H-W006-04	044-G-W007-02	044-G-W007-03
ORIGINAL ID ----->	044GW00602	044GW00603	044GW00604	044HW00604	044GW00702	044GW00703
LAB SAMPLE ID --->	24514.05	25533.01	25985.01	25986.04	24527.04	25568.01
ID FROM REPORT -->	044GW00602	044GW00603	044GW00604	044HW00604	044GW00702	044GW00703
SAMPLE DATE ----->	01/17/96	05/08/96	06/11/96	06/11/96	01/18/96	05/10/96
DATE EXTRACTED -->	01/24/96	05/14/96	06/18/96	06/18/96	01/25/96	05/14/96
DATE ANALYZED --->	01/25/96	05/18/96	06/21/96	06/21/96	01/25/96	05/18/96
MATRIX ---------->	Water	Water	Water	Water	Water	Water
UNITS ----------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	24514	VAL	25504	VAL	25931	VAL	25931	VAL	24514	VAL	25568	VAL
57-12-5	Cyanide (CN)	2.	U	3.6	U	2.	U	2.	U	2.	U	2.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

CYANIDE												
	SAMPLE ID ------->	044-G-W007-04		044-G-W008-02		044-G-W008-03		044-G-W008-04		047-G-W001-02		047-G-W001-03	
	ORIGINAL ID ----->	044GW00704		044GW00802		044GW00803		044GW00804		047GW00102		047GW00103	
	LAB SAMPLE ID --->	25985.02		24527.03		25533.02		25997.03		24583.03		25558.02	
	ID FROM REPORT -->	044GW00704		044GW00802		044GW00803		044GW00804		047GW00102		047GW00103	
	SAMPLE DATE ----->	06/11/96		01/18/96		05/08/96		06/12/96		01/25/96		05/09/96	
	DATE EXTRACTED -->	06/18/96		01/25/96		05/14/96		06/18/96		01/31/96		05/14/96	
	DATE ANALYZED --->	06/21/96		01/25/96		05/18/96		06/21/96		02/01/96		05/18/96	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	25931	VAL	24514	VAL	25504	VAL	25997	VAL	24561	VAL	25504	VAL
57-12-5	Cyanide (CN)	2.	U	2.	U	2.7	U	2.	U	2.	U	2.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

CYANIDE												
	SAMPLE ID ------->| 047-G-W001-04		047-G-W002-02		047-G-W002-03		047-G-W002-04		047-G-W003-02		047-G-W003-03	
	ORIGINAL ID ----->| 047GW00104		047GW00202		047GW00203		047GW00204		047GW00302		047GW00303	
	LAB SAMPLE ID --->| 25931.04		24583.06		25533.03		25931.07		24578.04		25533.04	
	ID FROM REPORT -->| 047GW00104		047GW00202		047GW00203		047GW00204		047GW00302		047GW00303	
	SAMPLE DATE ----->| 06/07/96		01/25/96		05/08/96		06/07/96		01/24/96		05/08/96	
	DATE EXTRACTED -->| 06/14/96		01/31/96		05/14/96		06/14/96		01/31/96		05/14/96	
	DATE ANALYZED --->| 06/15/96		02/01/96		05/18/96		06/15/96		02/01/96		05/18/96	
	MATRIX ---------->| Water		Water		Water		Water		Water		Water	
	UNITS ----------->| UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	25931	VAL	24561	VAL	25504	VAL	25931	VAL	24561	VAL	25504	VAL
57-12-5	Cyanide (CN)	2.	U	2.	U	2.3	U	2.	U	2.5	J	2.1	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

CYANIDE							
SAMPLE ID ------->	047-G-W003-04	047-G-W004-02	047-G-W004-03	047-G-W004-04	047-G-W005-02	047-G-W005-03
ORIGINAL ID ----->	047GW00304	047GW00402	047GW00403	047GW00404	047GW00502	047GW00503
LAB SAMPLE ID --->	25951.02	24583.01	25597.03	25951.03	24578.01	25597.04
ID FROM REPORT -->	047GW00304	047GW00402	047GW00403	047GW00404	047GW00502	047GW00503
SAMPLE DATE ----->	06/10/96	01/25/96	05/13/96	06/10/96	01/24/96	05/13/96
DATE EXTRACTED -->	06/14/96	01/31/96	05/21/96	06/14/96	01/31/96	05/21/96
DATE ANALYZED --->	06/15/96	02/01/96	05/23/96	06/15/96	02/01/96	05/23/96
MATRIX ---------->	Water	Water	Water	Water	Water	Water
UNITS ---------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	25931	VAL	24561	VAL	25568	VAL	25931	VAL	24561	VAL	25568	VAL
57-12-5	Cyanide (CN)	2.	U	2.	U	2.	U	2.	U	2.	U	2.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

CYANIDE													
	SAMPLE ID ------>	047-G-W005-04		047-G-W006-02		047-H-W006-02		047-G-W006-03		047-H-W006-03		047-G-W006-04	
	ORIGINAL ID ----->	047GW00504		047GW00602		047HW00602		047GW00603		047HW00603		047GW00604	
	LAB SAMPLE ID --->	25951.04		24578.02		24579.01		25606.03		25607.01		25985.04	
	ID FROM REPORT -->	047GW00504		047GW00602		047HW00602		047GW00603		047HW00603		047GW00604	
	SAMPLE DATE ----->	06/10/96		01/24/96		01/24/96		05/14/96		05/14/96		06/11/96	
	DATE EXTRACTED -->	06/14/96		01/31/96		01/30/96		05/21/96		05/21/96		06/18/96	
	DATE ANALYZED --->	06/15/96		02/01/96		01/30/96		05/23/96		05/23/96		06/21/96	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ----------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	25931	VAL	24561	VAL	24561	VAL	25568	VAL	25568	VAL	25931	VAL
57-12-5	Cyanide (CN)	2.	U	2.	U	2.	U	2.7	J	2.	U	2.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

CYANIDE						
SAMPLE ID ------->	047-G-W007-02	047-G-W007-03	047-G-W007-04	047-G-W008-02	047-G-W008-03	047-G-W008-04
ORIGINAL ID ----->	047GW00702	047GW00703	047GW00704	047GW00802	047GW00803	047GW00804
LAB SAMPLE ID --->	24583.08	25606.04	25985.05	24583.07	25625.01	25997.04
ID FROM REPORT -->	047GW00702	047GW00703	047GW00704	047GW00802	047GW00803	047GW00804
SAMPLE DATE ----->	01/25/96	05/14/96	06/11/96	01/25/96	05/15/96	06/12/96
DATE EXTRACTED -->	01/31/96	05/21/96	06/18/96	01/31/96	05/28/96	06/18/96
DATE ANALYZED --->	02/01/96	05/23/96	06/21/96	02/01/96	05/28/96	06/21/96
MATRIX ---------->	Water	Water	Water	Water	Water	Water
UNITS ----------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	24561	VAL	25568	VAL	25931	VAL	24561	VAL	25568	VAL	25997	VAL
57-12-5	Cyanide (CN)	2.	U	2.	U	2.	U	2.	U	2.	U	2.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

CYANIDE												
	SAMPLE ID ------->| 047-G-W009-02		047-G-W009-03		047-G-W009-04		047-G-W010-02		047-G-W010-03		047-G-W010-04	
	ORIGINAL ID ----->| 047GW00902		047GW00903		047GW00904		047GW01002		047GW01003		047GW01004	
	LAB SAMPLE ID --->| 24593.01		25625.02		25997.05		24583.10		25606.01		25997.06	
	ID FROM REPORT -->| 047GW00902		047GW00903		047GW00904		047GW01002		047GW01003		047GW01004	
	SAMPLE DATE ----->| 01/26/96		05/15/96		06/12/96		01/25/96		05/14/96		06/12/96	
	DATE EXTRACTED -->| 02/01/96		05/28/96		06/18/96		01/31/96		05/21/96		06/18/96	
	DATE ANALYZED --->| 02/02/96		05/28/96		06/21/96		02/01/96		05/23/96		06/21/96	
	MATRIX ---------->| Water		Water		Water		Water		Water		Water	
	UNITS ----------->| UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	24593	VAL	25568	VAL	25997	VAL	24561	VAL	25568	VAL	25997	VAL
57-12-5	Cyanide (CN)	3.9	J	2.	U	2.	U	2.	U	2.	U	2.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

CYANIDE												
	SAMPLE ID ------->	047-G-W011-02		047-G-W011-03		047-G-W011-04		047-G-W012-02		047-G-W012-03		047-G-W012-04
	ORIGINAL ID ----->	047GW01102		047GW01103		047GW01104		047GW01202		047GW01203		047GW01204
	LAB SAMPLE ID --->	24561.01		25606.02		26016.03		24561.02		25558.05		26016.04
	ID FROM REPORT -->	047GW01102		047GW01103		047GW01104		047GW01202		047GW01203		047GW01204
	SAMPLE DATE ----->	01/23/96		05/14/96		06/13/96		01/23/96		05/09/96		06/13/96
	DATE EXTRACTED -->	01/30/96		05/21/96		06/17/96		01/30/96		05/14/96		06/17/96
	DATE ANALYZED --->	01/30/96		05/23/96		06/21/96		01/30/96		05/18/96		06/21/96
	MATRIX ---------->	Water		Water		Water		Water		Water		Water
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L
CAS #	Parameter	24561	VAL	25568	VAL	25997	VAL	24561	VAL	25504	VAL	25997	VAL
57-12-5	Cyanide (CN)	2.	U	2.	U	2.	U	2.	U	2.	U	2.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

CYANIDE													
	SAMPLE ID ------>	047-G-W013-02		047-G-W013-03		047-G-W013-04		047-G-W015-02		047-G-W015-03		047-G-W015-04	
	ORIGINAL ID ----->	047GW01302		047GW01303		047GW01304		047GW01502		047GW01503		047GW01504	
	LAB SAMPLE ID --->	24578.03		25568.04		26028.01		24583.02		25568.05		26028.02	
	ID FROM REPORT -->	047GW01302		047GW01303		047GW01304		047GW01502		047GW01503		047GW01504	
	SAMPLE DATE ----->	01/24/96		05/10/96		06/14/96		01/25/96		05/10/96		06/14/96	
	DATE EXTRACTED -->	01/31/96		05/14/96		06/17/96		01/31/96		05/14/96		06/17/96	
	DATE ANALYZED --->	02/01/96		05/18/96		06/21/96		02/01/96		05/18/96		06/21/96	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ----------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	24561	VAL	25568	VAL	25997	VAL	24561	VAL	25568	VAL	25997	VAL
57-12-5	Cyanide (CN)	2.	U	2.	U	2.	U	2.	U	2.3	J	2.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

CYANIDE												
	SAMPLE ID ------->	510-G-W001-02		510-G-W001-03		510-G-W001-04		510-G-W002-02		510-G-W002-03		510-G-W002-04	
	ORIGINAL ID ----->	510GW00102		510GW00103		510GW00104		510GW00202		510GW00203		510GW00204	
	LAB SAMPLE ID --->	24536.03		25568.03		26028.03		24536.04		25568.02		26028.04	
	ID FROM REPORT -->	510GW00102		510GW00103		510GW00104		510GW00202		510GW00203		510GW00204	
	SAMPLE DATE ----->	01/19/96		05/10/96		06/14/96		01/19/96		05/10/96		06/14/96	
	DATE EXTRACTED -->	01/25/96		05/14/96		06/17/96		01/25/96		05/14/96		06/17/96	
	DATE ANALYZED --->	01/25/96		05/18/96		06/21/96		01/25/96		05/18/96		06/21/96	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	24514	VAL	25568	VAL	25997	VAL	24514	VAL	25568	VAL	25997	VAL
57-12-5	Cyanide (CN)	2.	U	2.	U	2.8	J	2.	U	2.	U	2.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

CYANIDE													
	SAMPLE ID ------->	523-G-W001-02		523-G-W001-03		523-G-W001-04		523-G-W002-02		523-G-W002-03		523-G-W002-04	
	ORIGINAL ID ----->	523GW00102		523GW00103		523GW00104		523GW00202		523GW00203		523GW00204	
	LAB SAMPLE ID --->	24543.03		25597.01		26046.01		24543.04		25597.02		26046.02	
	ID FROM REPORT -->	523GW00102		523GW00103		523GW00104		523GW00202		523GW00203		523GW00204	
	SAMPLE DATE ----->	01/22/96		05/13/96		06/17/96		01/22/96		05/13/96		06/17/96	
	DATE EXTRACTED -->	01/25/96		05/21/96		06/20/96		01/25/96		05/21/96		06/20/96	
	DATE ANALYZED --->	01/25/96		05/23/96		06/20/96		01/25/96		05/23/96		06/20/96	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ----------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	24514	VAL	25568	VAL	25997	VAL	24514	VAL	25568	VAL	25997	VAL
57-12-5	Cyanide (CN)	2.	U	2.	U	2.	U	2.	U	3.5	J	2.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

CYANIDE													
	SAMPLE ID ------->	GDC-G-W001-02		GDC-H-W001-02		GDC-G-W001-03		GDC-H-W001-03		GDC-G-W001-04		GDC-H-W001-04	
	ORIGINAL ID ----->	GDCGW00102		GDCHW00102		GDCGW00103		GDCHW00103		GDCGW00104		GDCHW00104	
	LAB SAMPLE ID --->	24543.01		24544.01		25504.03		25505.01		25997.01		25998.01	
	ID FROM REPORT -->	GDCGW00102		GDCHW00102		GDCGW00103		GDCHW00103		GDCGW00104		GDCHW00104	
	SAMPLE DATE ----->	01/22/96		01/22/96		05/06/96		05/06/96		06/12/96		06/12/96	
	DATE EXTRACTED -->	01/25/96		01/25/96		05/10/96		05/10/96		06/18/96		06/18/96	
	DATE ANALYZED --->	01/25/96		01/25/96		05/18/96		05/18/96		06/21/96		06/21/96	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ----------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	24514	VAL	24514	VAL	25504	VAL	25504	VAL	25997	VAL	25997	VAL
57-12-5	Cyanide (CN)	2.	U	2.	U	2.	U	2.	U	2.	U	2.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

CYANIDE													
	SAMPLE ID ------>	GDC-G-W002-02		GDC-G-W002-03		GDC-G-W002-04		GDC-G-W01D-02		GDC-G-W01D-03		GDC-G-W01D-04	
	ORIGINAL ID ----->	GDCGW00202		GDCGW00203		GDCGW00204		GDCGW01D02		GDCGW01D03		GDCGW01D04	
	LAB SAMPLE ID --->	24536.01		25513.03		26016.01		24543.02		25504.04		25997.02	
	ID FROM REPORT -->	GDCGW00202		GDCGW00203		GDCGW00204		GDCGW01D02		GDCGW01D03		GDCGW01D04	
	SAMPLE DATE ----->	01/19/96		05/07/96		06/13/96		01/22/96		05/06/96		06/12/96	
	DATE EXTRACTED -->	01/25/96		05/10/96		06/17/96		01/25/96		05/10/96		06/18/96	
	DATE ANALYZED --->	01/25/96		05/18/96		06/21/96		01/25/96		05/18/96		06/21/96	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	24514	VAL	25504	VAL	25997	VAL	24514	VAL	25504	VAL	25997	VAL
57-12-5	Cyanide (CN)	2.	U	2.9	U	2.	U	2.	U	2.	U	2.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

CYANIDE									
	SAMPLE ID ------>	GDC-G-W02D-02		GDC-G-W02D-03		GDC-G-W02D-04			
	ORIGINAL ID ----->	GDCGW02D02		GDCGW02D03		GDCGW02D04			
	LAB SAMPLE ID --->	24536.02		25513.04		26016.02			
	ID FROM REPORT -->	GDCGW02D02		GDCGW02D03		GDCGW02D04			
	SAMPLE DATE ----->	01/19/96		05/07/96		06/13/96			
	DATE EXTRACTED -->	01/25/96		05/10/96		06/17/96			
	DATE ANALYZED --->	01/25/96		05/18/96		06/21/96			
	MATRIX ---------->	Water		Water		Water			
	UNITS ----------->	UG/L		UG/L		UG/L			
CAS #	Parameter	24514	VAL	25504	VAL	25997	VAL		
57-12-5	Cyanide (CN)	2.	U	2.	U	2.	U		

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SULFATE												
	SAMPLE ID ------>	044-G-W001-02		044-G-W001-03		044-G-W001-04		044-G-W002-02		044-G-W002-03		044-G-W002-04
	ORIGINAL ID ----->	044GW00102		044GW00103		044GW00104		044GW00202		044GW00203		044GW00204
	LAB SAMPLE ID --->	24527.01		25504.01		25985.03		24527.02		25513.01		25931.01
	ID FROM REPORT -->	044GW00102		044GW00103		044GW00104		044GW00202		044GW00203		044GW00204
	SAMPLE DATE ----->	01/18/96		05/06/96		06/11/96		01/18/96		05/07/96		06/07/96
	DATE ANALYZED --->	01/19/96		05/10/96		06/24/96		01/19/96		05/10/96		06/13/96
	MATRIX ---------->	Water		Water		Water		Water		Water		Water
	UNITS ---------->	MG/L		MG/L		MG/L		MG/L		MG/L		MG/L
CAS #	Parameter	24514	VAL	25504	VAL	25931	VAL	24514	VAL	25504	VAL	25931	VAL
14808-79-8	Sulfate	2480.		2730.		2950.		879.		777.		778.	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SULFATE												
	SAMPLE ID ------>	044-G-W003-02		044-G-W003-03		044-G-W003-04		044-G-W004-02		044-H-W004-02		044-G-W004-03
	ORIGINAL ID ----->	044GW00302		044GW00303		044GW00304		044GW00402		044HW00402		044GW00403
	LAB SAMPLE ID --->	24514.03		25504.02		25931.02		24514.01		24514.02		25513.02
	ID FROM REPORT -->	044GW00302		044GW00303		044GW00304		044GW00402		044HW00402		044GW00403
	SAMPLE DATE ----->	01/17/96		05/06/96		06/07/96		01/17/96		01/17/96		05/07/96
	DATE ANALYZED --->	01/19/96		05/10/96		06/13/96		01/23/96		01/23/96		05/10/96
	MATRIX ---------->	Water		Water		Water		Water		Water		Water
	UNITS ---------->	MG/L		MG/L		MG/L		MG/L		MG/L		MG/L
CAS #	Parameter	24514	VAL	25504	VAL	25931	VAL	24514	VAL	24514	VAL	25504	VAL
14808-79-8	Sulfate	1140.		1240.		1220.		607.		611.		499.	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SULFATE													
	SAMPLE ID ------>	044-H-W004-03		044-G-W004-04		044-H-W004-04		044-G-W005-02		044-G-W005-03		044-G-W005-04	
	ORIGINAL ID ----->	044HW00403		044GW00404		044HW00404		044GW00502		044GW00503		044GW00504	
	LAB SAMPLE ID --->	25514.01		25931.03		25932.01		24514.04		25558.01		25951.01	
	ID FROM REPORT -->	044HW00403		044GW00404		044HW00404		044GW00502		044GW00503		044GW00504	
	SAMPLE DATE ----->	05/07/96		06/07/96		06/07/96		01/17/96		05/09/96		06/10/96	
	DATE ANALYZED --->	05/10/96		06/13/96		06/13/96		01/23/96		05/12/96		06/12/96	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	MG/L		MG/L		MG/L		MG/L		MG/L		MG/L	
CAS #	Parameter	25504	VAL	25931	VAL	25931	VAL	24514	VAL	25504	VAL	25931	VAL
14808-79-8	Sulfate	495.		488.		477.		381.		232.		14.4	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SULFATE												
	SAMPLE ID ------>	044-G-W006-02		044-G-W006-03		044-G-W006-04		044-G-W007-02		044-G-W007-03		044-G-W007-04	
	ORIGINAL ID ----->	044GW00602		044GW00603		044GW00604		044GW00702		044GW00703		044GW00704	
	LAB SAMPLE ID --->	24514.05		25533.01		25985.01		24527.04		25568.01		25985.02	
	ID FROM REPORT -->	044GW00602		044GW00603		044GW00604		044GW00702		044GW00703		044GW00704	
	SAMPLE DATE ----->	01/17/96		05/08/96		06/11/96		01/18/96		05/10/96		06/11/96	
	DATE ANALYZED --->	01/23/96		05/11/96		06/18/96		01/23/96		05/11/96		06/17/96	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ----------->	MG/L		MG/L		MG/L		MG/L		MG/L		MG/L	
CAS #	Parameter	24514	VAL	25504	VAL	25931	VAL	24514	VAL	25568	VAL	25931	VAL
14808-79-8	Sulfate	1640.		1370.		380.		20.2		25.1		15.8	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SULFATE													
	SAMPLE ID ------->	044-G-W008-02		044-G-W008-03		044-G-W008-04		GDC-G-W001-02		GDC-H-W001-02		GDC-G-W001-03	
	ORIGINAL ID ----->	044GW00802		044GW00803		044GW00804		GDCGW00102		GDCHW00102		GDCGW00103	
	LAB SAMPLE ID --->	24527.03		25533.02		25997.03		24543.01		24544.01		25504.03	
	ID FROM REPORT -->	044GW00802		044GW00803		044GW00804		GDCGW00102		GDCHW00102		GDCGW00103	
	SAMPLE DATE ----->	01/18/96		05/08/96		06/12/96		01/22/96		01/22/96		05/06/96	
	DATE ANALYZED --->	01/23/96		05/11/96		06/17/96		01/23/96		01/23/96		05/09/96	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ----------->	MG/L		MG/L		MG/L		MG/L		MG/L		MG/L	
CAS #	Parameter	24514	VAL	25504	VAL	25997	VAL	24514	VAL	24514	VAL	25504	VAL
14808-79-8	Sulfate	139.		239.		41.		10.5		11.		13.2	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SULFATE													
	SAMPLE ID ------>	GDC-H-W001-03		GDC-G-W001-04		GDC-H-W001-04		GDC-G-W002-02		GDC-G-W002-03		GDC-G-W002-04	
	ORIGINAL ID ----->	GDCHW00103		GDCGW00104		GDCHW00104		GDCGW00202		GDCGW00203		GDCGW00204	
	LAB SAMPLE ID --->	25505.01		25997.01		25998.01		24536.01		25513.03		26016.01	
	ID FROM REPORT -->	GDCHW00103		GDCGW00104		GDCHW00104		GDCGW00202		GDCGW00203		GDCGW00204	
	SAMPLE DATE ----->	05/06/96		06/12/96		06/12/96		01/19/96		05/07/96		06/13/96	
	DATE ANALYZED --->	05/09/96		06/17/96		06/18/96		01/23/96		05/09/96		06/18/96	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	MG/L		MG/L		MG/L		MG/L		MG/L		MG/L	
CAS #	Parameter	25504	VAL	25997	VAL	25997	VAL	24514	VAL	25504	VAL	25997	VAL
14808-79-8	Sulfate	12.1	U	11.5		11.6		56.1		68.1		49.3	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SULFATE	SAMPLE ID ------->	GDC-G-W01D-02	GDC-G-W01D-03	GDC-G-W01D-04	GDC-G-W02D-02	GDC-G-W02D-03	GDC-G-W02D-04
	ORIGINAL ID ----->	GDCGW01D02	GDCGW01D03	GDCGW01D04	GDCGW02D02	GDCGW02D03	GDCGW02D04
	LAB SAMPLE ID --->	24543.02	25504.04	25997.02	24536.02	25513.04	26016.02
	ID FROM REPORT -->	GDCGW01D02	GDCGW01D03	GDCGW01D04	GDCGW02D02	GDCGW02D03	GDCGW02D04
	SAMPLE DATE ----->	01/22/96	05/06/96	06/12/96	01/19/96	05/07/96	06/13/96
	DATE ANALYZED --->	01/23/96	05/09/96	06/17/96	01/23/96	05/09/96	06/18/96
	MATRIX ---------->	Water	Water	Water	Water	Water	Water
	UNITS ---------->	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L

CAS #	Parameter	24514	VAL	25504	VAL	25997	VAL	24514	VAL	25504	VAL	25997	VAL
14808-79-8	Sulfate	30.8		37.1		39.9		21.8		19.6	U	20.1	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-DIOX													
	SAMPLE ID ------>	044-G-W004-02		044-H-W004-02		044-G-W004-03		044-H-W004-03		044-G-W004-04		044-H-W004-04	
	ORIGINAL ID ----->	044GW00402		044HW00402		044GW00403		044HW00403		044GW00404		044HW00404	
	LAB SAMPLE ID --->	24527.05		24528.01		25513.02		25514.01		25931.03		25932.01	
	ID FROM REPORT -->	044GW00402		044HW00402		044GW00403		044HW00403		044GW00404		044HW00404	
	SAMPLE DATE ----->	01/18/96		01/18/96		05/07/96		05/07/96		06/07/96		06/07/96	
	DATE EXTRACTED -->	01/22/96		01/22/96		05/10/96		05/10/96		06/10/96		06/10/96	
	DATE ANALYZED --->	01/24/96		01/24/96		05/14/96		05/14/96		06/13/96		06/13/96	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	PG/L		PG/L		PG/L		PG/L		PG/L		PG/L	
CAS #	Parameter	24514	VAL	24514	VAL	25504	VAL	25504	VAL	25931	VAL	25931	VAL
1746-01-6	2378-TCDD	34.7	R	6.23	U	7.53	U	15.4	U	11.2	U	8.02	U
40321-76-4	12378-PeCDD	75.	R	4.85	U	10.2	U	13.6	U	8.7	U	7.28	U
39227-28-6	123478-HxCDD	5.68	R	4.66	U	8.28	U	14.4	U	11.7	U	10.9	U
57653-85-7	123678-HxCDD	64.3	R	4.62	U	4.94	U	8.59	U	7.32	U	6.08	U
19408-74-3	123789-HxCDD	5.29	R	4.33	U	6.01	U	10.5	U	8.5	U	7.89	U
35822-46-9	1234678-HpCDD	70.	R	5.12	U	5.83	U	14.6	U	6.21	U	6.98	U
3268-87-9	OCDD	172.	R	40.1	EMPC	99.7		77.7		46.8	EMPC	69.9	
51207-31-9	2378-TCDF	17.7	R	2.38	U	3.74	U	5.65	U	4.18	U	3.68	U
57117-41-6	12378-PeCDF	58.1	R	2.47	U	4.72	U	8.91	U	4.81	U	3.99	U
57117-31-4	23478-PeCDF	4.45	R	2.62	U	4.81	U	9.08	U	4.83	U	4.01	U
70648-26-9	123478-HxCDF	3.04	R	2.24	U	2.82	U	5.47	U	4.48	U	4.75	U
57117-44-9	123678-HxCDF	74.3	R	2.08	U	1.7	U	3.29	U	2.86	U	3.04	U
72918-21-9	123789-HxCDF	3.86	R	2.84	U	2.97	U	5.77	U	4.41	U	4.68	U
60851-34-5	234678-HxCDF	3.29	R	2.43	U	2.63	U	5.1	U	4.3	U	4.56	U
67562-39-4	1234678-HpCDF	222.	R	11.7	EMPC	3.09	U	5.62	U	6.8	EMPC	3.94	U
55673-89-7	1234789-HpCDF	5.8	R	5.84	U	4.3	U	7.83	U	6.06	U	4.74	U
39001-02-0	OCDF	508.	R	19.6	EMPC	5.22	U	9.16	U	6.36		4.37	U
41903-57-5	Total Tetra-Dioxins	34.7	R	6.23	U	7.53	U	15.4	U	11.2	U	8.02	U
36088-22-9	Total Penta-Dioxins	75.	R	4.85	U	10.2	U	13.6	U	8.7	U	7.28	U
34465-46-8	Total Hexa-Dioxins	5.63	R	4.62	U	4.94	U	8.59	U	7.32	U	6.8	U
37871-00-4	Total Hepta-Dioxins	5.61	R	5.12	U	5.83	U	14.6	U	6.21	U	6.98	U
55722-27-5	Total Tetra-Furans	3.29	R	2.38	U	3.74	U	5.65	U	4.18	U	3.68	U
30602-15-4	Total Penta-Furans	58.1	R	2.62	U	4.81	U	9.08	U	4.83	U	4.01	U
55684-94-1	Total Hexa-Furans	74.3	R	2.08	U	1.7	U	3.29	U	2.86	U	3.04	U
38998-75-3	Total Hepta-Furans	222.	R	4.38	U	3.09	U	5.62	U	5.04	U	3.94	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-DIOX													
	SAMPLE ID ------->	047-G-W015-02		047-G-W015-03		047-G-W015-04		GDC-G-W001-02		GDC-H-W001-02		GDC-G-W001-03	
	ORIGINAL ID ----->	047GW01502		047GW01503		047GW01504		GDCGW00102		GDCHW00102		GDCGW00103	
	LAB SAMPLE ID --->	24583.02		25568.05		26028.02		24543.01		24544.01		25504.03	
	ID FROM REPORT -->	047GW01502		047GW01503		047GW01504		GDCGW00102		GDCHW00102		GDCGW00103	
	SAMPLE DATE ----->	01/25/96		05/10/96		06/14/96		01/22/96		01/22/96		05/06/96	
	DATE EXTRACTED -->	02/01/96		05/13/96		06/19/96		01/30/96		01/30/96		05/16/96	
	DATE ANALYZED --->	02/13/96		05/17/96		06/25/96		02/01/96		02/01/96		05/19/96	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ----------->	PG/L		PG/L		PG/L		PG/L		PG/L		PG/L	
CAS #	Parameter	24561	VAL	25568	VAL	25997	VAL	24514	VAL	24514	VAL	25504	VAL
1746-01-6	2378-TCDD	21.2	U	5.58	U	6.5	U	4.68	U	6.44	U	13.3	U
40321-76-4	12378-PeCDD	16.2	U	9.68	U	4.21	U	19.4	U	25.6	U	15.2	U
39227-28-6	123478-HxCDD	17.4	U	19.2	U	4.8	U	8.47	U	8.73	U	29.5	U
57653-85-7	123678-HxCDD	10.9	U	11.4	U	3.01	U	5.3	U	5.47	U	17.6	U
19408-74-3	123789-HxCDD	12.6	U	13.9	U	3.49	U	6.16	U	6.34	U	21.4	U
35822-46-9	1234678-HpCDD	7.26	U	8.39	U	23.9	EMPC	2.05	U	5.1	U	20.4	U
3268-87-9	OCDD	21.9		11.4	U	131.	EMPC	6.81	EMPC	9.98	EMPC	19.1	U
51207-31-9	2378-TCDF	168.	EMPC	5.63	U	2.94	U	36.2	EMPC	4.76	U	7.5	U
57117-41-6	12378-PeCDF	12.3	U	8.34	U	2.85	U	9.4	U	5.85	U	11.1	U
57117-31-4	23478-PeCDF	53.3	EMPC	8.49	U	2.86	U	9.45	U	5.88	U	11.3	U
70648-26-9	123478-HxCDF	154.		8.36	U	2.53	U	6.56	U	4.76	U	9.49	U
57117-44-9	123678-HxCDF	6.58	U	5.03	U	1.62	U	4.19	U	3.04	U	5.71	U
72918-21-9	123789-HxCDF	10.1	U	8.82	U	2.49	U	6.46	U	4.69	U	10.	U
60851-34-5	234678-HxCDF	9.89	U	7.8	U	2.43	U	6.3	U	4.57	U	8.85	U
67562-39-4	1234678-HpCDF	29.7	EMPC	7.72	U	9.36	EMPC	2.88	U	4.16	U	9.11	U
55673-89-7	1234789-HpCDF	6.5	U	10.8	U	4.11	U	3.46	U	5.	U	12.7	U
39001-02-0	OCDF	13.		9.07	U	7.76	EMPC	2.39	U	2.32	U	12.8	U
41903-57-5	Total Tetra-Dioxins	21.2	U	5.58	U	6.5	U	4.68	U	6.44	U	13.3	U
36088-22-9	Total Penta-Dioxins	16.2	U	9.68	U	4.21	U	19.4	U	25.7	U	15.2	U
34465-46-8	Total Hexa-Dioxins	10.9	U	11.4	U	3.01	U	5.3	U	5.47	U	17.6	U
37871-00-4	Total Hepta-Dioxins	7.26	U	8.39	U	43.9	EMPC	2.05	U	5.1	U	20.4	U
55722-27-5	Total Tetra-Furans	360.		5.63	U	2.94	U	36.2	EMPC	4.76	U	7.5	U
30602-15-4	Total Penta-Furans	302.		8.49	U	2.86	U	9.45	U	5.88	U	11.3	U
55684-94-1	Total Hexa-Furans	154.		5.03	U	1.62	U	4.19	U	3.04	U	5.71	U
38998-75-3	Total Hepta-Furans	5.4	U	7.72	U	3.42	U	2.88	U	4.16	U	9.11	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-DIOX	SAMPLE ID ------->	GDC-H-W001-03	GDC-G-W001-04	GDC-H-W001-04	GDC-G-W002-02	GDC-G-W002-03	GDC-G-W002-04
	ORIGINAL ID ----->	GDCHW00103	GDCGW00104	GDCHW00104	GDCGW00202	GDCGW00203	GDCGW00204
	LAB SAMPLE ID --->	25505.01	25997.01	25998.01	24536.01	25513.03	26016.01
	ID FROM REPORT -->	GDCHW00103	GDCGW00104	GDCHW00104	GDCGW00202	GDCGW00203	GDCGW00204
	SAMPLE DATE ----->	05/06/96	06/12/96	06/12/96	01/19/96	05/07/96	06/13/96
	DATE EXTRACTED -->	05/08/96	06/19/96	06/19/96	01/22/96	05/10/96	06/19/96
	DATE ANALYZED --->	05/13/96	06/25/96	06/25/96	01/24/96	05/14/96	06/25/96
	MATRIX ---------->	Water	Water	Water	Water	Water	Water
	UNITS ----------->	PG/L	PG/L	PG/L	PG/L	PG/L	PG/L

CAS #	Parameter	25504	VAL	25997	VAL	25997	VAL	24514	VAL	25504	VAL	25997	VAL
1746-01-6	2378-TCDD	4.81	U	6.75	U	4.93	U	5.94	U	10.1	U	8.41	U
40321-76-4	12378-PeCDD	6.74	U	5.82	U	3.89	U	5.88	U	9.31	U	5.31	U
39227-28-6	123478-HxCDD	6.91	U	8.12	U	4.34	U	4.95	U	7.44	U	8.88	U
57653-85-7	123678-HxCDD	4.12	U	5.09	U	2.72	U	4.9	U	4.43	U	5.56	U
19408-74-3	123789-HxCDD	5.01	U	5.91	U	3.16	U	4.61	U	5.4	U	6.45	U
35822-46-9	1234678-HpCDD	4.71	U	11.6	EMPC	16.8	EMPC	5.88	U	4.92	U	25.8	EMPC
3268-87-9	OCDD	4.88	U	57.4	EMPC	60.7	EMPC	12.6	EMPC	6.54	U	102.	EMPC
51207-31-9	2378-TCDF	3.38	U	3.7	U	3.4	U	2.72	U	3.56	U	3.51	U
57117-41-6	12378-PeCDF	2.84	U	3.	U	2.64	U	3.58	U	4.13	U	4.16	U
57117-31-4	23478-PeCDF	2.89	U	3.02	U	2.65	U	3.79	U	4.21	U	4.18	U
70648-26-9	123478-HxCDF	2.19	U	3.67	U	2.43	U	3.71	U	3.27	U	5.66	U
57117-44-9	123678-HxCDF	1.32	U	2.35	U	1.55	U	3.45	U	1.36	U	3.62	U
72918-21-9	123789-HxCDF	2.32	U	3.62	U	2.39	U	4.71	U	2.39	U	5.58	U
60851-34-5	234678-HxCDF	2.05	U	3.53	U	2.33	U	4.02	U	2.11	U	5.44	U
67562-39-4	1234678-HpCDF	2.87	U	13.	U	15.2	EMPC	5.78	U	2.27	U	18.8	EMPC
55673-89-7	1234789-HpCDF	4.	U	15.6	U	3.57	U	7.7	U	4.56	U	8.67	U
39001-02-0	OCDF	4.09	U	11.6	U	8.74	EMPC	4.31	U	5.4	U	14.5	EMPC
41903-57-5	Total Tetra-Dioxins	4.81	U	6.75	U	4.93	U	5.95	U	10.1	U	8.41	U
36088-22-9	Total Penta-Dioxins	6.74	U	5.82	U	3.89	U	5.88	U	9.31	U	5.31	U
34465-46-8	Total Hexa-Dioxins	4.12	U	5.09	U	2.72	U	4.9	U	4.43	U	5.56	U
37871-00-4	Total Hepta-Dioxins	4.71	U	16.1	EMPC	16.8	EMPC	5.88	U	4.92	U	25.3	EMPC
55722-27-5	Total Tetra-Furans	3.38	U	3.7	U	3.4	U	2.72	U	3.56	U	3.51	U
30602-15-4	Total Penta-Furans	2.89	U	3.02	U	2.65	U	3.79	U	4.21	U	4.18	U
55684-94-1	Total Hexa-Furans	1.32	U	2.35	U	1.55	U	3.45	U	1.36	U	3.62	U
38998-75-3	Total Hepta-Furans	2.87	U	13.	U	2.97	U	5.78	U	3.27	U	7.21	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-DIOX												
	SAMPLE ID ------>	GDC-G-W01D-02		GDC-G-W01D-03		GDC-G-W01D-04		GDC-G-W02D-02		GDC-G-W02D-03		GDC-G-W02D-04	
	ORIGINAL ID ----->	GDCGW01D02		GDCGW01D03		GDCGW01D04		GDCGW02D02		GDCGW02D03		GDCGW02D04	
	LAB SAMPLE ID --->	24543.02		25504.04		25997.02		24536.02		25513.04		26016.02	
	ID FROM REPORT -->	GDCGW01D02		GDCGW01D03		GDCGW01D04		GDCGW02D02		GDCGW02D03		GDCGW02D04	
	SAMPLE DATE ----->	01/22/96		05/06/96		06/12/96		01/19/96		05/07/96		06/13/96	
	DATE EXTRACTED -->	01/30/96		05/08/96		06/19/96		01/22/96		05/10/96		06/19/96	
	DATE ANALYZED --->	02/01/96		05/13/96		06/25/96		01/24/96		05/14/96		06/25/96	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ----------->	PG/L		PG/L		PG/L		PG/L		PG/L		PG/L	
CAS #	Parameter	24514	VAL	25504	VAL	25997	VAL	24514	VAL	25504	VAL	25997	VAL
1746-01-6	2378-TCDD	4.51	U	5.06	U	8.48	U	6.5	U	9.94	U	7.93	U
40321-76-4	12378-PeCDD	14.1	U	6.	U	6.52	U	7.39	U	10.9	U	6.63	U
39227-28-6	123478-HxCDD	7.17	U	7.44	U	5.76	U	5.36	U	8.57	U	7.65	U
57653-85-7	123678-HxCDD	4.49	U	4.44	U	3.61	U	5.32	U	5.11	U	4.79	U
19408-74-3	123789-HxCDD	5.21	U	5.4	U	4.19	U	4.99	U	6.22	U	5.56	U
35822-46-9	1234678-HpCDD	2.26	U	6.85	U	18.7	EMPC	5.83	U	4.84	U	28.9	EMPC
3268-87-9	OCDD	4.62	EMPC	5.01	U	98.7	EMPC	5.77	U	5.91	U	129.	EMPC
51207-31-9	2378-TCDF	2.87	U	2.55	U	4.31	U	2.5	U	4.2	U	4.36	U
57117-41-6	12378-PeCDF	5.61	U	3.96	U	3.84	U	3.35	U	6.02	U	4.65	U
57117-31-4	23478-PeCDF	5.64	U	4.04	U	3.86	U	3.55	U	6.14	U	4.67	U
70648-26-9	123478-HxCDF	4.72	U	2.6	U	2.93	U	2.6	U	4.41	U	3.64	U
57117-44-9	123678-HxCDF	3.02	U	1.57	U	1.87	U	2.41	U	2.65	U	2.33	U
72918-21-9	123789-HxCDF	4.66	U	2.75	U	2.89	U	3.3	U	4.65	U	3.5	U
60851-34-5	234678-HxCDF	4.54	U	2.43	U	2.81	U	2.82	U	4.11	U	3.5	
67562-39-4	1234678-HpCDF	1.9	U	2.81	U	7.32	EMPC	3.49	U	4.41	U	15.5	
55673-89-7	1234789-HpCDF	2.28	U	3.92	U	4.54	U	4.66	U	6.14	U	14.7	U
39001-02-0	OCDF	2.27	U	4.39	U	5.36	EMPC	5.08	U	7.86	U	10.3	EMPC
41903-57-5	Total Tetra-Dioxins	4.51	U	5.06	U	8.48	U	6.5	U	9.94	U	7.93	U
36088-22-9	Total Penta-Dioxins	14.1	U	6.	U	6.52	U	7.39	U	10.9	U	6.63	U
34465-46-8	Total Hexa-Dioxins	4.49	U	4.44	U	3.61	U	5.32	U	5.11	U	4.79	U
37871-00-4	Total Hepta-Dioxins	2.26	U	6.85	U	14.3	EMPC	5.83	U	4.84	U	56.1	EMPC
55722-27-5	Total Tetra-Furans	2.87	U	2.55	U	4.31	U	2.5	U	4.2	U	4.36	U
30602-15-4	Total Penta-Furans	5.64	U	4.04	U	3.86	U	3.55	U	6.14	U	4.68	U
55684-94-1	Total Hexa-Furans	3.02	U	1.57	U	1.87	U	2.41	U	2.65	U	2.33	U
38998-75-3	Total Hepta-Furans	1.9	U	2.81	U	3.78	U	3.49	U	4.41	U	15.5	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-META		044-G-W001-02		044-G-W001-03		044-G-W001-04		044-G-W001-05		044-G-W002-02		044-G-W002-03	
	ORIGINAL ID ----->	044GW00102		044GW00103		044GW00104		044GW00105		044GW00202		044GW00203	
	LAB SAMPLE ID --->	24527.01		25504.01		25985.03		30339.05		24527.02		25513.01	
	ID FROM REPORT -->	044GW00102		044GW00103		044GW00104		044GW00105		044GW00202		044GW00203	
	SAMPLE DATE ----->	01/18/96		05/06/96		06/11/96		07/28/97		01/18/96		05/07/96	
	DATE EXTRACTED -->	01/22/96		05/16/96		06/30/96		08/08/97		01/22/96		05/16/96	
	DATE ANALYZED --->	01/25/96		05/30/96		07/03/96		08/15/97		01/25/96		05/30/96	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ----------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	24514	VAL	25504	VAL	25931	VAL	30257	VAL	24514	VAL	25504	VAL
7429-90-5	Aluminum (Al)	50900.		39600.		53600.		20400.		32.8	J	120.	U
7440-36-0	Antimony (Sb)	11.1	U	49.1	U	2.1	U	2.1	B	2.1	U	13.	U
7440-38-2	Arsenic (As)	2.5	UJ	2.5	UJ	2.5	UJ	6.6	B	6.	J	3.9	J
7440-39-3	Barium (Ba)	7.	J	3.9	U	0.3	UJ	5.	B	46.3		40.6	U
7440-41-7	Beryllium (Be)	20.8		19.8		32.9		17.5		0.46	J	0.3	U
7440-43-9	Cadmium (Cd)	3.5	J	0.5	U	0.5	U	0.3	U	0.5	U	0.5	U
7440-70-2	Calcium (Ca)	432000.	J	471000.		446000.	J	552000.		348000.	J	319000.	
7440-47-3	Chromium (Cr)	1.6	J	2.2	U	0.8	U	5.5	B	0.8	U	2.2	U
7440-48-4	Cobalt (Co)	73.8		57.		47.9		60.9		2.5	J	5.2	U
7440-50-8	Copper (Cu)	2.8	UJ	1.4	UJ	5.1	U	11.	B	1.3	UJ	1.4	UJ
7439-89-6	Iron (Fe)	353000.		319000.		450000.		167000.		3770.		1750.	
7439-92-1	Lead (Pb)	2.4	J	5.7		5.6	UJ	1.6	B	1.7	U	1.7	U
7439-95-4	Magnesium (Mg)	47100.		50500.		59200.	J	66700.		22400.		19000.	
7439-96-5	Manganese (Mn)	3150.		3460.		4400.	J	3660.		273.		184.	
7439-97-6	Mercury (Hg)	0.11	J	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
7440-02-0	Nickel (Ni)	232.	J	199.		209.	J	191.		0.81	J	5.3	U
7440-09-7	Potassium (K)	15900.	J	8400.	U	12200.		12500.		9800.	U	6270.	U
7782-49-2	Selenium (Se)	5.	J	2.8	U	19.6	J	3.4	U	2.8	UJ	3.5	U
7440-22-4	Silver (Ag)	1.2	U	1.2	U	1.2	UJ	1.	U	1.2	U	1.2	U
7440-23-5	Sodium (Na)	34200.		29200.	U	40700.	U	35100.		9510.		11900.	U
7440-28-0	Thallium (Tl)	2.7	UJ	13.6	UJ	34.5	J	19.9		2.7	U	5.	UJ
7440-31-5	Tin (Sn)	4.8	J	3.3	J	2.6	UJ	14.	U	2.6	U	2.6	U
7440-62-2	Vanadium (V)	21.1		12.6	J	14.5	J	10.9	B	0.5	U	3.4	U
7440-66-6	Zinc (Zn)	518.		438.		458.	J	378.		150.		93.2	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-METAL	SAMPLE ID ---------->	044-G-W002-04	044-G-W002-05	044-G-W003-02	044-G-W003-03	044-G-W003-04	044-G-W003-05
	ORIGINAL ID ----->	044GW00204	044GW00205	044GW00302	044GW00303	044GW00304	044GW00305
	LAB SAMPLE ID --->	25931.01	30339.06	24514.03	25504.02	25931.02	30339.07
	ID FROM REPORT -->	044GW00204	044GW00205	044GW00302	044GW00303	044GW00304	044GW00305
	SAMPLE DATE ----->	06/07/96	07/28/97	01/17/96	05/06/96	06/07/96	07/28/97
	DATE EXTRACTED -->	06/30/96	08/08/97	01/19/96	05/16/96	06/30/96	08/08/97
	DATE ANALYZED --->	07/03/96	08/15/97	01/23/96	05/30/96	07/03/96	08/15/97
	MATRIX ---------->	Water	Water	Water	Water	Water	Water
	UNITS ----------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	25931	VAL	30257	VAL	24514	VAL	25504	VAL	25931	VAL	30257	VAL
7429-90-5	Aluminum (Al)	76.9	U	30.1	B	495.		33.6	U	106.	U	27.7	B
7440-36-0	Antimony (Sb)	2.1	U	1.6	U	2.1	U	14.9	U	2.1	U	1.6	B
7440-38-2	Arsenic (As)	2.7	J	5.	B	5.1	J	2.5	UJ	3.2	J	2.1	U
7440-39-3	Barium (Ba)	44.5	U	36.9		24.6		24.5	U	26.1	U	27.8	
7440-41-7	Beryllium (Be)	0.43	J	0.99	B	0.53	J	0.35	U	0.53	J	0.84	B
7440-43-9	Cadmium (Cd)	0.5	U	0.3	U	1.1	J	0.5	U	0.5	U	0.3	U
7440-70-2	Calcium (Ca)	314000.	J	275000.		442000.	J	444000.		444000.	J	528000.	
7440-47-3	Chromium (Cr)	1.2	U	1.1	B	1.1	J	2.2	U	1.6	U	1.	U
7440-48-4	Cobalt (Co)	5.2	U	2.8	B	37.1		43.4		49.		33.5	
7440-50-8	Copper (Cu)	1.3	U	1.4	U	8.		1.4	UJ	2.5	U	1.4	U
7439-89-6	Iron (Fe)	1330.		1340.		40100.		37400.		58400.		38200.	
7439-92-1	Lead (Pb)	1.7	U	0.9	U	1.7	U	1.7	U	1.7	U	0.9	U
7439-95-4	Magnesium (Mg)	18800.	J	16700.		39600.		36800.		40800.	J	34100.	
7439-96-5	Manganese (Mn)	120.	J	307.		843.		905.		1080.	J	703.	
7439-97-6	Mercury (Hg)	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
7440-02-0	Nickel (Ni)	1.6	UJ	1.7	B	74.4	J	78.3		82.4		70.1	
7440-09-7	Potassium (K)	7020.	U	6810.		6840.	U	4150.	U	4710.	U	4410.	B
7782-49-2	Selenium (Se)	2.8	U	3.4	U	2.8	UJ	2.8	U	3.8	J	3.4	U
7440-22-4	Silver (Ag)	1.2	UJ	1.	U	1.2	U	1.4	U	1.2	UJ	1.	U
7440-23-5	Sodium (Na)	10700.	U	17400.		15000.		11300.	U	15000.	U	10500.	
7440-28-0	Thallium (Tl)	2.7	UJ	5.	U	2.7	U	2.7	UJ	8.4	J	5.	U
7440-31-5	Tin (Sn)	3.7	UJ	14.	U	2.6	U	2.6	U	4.1	UJ	14.	U
7440-62-2	Vanadium (V)	0.5	U	1.1	U	4.2		3.4	U	0.5	U	1.1	U
7440-66-6	Zinc (Zn)	47.	U	487.		92.2		84.6	U	106.	U	77.9	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-META													
	SAMPLE ID ------->	044-G-W004-02		044-H-W004-02		044-G-W004-03		044-H-W004-03		044-G-W004-04		044-H-W004-04	
	ORIGINAL ID ----->	044GW00402		044HW00402		044GW00403		044HW00403		044GW00404		044HW00404	
	LAB SAMPLE ID --->	24514.01		24514.02		25513.02		25514.01		25931.03		25932.01	
	ID FROM REPORT -->	044GW00402		044HW00402		044GW00403		044HW00403		044GW00404		044HW00404	
	SAMPLE DATE ----->	01/17/96		01/17/96		05/07/96		05/07/96		06/07/96		06/07/96	
	DATE EXTRACTED -->	01/19/96		01/19/96		05/16/96		05/16/96		06/30/96		06/30/96	
	DATE ANALYZED --->	01/23/96		01/23/96		05/30/96		05/30/96		07/03/96		07/03/96	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ----------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	24514	VAL	24514	VAL	25504	VAL	25504	VAL	25931	VAL	25931	VAL
7429-90-5	Aluminum (Al)	98.8		75.4	J	463.	U	461.	U	19.7	U	18.	U
7440-36-0	Antimony (Sb)	2.1	U	2.1	U	18.7	U	13.	U	2.1	U	2.1	U
7440-38-2	Arsenic (As)	10.5	J	10.1	J	10.5	J	10.6	J	12.4	J	13.	J
7440-39-3	Barium (Ba)	30.7		29.6		27.8	U	28.9	U	29.4	U	31.	U
7440-41-7	Beryllium (Be)	0.36	J	0.36	J	0.3	U	0.3	U	0.45	J	0.47	J
7440-43-9	Cadmium (Cd)	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
7440-70-2	Calcium (Ca)	377000.	J	361000.	J	340000.		356000.		341000.	J	356000.	
7440-47-3	Chromium (Cr)	0.86	J	0.8	U	2.2	U	2.2	U	0.8	U	0.99	U
7440-48-4	Cobalt (Co)	0.9	U	0.9	U	5.2	U	5.2	U	5.2	U	5.2	U
7440-50-8	Copper (Cu)	0.6	UJ	0.6	UJ	1.4	UJ	1.4	UJ	0.62	U	1.3	U
7439-89-6	Iron (Fe)	17900.		17300.		15400.		16200.		17500.		18200.	
7439-92-1	Lead (Pb)	1.7	U	1.7	U	1.7	U	1.7	U	1.7	U	1.7	U
7439-95-4	Magnesium (Mg)	162000.		155000.		142000.		153000.		160000.	J	165000.	
7439-96-5	Manganese (Mn)	1780.		1700.		1470.		1550.		1680.	J	1760.	
7439-97-6	Mercury (Hg)	0.1	J	0.1	J	0.1	U	0.1	U	0.1	U	0.1	U
7440-02-0	Nickel (Ni)	0.8	U	0.8	U	5.3	U	5.3	U	0.85	UJ	1.3	UJ
7440-09-7	Potassium (K)	43200.		40100.		36600.		39600.		45200.		47700.	
7782-49-2	Selenium (Se)	2.8	UJ	2.8	UJ	2.8	U	2.9	U	2.8	U	2.8	U
7440-22-4	Silver (Ag)	1.2	U	1.2	U	1.2	U	1.4	U	1.2	UJ	1.2	UJ
7440-23-5	Sodium (Na)	194000.		184000.		210000.		225000.		239000.		251000.	
7440-28-0	Thallium (Tl)	3.7	U	2.7	U	7.	UJ	6.	UJ	2.7	UJ	2.7	UJ
7440-31-5	Tin (Sn)	2.6	U	2.6	U	2.6	U	2.6	U	2.6	UJ	5.6	UJ
7440-62-2	Vanadium (V)	1.4	J	1.	J	3.5	U	3.6	U	0.5	UJ	0.51	UJ
7440-66-6	Zinc (Zn)	5.3	U	5.3	U	11.8	U	6.9	U	5.3	U	5.3	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-META																							
	SAMPLE ID ------->	044-G-W004-05				044-H-W004-05				044-G-W005-02				044-G-W005-03				044-G-W005-04				044-G-W005-05			
	ORIGINAL ID ----->	044GW00405				044HW00405				044GW00502				044GW00503				044GW00504				044GW00505			
	LAB SAMPLE ID --->	30379.01				30379.02				24514.04				25558.01				25951.01				30424.02			
	ID FROM REPORT -->	044GW00405				044HW00405				044GW00502				044GW00503				044GW00504				044GW00505			
	SAMPLE DATE ----->	07/30/97				07/30/97				01/17/96				05/09/96				06/10/96				08/01/97			
	DATE EXTRACTED -->	08/08/97				08/08/97				01/19/96				05/16/96				06/30/96				08/09/97			
	DATE ANALYZED --->	08/15/97				08/15/97				01/23/96				05/31/96				07/03/96				08/18/97			
	MATRIX ---------->	Water				Water				Water				Water				Water				Water			
	UNITS ---------->	UG/L				UG/L				UG/L				UG/L				UG/L				UG/L			
CAS #	Parameter	30257		VAL		30257		VAL		24514		VAL		25504		VAL		25931		VAL		30424		VAL	
7429-90-5	Aluminum (Al)	21.4		B		70.5		B		18.		U		38.2		U		110.		U		8.		U	
7440-36-0	Antimony (Sb)	1.6		U		2.		B		2.1		U		3.7		U		2.1		U		1.6		U	
7440-38-2	Arsenic (As)	34.				34.9				3.8		J		2.5		UJ		7.1		J		3.3		B	
7440-39-3	Barium (Ba)	33.2				35.2				32.1		J		22.4		U		24.2		U		39.6			
7440-41-7	Beryllium (Be)	0.62		B		0.78		B		0.66		J		0.54		U		0.75		J		0.91		B	
7440-43-9	Cadmium (Cd)	0.3		U		0.3		U		0.5		U		0.5		U		0.5		U		0.3		U	
7440-70-2	Calcium (Ca)	137000.				146000.				280000.		J		202000.				211000.		J		322000.			
7440-47-3	Chromium (Cr)	1.		B		1.1		B		3.1		J		1.8		U		2.9		U		2.3		B	
7440-48-4	Cobalt (Co)	3.4		B		2.7		B		0.95		J		5.2		U		5.2		U		0.96		B	
7440-50-8	Copper (Cu)	1.4		U		1.4		U		0.6		UJ		0.6		UJ		2.2		U		1.4		U	
7439-89-6	Iron (Fe)	22300.				22600.				2380.				1380.				1380.				2800.			
7439-92-1	Lead (Pb)	0.9		U		0.9		U		1.7		UJ		1.7		U		1.7		U		0.9		U	
7439-95-4	Magnesium (Mg)	157000.				159000.				523000.				489000.				658000.		J		636000.			
7439-96-5	Manganese (Mn)	1250.				1270.				986.				454.				221.		J		692.			
7439-97-6	Mercury (Hg)	0.1		U		0.1		U		0.14		J		0.1		U		0.1		U		0.1		U	
7440-02-0	Nickel (Ni)	0.7		B		0.7		U		1.1		J		0.8		U		1.9		UJ		0.96		B	
7440-09-7	Potassium (K)	55500.				54100.				226000.		J		143000.				225000.				172000.			
7782-49-2	Selenium (Se)	3.4		U		3.4		U		2.8		UJ		2.8		U		2.8		U		3.4		U	
7440-22-4	Silver (Ag)	1.		U		1.		U		1.2		U		1.2		U		1.2		UJ		1.		U	
7440-23-5	Sodium (Na)	1130000.				1100000.				5430000.				4580000.				6590000.				5180000.			
7440-28-0	Thallium (Tl)	6.7		B		6.4		B		2.7		UJ		2.7		UJ		3.8		J		5.		U	
7440-31-5	Tin (Sn)	14.		U		14.		U		2.6		U		2.6		U		6.4		UJ		14.		U	
7440-62-2	Vanadium (V)	1.4		B		1.6		B		2.7		J		2.3		U		2.4		UJ		3.3		B	
7440-66-6	Zinc (Zn)	5.8		U		8.3		B		5.3		UJ		6.9		U		5.3		U		5.8		U	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-META													
	SAMPLE ID ------>	044-G-W006-02		044-G-W006-03		044-G-W006-04		044-H-W006-04		044-G-W006-05		044-G-W007-02	
	ORIGINAL ID ----->	044GW00602		044GW00603		044GW00604		044HW00604		044GW00605		044GW00702	
	LAB SAMPLE ID --->	24514.05		25533.01		25985.01		25986.04		30379.03		24527.04	
	ID FROM REPORT -->	044GW00602		044GW00603		044GW00604		044HW00604		044GW00605		044GW00702	
	SAMPLE DATE ----->	01/17/96		05/08/96		06/11/96		06/11/96		07/30/97		01/18/96	
	DATE EXTRACTED -->	01/19/96		05/16/96		06/30/96		06/30/96		08/08/97		01/22/96	
	DATE ANALYZED --->	01/23/96		05/31/96		07/03/96		07/03/96		08/15/97		01/25/96	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	24514	VAL	25504	VAL	25931	VAL	25931	VAL	30257	VAL	24514	VAL
7429-90-5	Aluminum (Al)	18.	U	23.	U	156.	U	1370.	U	8.	U	350.	
7440-36-0	Antimony (Sb)	2.1	U	4.	U	3.3	U	5.3	U	2.6	B	54.1	
7440-38-2	Arsenic (As)	6.3	J	2.5	UJ	6.9	J	5.4	J	4.2	B	109.	
7440-39-3	Barium (Ba)	23.2		19.1	U	35.4	UJ	20.8	U	40.4		22.2	
7440-41-7	Beryllium (Be)	0.45	J	0.3	U	0.44	J	0.3	U	1.3	B	0.3	U
7440-43-9	Cadmium (Cd)	0.5	U	0.5	U	0.5	U	0.5	U	0.3	U	0.5	U
7440-70-2	Calcium (Ca)	446000.	J	401000.		267000.	J	102000.	J	448000.		85500.	J
7440-47-3	Chromium (Cr)	1.6	J	0.8	U	0.86	U	1.8	U	1.7	B	1.1	J
7440-48-4	Cobalt (Co)	5.1		5.2	U	5.2	U	5.2	U	3.8	B	0.9	U
7440-50-8	Copper (Cu)	0.6	UJ	1.2	UJ	5.4	U	1.1	U	1.4	U	4.9	J
7439-89-6	Iron (Fe)	5240.		1110.		518.	U	2310.		4630.		2350.	
7439-92-1	Lead (Pb)	1.7	U	1.7	U	1.7	UJ	1.7	U	0.9	U	1.7	U
7439-95-4	Magnesium (Mg)	128000.		76700.		347000.	J	3830.	J	152000.		67200.	
7439-96-5	Manganese (Mn)	2580.		546.		1120.	J	46.9	J	1770.		354.	
7439-97-6	Mercury (Hg)	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
7440-02-0	Nickel (Ni)	10.5	J	5.7	U	5.3	UJ	0.8	UJ	7.7	B	1.4	J
7440-09-7	Potassium (K)	35500.		29500.		114000.		4960.	U	60700..		48800.	
7782-49-2	Selenium (Se)	2.8	UJ	2.8	U	2.8	U	2.8	U	3.4	U	2.8	UJ
7440-22-4	Silver (Ag)	1.2	U	2.7	U	1.2	UJ	1.2	UJ	1.	B	1.2	U
7440-23-5	Sodium (Na)	643000.		354000.		3110000.		3580.	U	939000.		614000.	
7440-28-0	Thallium (Tl)	2.7	U	2.7	UJ	2.7	UJ	2.7	UJ	6.	B	4.2	U
7440-31-5	Tin (Sn)	2.6	U	3.1	J	2.6	UJ	2.6	UJ	14.	U	2.6	U
7440-62-2	Vanadium (V)	0.5	U	3.9	U	26.		2.	UJ	1.9	B	14.6	
7440-66-6	Zinc (Zn)	5.3	U	6.9	U	5.3	UJ	5.7	U	5.8	U	5.3	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-META													
	SAMPLE ID ------->	044-G-W007-03		044-G-W007-04		044-G-W007-05		044-G-W008-02		044-G-W008-03		044-G-W008-04	
	ORIGINAL ID ----->	044GW00703		044GW00704		044GW00705		044GW00802		044GW00803		044GW00804	
	LAB SAMPLE ID --->	25568.01		25985.02		30424.01		24527.03		25533.02		25997.03	
	ID FROM REPORT -->	044GW00703		044GW00704		044GW00705		044GW00802		044GW00803		044GW00804	
	SAMPLE DATE ----->	05/10/96		06/11/96		08/01/97		01/18/96		05/08/96		06/12/96	
	DATE EXTRACTED -->	05/16/96		06/30/96		08/09/97		01/22/96		05/16/96		06/30/96	
	DATE ANALYZED --->	05/31/96		07/03/96		08/18/97		01/25/96		05/31/96		07/03/96	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	25568	VAL	25931	VAL	30424	VAL	24514	VAL	25504	VAL	25997	VAL
7429-90-5	Aluminum (Al)	31.5	U	25.1	U	28.3	B	901.		434.	U	357.	
7440-36-0	Antimony (Sb)	10.3	J	8.2	U	35.3	B	2.1	U	2.1	U	2.1	U
7440-38-2	Arsenic (As)	30.1		62.8		23.2		11.5	J	7.6	J	22.	U
7440-39-3	Barium (Ba)	8.5	U	9.4	U	45.9		21.7		14.1	U	25.8	
7440-41-7	Beryllium (Be)	0.3	U	0.3	U	0.25	B	0.53	J	0.3	U	0.36	J
7440-43-9	Cadmium (Cd)	0.5	U	0.5	U	0.3	U	0.5	U	0.5	U	0.5	U
7440-70-2	Calcium (Ca)	81400.		84800.	J	154000.		163000.	J	139000.		190000.	
7440-47-3	Chromium (Cr)	2.2	U	0.87	U	1.	U	3.3	J	2.4	U	4.9	J
7440-48-4	Cobalt (Co)	0.9	U	5.2	U	0.8	U	0.9	U	5.2	U	5.2	U
7440-50-8	Copper (Cu)	3.	U	0.6	U	2.6	B	3.6	J	0.77	UJ	1.	U
7439-89-6	Iron (Fe)	1550.		4440.		567.		3390.		2460.		1780.	
7439-92-1	Lead (Pb)	1.7	U	1.7	U	0.9	U	1.7	U	1.7	U	1.7	U
7439-95-4	Magnesium (Mg)	74500.		87700.	J	18700.		279000.		127000.		368000.	
7439-96-5	Manganese (Mn)	293.		362.	J	173.		722.		945.		955.	
7439-97-6	Mercury (Hg)	0.1	U	0.1	U	0.1	U	0.11	J	0.1	U	0.1	U
7440-02-0	Nickel (Ni)	3.6	U	0.8	UJ	0.97	B	1.8	J	1.3	U	2.1	UJ
7440-09-7	Potassium (K)	38800.		56200.		11800.		143000.		50700.		129000.	
7782-49-2	Selenium (Se)	2.8	UJ	2.8	U	4.3	B	2.8	UJ	2.8	U	2.8	U
7440-22-4	Silver (Ag)	2.3	B	1.2	UJ	1.	U	1.2	U	1.2	U	1.2	UJ
7440-23-5	Sodium (Na)	686000.		749000.		108000.		2520000.		1000000.		3080000.	
7440-28-0	Thallium (Tl)	3.1	J	2.7	UJ	5.	U	2.7	U	2.7	UJ	2.7	UJ
7440-31-5	Tin (Sn)	2.6	J	2.6	UJ	14.	U	2.6	U	2.6	U	2.6	UJ
7440-62-2	Vanadium (V)	9.6	U	7.4	UJ	2.1	B	8.7		5.9	J	5.7	J
7440-66-6	Zinc (Zn)	13.	B	5.3	U	5.8	U	5.3	U	6.9	U	5.3	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-META												
SAMPLE ID ------->	044-G-W008-05		047-G-W001-02		047-G-W001-03		047-G-W001-04		047-G-W002-02		047-G-W002-03	
ORIGINAL ID ----->	044GW00805		047GW00102		047GW00103		047GW00104		047GW00202		047GW00203	
LAB SAMPLE ID --->	30339.08		24583.03		25558.02		25931.04		24583.06		25533.03	
ID FROM REPORT -->	044GW00805		047GW00102		047GW00103		047GW00104		047GW00202		047GW00203	
SAMPLE DATE ----->	07/28/97		01/25/96		05/09/96		06/07/96		01/25/96		05/08/96	
DATE EXTRACTED -->	08/08/97		01/30/96		05/16/96		06/30/96		01/30/96		05/16/96	
DATE ANALYZED --->	08/15/97		02/06/96		05/31/96		07/03/96		02/06/96		05/31/96	
MATRIX ---------->	Water		Water		Water		Water		Water		Water	
UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS # Parameter	30257	VAL	24561	VAL	25504	VAL	25931	VAL	24561	VAL	25504	VAL
7429-90-5 Aluminum (Al)	7780.		18.	U	23.	U	18.	U	25.8	U	24.8	U
7440-36-0 Antimony (Sb)	2.2	B	2.1	U	2.1	U	3.1	U	2.1	U	2.1	U
7440-38-2 Arsenic (As)	7.2	B	10.9		7.5	J	8.6	J	10.5		9.	J
7440-39-3 Barium (Ba)	43.		5.1		4.5	U	4.9	U	6.2		4.7	U
7440-41-7 Beryllium (Be)	1.7	B	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
7440-43-9 Cadmium (Cd)	0.3	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
7440-70-2 Calcium (Ca)	218000.		18400.		18800.		19800.		27500.		26600.	
7440-47-3 Chromium (Cr)	16.		0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
7440-48-4 Cobalt (Co)	6.5	B	0.9	U	5.2	U	5.2	U	0.9	U	5.2	U
7440-50-8 Copper (Cu)	12.6	B	1.7	UJ	0.6	UJ	0.6	U	1.1	UJ	0.6	UJ
7439-89-6 Iron (Fe)	9290.		2770.		2770.		3030.		19000.		19300.	
7439-92-1 Lead (Pb)	8.3		1.7	U	1.7	U	1.7	U	1.7	U	1.7	U
7439-95-4 Magnesium (Mg)	339000.		1710.		1920.		1850.		7590.		7560.	
7439-96-5 Manganese (Mn)	467.		27.9		29.6	U	33.2	U	95.		91.2	
7439-97-6 Mercury (Hg)	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
7440-02-0 Nickel (Ni)	7.4	B	0.8	U	0.8	U	0.8	UJ	0.8	U	0.8	U
7440-09-7 Potassium (K)	109000.		3760.	J	1960.	U	2200.	U	3610.	J	1600.	U
7782-49-2 Selenium (Se)	3.4	U	2.8	U	2.8	U	2.8	U	2.8	U	2.8	U
7440-22-4 Silver (Ag)	1.	U	1.2	U	1.2	U	1.2	UJ	1.2	U	1.2	U
7440-23-5 Sodium (Na)	2590000.		11000.		9330.	U	11000.	U	24600.		22500.	U
7440-28-0 Thallium (Tl)	5.	U	2.7	U	2.7	UJ	2.7	UJ	2.7	U	2.7	UJ
7440-31-5 Tin (Sn)	14.	U	2.6	U	2.6	U	2.7	UJ	2.6	U	2.6	U
7440-62-2 Vanadium (V)	22.6		0.5	UJ	0.5	U	0.5	UJ	0.52	J	0.5	U
7440-66-6 Zinc (Zn)	166.		5.3	U	7.5	U	5.3	U	5.3	U	6.9	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-META													
	SAMPLE ID ------->	047-G-W002-04		047-G-W003-02		047-G-W003-03		047-G-W003-04		047-G-W004-02		047-G-W004-03	
	ORIGINAL ID ----->	047GW00204		047GW00302		047GW00303		047GW00304		047GW00402		047GW00403	
	LAB SAMPLE ID --->	25931.07		24578.04		25533.04		25951.02		24583.01		25597.03	
	ID FROM REPORT -->	047GW00204		047GW00302		047GW00303		047GW00304		047GW00402		047GW00403	
	SAMPLE DATE ----->	06/07/96		01/24/96		05/08/96		06/10/96		01/25/96		05/13/96	
	DATE EXTRACTED -->	06/30/96		01/30/96		05/16/96		06/30/96		01/30/96		05/21/96	
	DATE ANALYZED --->	07/03/96		02/06/96		05/31/96		07/03/96		02/06/96		05/31/96	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ----------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	25931	VAL	24561	VAL	25504	VAL	25931	VAL	24561	VAL	25568	VAL
7429-90-5	Aluminum (Al)	18.	U	79.2	U	352.	U	98.1	U	786.	J	79.9	U
7440-36-0	Antimony (Sb)	2.1	U	2.1	U	2.1	U	2.1	U	2.1	U	13.	UJ
7440-38-2	Arsenic (As)	12.	J	2.5	U	2.5	UJ	2.5	UJ	4.6	J	2.5	UJ
7440-39-3	Barium (Ba)	4.7	U	17.4		15.9	U	15.9	U	12.6		9.7	U
7440-41-7	Beryllium (Be)	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.5	U
7440-43-9	Cadmium (Cd)	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	2.2	U
7440-70-2	Calcium (Ca)	27000.		73000.		66100.		69100.		29400.		25900.	
7440-47-3	Chromium (Cr)	0.8	U	0.8	U	0.85	U	0.86	U	1.4	J	2.2	U
7440-48-4	Cobalt (Co)	5.2	U	0.9	U	5.2	U	5.2	U	0.9	U	5.2	U
7440-50-8	Copper (Cu)	2.6	U	0.6	UJ	0.6	UJ	0.6	U	2.6	UJ	3.8	U
7439-89-6	Iron (Fe)	22600.		911.		1220.		973.	U	6190.		5610.	
7439-92-1	Lead (Pb)	1.7	U	1.7	U	1.7	U	1.7	U	1.7	U	1.4	U
7439-95-4	Magnesium (Mg)	8790.		8950.		8720.		9180.		25400.		23400.	
7439-96-5	Manganese (Mn)	110.		28.6		27.2	U	27.5	U	153.		140.	
7439-97-6	Mercury (Hg)	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
7440-02-0	Nickel (Ni)	1.3	J	0.8	U	0.8	U	0.8	UJ	1.	J	5.3	U
7440-09-7	Potassium (K)	1840.	U	6220.		4590.	U	5200.	U	11700.		9400.	
7782-49-2	Selenium (Se)	2.8	U	2.8	U	2.8	U	2.8	U	2.8	U	2.8	UJ
7440-22-4	Silver (Ag)	1.2	UJ	1.2	U	1.2	U	1.2	UJ	1.2	U	3.4	U
7440-23-5	Sodium (Na)	28800.	U	48600.		36900.	U	41300.	U	48400.		44800.	UJ
7440-28-0	Thallium (Tl)	3.9	J	2.7	U	2.7	UJ	2.7	UJ	2.7	U	3.4	U
7440-31-5	Tin (Sn)	2.7	UJ	2.6	U	2.6	U	2.6	UJ	2.6	U	2.6	U
7440-62-2	Vanadium (V)	0.5	UJ	1.9	J	2.2	U	1.	UJ	1.6	J	3.4	U
7440-66-6	Zinc (Zn)	5.3	U	5.3	U	6.9	U	5.3	U	5.3	U	7.9	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-META													
	SAMPLE ID ------->	047-G-W004-04		047-G-W005-02		047-G-W005-03		047-G-W005-04		047-G-W006-02		047-H-W006-02	
	ORIGINAL ID ----->	047GW00404		047GW00502		047GW00503		047GW00504		047GW00602		047HW00602	
	LAB SAMPLE ID --->	25951.03		24578.01		25597.04		25951.04		24578.02		24579.01	
	ID FROM REPORT -->	047GW00404		047GW00502		047GW00503		047GW00504		047GW00602		047HW00602	
	SAMPLE DATE ----->	06/10/96		01/24/96		05/13/96		06/10/96		01/24/96		01/24/96	
	DATE EXTRACTED -->	06/30/96		01/30/96		05/21/96		06/30/96		01/30/96		01/30/96	
	DATE ANALYZED --->	07/03/96		02/06/96		05/31/96		07/03/96		02/06/96		02/06/96	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ----------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	25931	VAL	24561	VAL	25568	VAL	25931	VAL	24561	VAL	24561	VAL
7429-90-5	Aluminum (Al)	441.	U	7780.	J	2970.		1170.	U	30.2	U	40.8	J
7440-36-0	Antimony (Sb)	2.1	U	2.1	U	13.	UJ	2.1	U	2.1	U	2.1	U
7440-38-2	Arsenic (As)	6.6	J	9.2	J	2.5	UJ	2.5	UJ	3.8	J	4.4	J
7440-39-3	Barium (Ba)	10.3	U	43.9		17.2	U	12.3	U	20.6		20.7	
7440-41-7	Beryllium (Be)	0.3	U	0.35	U	0.5	U	0.33	J	0.3	U	0.3	U
7440-43-9	Cadmium (Cd)	0.5	U	0.5	U	2.2	U	0.5	U	0.5	U	0.5	U
7440-70-2	Calcium (Ca)	26100.		12600.		9830.	U	8670.	U	132000.		131000.	
7440-47-3	Chromium (Cr)	1.2	U	14.8		6.5	U	2.4	U	0.8	U	0.8	U
7440-48-4	Cobalt (Co)	5.2	U	0.9	U	5.2	U	5.2	U	0.9	U	0.9	U
7440-50-8	Copper (Cu)	1.3	U	9.4		5.1	U	3.9	U	0.6	UJ	0.6	UJ
7439-89-6	Iron (Fe)	5740.		5700.		2450.		774.	U	974.		969.	
7439-92-1	Lead (Pb)	1.7	U	12.5		4.5		1.7	U	1.7	U	1.7	U
7439-95-4	Magnesium (Mg)	22300.		13800.		5450.		6150.		4690.		4510.	
7439-96-5	Manganese (Mn)	127.		61.1		10.1	U	13.8	U	56.3		55.8	
7439-97-6	Mercury (Hg)	0.1	U	0.11	U	0.1	U	0.1	U	0.1	U	0.1	U
7440-02-0	Nickel (Ni)	0.8	UJ	3.2	J	5.3	U	0.8	UJ	0.8	U	0.8	U
7440-09-7	Potassium (K)	9280.	U	9150.		3690.	U	4630.	U	8070.		6050.	
7782-49-2	Selenium (Se)	2.8	U	2.8	U	2.8	UJ	2.8	U	2.8	U	2.8	U
7440-22-4	Silver (Ag)	1.2	UJ	1.2	U	3.4	U	1.2	UJ	1.2	U	1.2	U
7440-23-5	Sodium (Na)	45100.	U	94800.		38400.	UJ	61900.	U	3630.	U	3510.	
7440-28-0	Thallium (Tl)	2.7	UJ	3.9	U	4.3	J	2.7	UJ	5.1	U	2.7	U
7440-31-5	Tin (Sn)	3.	UJ	2.6	U	2.7	U	2.6	UJ	2.6	U	2.6	U
7440-62-2	Vanadium (V)	0.5	UJ	23.		9.8	J	3.3	UJ	0.5	UJ	0.63	J
7440-66-6	Zinc (Zn)	5.3	U	18.8	J	11.1	U	7.	U	5.3	U	5.3	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-META													
	SAMPLE ID ------->	047-G-W006-03		047-H-W006-03		047-G-W006-04		047-G-W007-02		047-G-W007-03		047-G-W007-04	
	ORIGINAL ID ----->	047GW00603		047HW00603		047GW00604		047GW00702		047GW00703		047GW00704	
	LAB SAMPLE ID --->	25606.03		25607.01		25985.04		24583.08		25606.04		25985.05	
	ID FROM REPORT -->	047GW00603		047HW00603		047GW00604		047GW00702		047GW00703		047GW00704	
	SAMPLE DATE ----->	05/14/96		05/14/96		06/11/96		01/25/96		05/14/96		06/11/96	
	DATE EXTRACTED -->	05/21/96		05/21/96		06/30/96		01/30/96		05/21/96		06/30/96	
	DATE ANALYZED --->	05/31/96		05/31/96		07/03/96		02/06/96		05/31/96		07/03/96	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	25568	VAL	25568	VAL	25931	VAL	24561	VAL	25568	VAL	25931	VAL
7429-90-5	Aluminum (Al)	31.2	U	23.	U	1030.	U	152.	J	36.5	U	21.7	U
7440-36-0	Antimony (Sb)	13.	UJ	13.	UJ	4.4	U	2.1	U	13.	UJ	2.1	U
7440-38-2	Arsenic (As)	2.5	UJ	2.5	UJ	4.3	J	2.5	U	2.5	UJ	2.5	UJ
7440-39-3	Barium (Ba)	19.8	U	18.8	U	19.8	U	45.8		42.	U	40.9	U
7440-41-7	Beryllium (Be)	0.5	U	0.5	U	0.3	U	0.3	U	0.5	U	0.3	U
7440-43-9	Cadmium (Cd)	2.2	U	2.2	U	0.5	U	0.5	U	2.2	U	0.5	U
7440-70-2	Calcium (Ca)	119000.		119000.		102000.		26400.		23500.		21800.	
7440-47-3	Chromium (Cr)	2.2	U	2.2	U	1.1	U	1.	J	2.2	U	0.8	U
7440-48-4	Cobalt (Co)	5.2	U	5.2	U	5.2	U	0.9	U	5.2	U	5.2	U
7440-50-8	Copper (Cu)	3.8	U	0.6	U	1.2	U	0.81	UJ	3.8	U	1.7	U
7439-89-6	Iron (Fe)	1460.		1360.		2160.		171.		54.4	U	57.6	U
7439-92-1	Lead (Pb)	1.4	U	1.7	U	1.9	U	1.7	U	1.4	U	1.7	U
7439-95-4	Magnesium (Mg)	4430.		4380.		3800.		5150.		4480.		4330.	
7439-96-5	Manganese (Mn)	64.3		61.5	U	45.7		38.		33.5		32.	U
7439-97-6	Mercury (Hg)	0.1	U	0.1	U	0.1	U	0.11	U	0.1	U	0.67	
7440-02-0	Nickel (Ni)	5.3	U	5.3	U	0.8	UJ	0.8	U	5.3	U	0.8	UJ
7440-09-7	Potassium (K)	5260.	U	5190.	U	4700.	U	3530.	J	2110.	U	2310.	U
7782-49-2	Selenium (Se)	2.8	UJ	2.8	UJ	2.8	U	2.8	U	2.8	U	2.8	U
7440-22-4	Silver (Ag)	3.4	U	3.4	U	1.2	UJ	1.2	U	3.4	U	1.2	UJ
7440-23-5	Sodium (Na)	3620.	UJ	3600.	U	3360.	U	6160.	U	6530.	UJ	6780.	U
7440-28-0	Thallium (Tl)	3.4	U	2.7	U	2.7	UJ	2.7	U	3.9	J	2.7	UJ
7440-31-5	Tin (Sn)	2.6	U	2.6	U	2.6	UJ	2.6	U	2.6	U	2.6	UJ
7440-62-2	Vanadium (V)	3.4	U	3.4	U	1.5	UJ	1.2	J	3.4	U	0.5	UJ
7440-66-6	Zinc (Zn)	7.9	U	5.3	U	5.3	U	5.3	U	7.9	U	5.3	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-META	SAMPLE ID ------->	047-G-W008-02	047-G-W008-03	047-G-W008-04	047-G-W009-02	047-G-W009-03	047-G-W009-04
	ORIGINAL ID ----->	047GW00802	047GW00803	047GW00804	047GW00902	047GW00903	047GW00904
	LAB SAMPLE ID --->	24583.07	25625.01	25997.04	24593.01	25625.02	25997.05
	ID FROM REPORT -->	047GW00802	047GW00803	047GW00804	047GW00902	047GW00903	047GW00904
	SAMPLE DATE ----->	01/25/96	05/15/96	06/12/96	01/26/96	05/15/96	06/12/96
	DATE EXTRACTED -->	01/30/96	05/21/96	06/30/96	01/30/96	05/21/96	06/30/96
	DATE ANALYZED --->	02/06/96	05/31/96	07/03/96	02/06/96	05/31/96	07/03/96
	MATRIX ---------->	Water	Water	Water	Water	Water	Water
	UNITS ---------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	24561	VAL	25568	VAL	25997	VAL	24593	VAL	25568	VAL	25997	VAL
7429-90-5	Aluminum (Al)	285.	J	109.	U	75.7	J	340.		32.2	U	66.5	J
7440-36-0	Antimony (Sb)	2.1	U	13.	UJ	2.1	U	2.1	U	13.	UJ	3.9	U
7440-38-2	Arsenic (As)	2.5	U	2.5	UJ	2.5	UJ	2.5	U	2.5	UJ	2.5	UJ
7440-39-3	Barium (Ba)	20.9		21.9	U	20.9		40.4		48.7	U	49.9	
7440-41-7	Beryllium (Be)	0.32	U	0.5	U	0.3	U	0.3	U	0.5	U	0.3	U
7440-43-9	Cadmium (Cd)	0.5	U	2.2	U	0.5	U	0.5	U	2.2	U	0.5	U
7440-70-2	Calcium (Ca)	6340.		9090.	U	8680.		41600.		45200.		46100.	
7440-47-3	Chromium (Cr)	0.8	U	2.2	U	0.8	UJ	1.3	J	2.2	U	0.8	UJ
7440-48-4	Cobalt (Co)	1.6	J	5.2	U	5.2	U	0.9	U	5.2	U	5.2	U
7440-50-8	Copper (Cu)	1.5	UJ	3.8	U	1.6	U	1.5	J	3.8	U	0.61	U
7439-89-6	Iron (Fe)	401.		294.		276.		5850.		4650.		5720.	
7439-92-1	Lead (Pb)	1.7	U	1.4	U	1.7	U	6.4		1.4	U	1.7	U
7439-95-4	Magnesium (Mg)	1820.		1660.		1490.		8070.		7580.		8720.	
7439-96-5	Manganese (Mn)	9.8		10.2	U	11.1		73.3		66.5		79.5	
7439-97-6	Mercury (Hg)	0.1	U	0.1	U	0.1	U	0.11	U	0.1	U	0.1	U
7440-02-0	Nickel (Ni)	0.89	J	5.3	U	0.8	UJ	1.1	J	5.3	U	0.8	UJ
7440-09-7	Potassium (K)	2240.	J	1600.	U	1600.	U	6760.		4670.	U	5110.	
7782-49-2	Selenium (Se)	2.8	U	2.8	UJ	2.8	U	2.8	U	2.8	UJ	2.8	U
7440-22-4	Silver (Ag)	1.2	U	3.4	U	1.2	UJ	1.5	U	3.4	U	1.2	UJ
7440-23-5	Sodium (Na)	6450.	U	5880.	UJ	5480.		10500.		10300.	UJ	11300.	
7440-28-0	Thallium (Tl)	2.7	U	3.4	U	2.7	UJ	4.6	U	3.4	U	2.7	UJ
7440-31-5	Tin (Sn)	2.6	U	2.6	U	2.6	UJ	2.6	U	2.6	U	2.6	UJ
7440-62-2	Vanadium (V)	0.77	J	3.4	U	0.5	UJ	0.76	J	3.4	U	0.5	UJ
7440-66-6	Zinc (Zn)	5.3	U	7.9	U	5.3	U	14.5	J	7.9	U	5.3	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-META	SAMPLE ID ------->	047-G-W010-02	047-G-W010-03	047-G-W010-04	047-G-W011-02	047-G-W011-03	047-G-W011-04
	ORIGINAL ID ----->	047GW01002	047GW01003	047GW01004	047GW01102	047GW01103	047GW01104
	LAB SAMPLE ID --->	24583.10	25606.01	25997.06	24561.01	25606.02	26016.03
	ID FROM REPORT -->	047GW01002	047GW01003	047GW01004	047GW01102	047GW01103	047GW01104
	SAMPLE DATE ----->	01/25/96	05/14/96	06/12/96	01/23/96	05/14/96	06/13/96
	DATE EXTRACTED -->	01/30/96	05/21/96	06/30/96	01/26/96	05/21/96	06/28/96
	DATE ANALYZED --->	02/06/96	05/31/96	07/03/96	01/30/96	05/31/96	07/04/96
	MATRIX ---------->	Water	Water	Water	Water	Water	Water
	UNITS ---------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	24561	VAL	25568	VAL	25997	VAL	24561	VAL	25568	VAL	25997	VAL
7429-90-5	Aluminum (Al)	1200.	J	442.	U	548.		622.	J	28.2	U	188.	
7440-36-0	Antimony (Sb)	2.1	U	13.	UJ	2.2	U	2.2	U	13.	UJ	2.1	U
7440-38-2	Arsenic (As)	2.5	U	2.5	UJ	2.5	UJ	164.		159.		120.	
7440-39-3	Barium (Ba)	193.		501.	U	406.		69.1		63.9	U	61.9	
7440-41-7	Beryllium (Be)	0.33	U	0.5	U	0.3	U	0.3	U	0.5	U	0.3	U
7440-43-9	Cadmium (Cd)	0.5	U	2.2	U	0.5	U	0.5	U	2.2	U	0.5	U
7440-70-2	Calcium (Ca)	34300.		49500.		40200.		57900.		43300.		56400.	
7440-47-3	Chromium (Cr)	3.2	J	2.2	U	0.8	UJ	1.3	J	2.2	U	0.8	UJ
7440-48-4	Cobalt (Co)	1.	J	5.2	U	5.2	U	2.5	J	5.2	U	5.2	U
7440-50-8	Copper (Cu)	9.		3.8	U	3.2	U	3.7	UJ	3.8	U	0.6	U
7439-89-6	Iron (Fe)	4360.		12100.		7270.		17000.		21700.		12400.	
7439-92-1	Lead (Pb)	20.4		5.9		6.5		1.7	U	1.4	U	1.7	U
7439-95-4	Magnesium (Mg)	3870.		5270.		4400.		12900.		14200.		12600.	
7439-96-5	Manganese (Mn)	128.		241.		175.		633.		353.		352.	
7439-97-6	Mercury (Hg)	0.1	U	0.1	U	0.1	U	0.11	U	0.1	U	0.1	U
7440-02-0	Nickel (Ni)	1.6	J	5.3	U	0.8	UJ	1.8	J	5.3	U	0.89	UJ
7440-09-7	Potassium (K)	3690.	J	1600.	U	1600.	U	7280.		6390.	U	5440.	
7782-49-2	Selenium (Se)	2.8	U	2.8	UJ	2.8	U	2.8	U	2.8	UJ	2.8	U
7440-22-4	Silver (Ag)	1.2	U	3.4	U	1.2	UJ	1.2	U	3.4	U	1.2	UJ
7440-23-5	Sodium (Na)	9930.	U	11100.	UJ	10800.		40000.		37400.	UJ	34600.	
7440-28-0	Thallium (Tl)	2.7	U	3.4	U	2.7	UJ	2.7	U	3.4	U	2.7	UJ
7440-31-5	Tin (Sn)	2.6	U	2.9	U	2.6	UJ	2.6	U	3.6	U	2.6	UJ
7440-62-2	Vanadium (V)	3.7		3.4	U	1.1	J	2.2	J	3.4	U	0.5	UJ
7440-66-6	Zinc (Zn)	34.5		17.1	U	23.2		7.	J	7.9	U	5.6	J

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-META													
	SAMPLE ID ------->	047-G-W012-02		047-G-W012-03		047-G-W012-04		047-G-W013-02		047-G-W013-03		047-G-W013-04	
	ORIGINAL ID ----->	047GW01202		047GW01203		047GW01204		047GW01302		047GW01303		047GW01304	
	LAB SAMPLE ID --->	24561.02		25558.05		26016.04		24578.03		25568.04		26028.01	
	ID FROM REPORT -->	047GW01202		047GW01203		047GW01204		047GW01302		047GW01303		047GW01304	
	SAMPLE DATE ----->	01/23/96		05/09/96		06/13/96		01/24/96		05/10/96		06/14/96	
	DATE EXTRACTED -->	01/26/96		05/16/96		06/28/96		01/30/96		05/16/96		06/28/96	
	DATE ANALYZED --->	01/30/96		05/31/96		07/04/96		02/06/96		05/31/96		07/04/96	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ----------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	24561	VAL	25504	VAL	25997	VAL	24561	VAL	25568	VAL	25997	VAL
7429-90-5	Aluminum (Al)	29.1	U	23.	U	18.	U	52.	U	27.7	U	18.	U
7440-36-0	Antimony (Sb)	2.1	U	2.1	U	2.1	U	2.1	U	2.1	UJ	2.1	U
7440-38-2	Arsenic (As)	15.		5.6	J	21.1	U	2.5	U	3.6	J	5.8	UJ
7440-39-3	Barium (Ba)	11.4		5.4	U	48.3		6.5		5.2	U	5.6	J
7440-41-7	Beryllium (Be)	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
7440-43-9	Cadmium (Cd)	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
7440-70-2	Calcium (Ca)	6290.		20200.		19700.		35000.		35100.		33700.	
7440-47-3	Chromium (Cr)	0.8	U	0.8	U	0.8	UJ	0.8	U	2.2	U	0.8	UJ
7440-48-4	Cobalt (Co)	0.9	U	5.2	U	5.2	U	0.9	U	0.9	U	5.2	U
7440-50-8	Copper (Cu)	0.6	UJ	0.6	UJ	0.6	U	0.6	UJ	0.7	U	1.3	U
7439-89-6	Iron (Fe)	1410.		2960.		6800.		10700.		11200.		11100.	
7439-92-1	Lead (Pb)	1.7	U	1.7	U	1.7	U	1.7	U	1.7	U	1.7	U
7439-95-4	Magnesium (Mg)	4840.		1830.		14400.		4310.		4760.		4870.	
7439-96-5	Manganese (Mn)	21.1		31.6	U	68.1		181.		180.		178.	
7439-97-6	Mercury (Hg)	0.1	U	0.1	U	0.1	U	0.11	U	0.1	U	0.1	U
7440-02-0	Nickel (Ni)	0.8	U	0.8	U	0.8	UJ	0.8	U	0.8	U	0.8	UJ
7440-09-7	Potassium (K)	3040.	J	2050.	U	6230.		5790.		4280.	U	4560.	J
7782-49-2	Selenium (Se)	2.8	U	3.2	U	2.8	U	2.8	U	2.8	UJ	2.8	U
7440-22-4	Silver (Ag)	1.2	U	1.2	U	1.2	UJ	1.2	U	1.2	U	1.2	U
7440-23-5	Sodium (Na)	44100.		9950.	U	135000.		12000.		10700.	UJ	12900.	
7440-28-0	Thallium (Tl)	5.8	U	2.7	UJ	2.7	UJ	3.4	U	2.7	U	2.7	UJ
7440-31-5	Tin (Sn)	2.6	U	2.6	U	2.6	UJ	2.6	U	2.6	U	2.6	UJ
7440-62-2	Vanadium (V)	0.5	UJ	0.5	U	0.5	UJ	0.58	J	3.4	U	0.5	UJ
7440-66-6	Zinc (Zn)	5.3	U	6.9	U	5.3	U	5.3	U	12.5	U	5.3	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-META						
SAMPLE ID ------->	047-G-W015-02	047-G-W015-03	047-G-W015-04	510-G-W001-02	510-G-W001-03	510-G-W001-04
ORIGINAL ID ----->	047GW01502	047GW01503	047GW01504	510GW00102	510GW00103	510GW00104
LAB SAMPLE ID --->	24583.02	25568.05	26028.02	24536.03	25568.03	26028.03
ID FROM REPORT -->	047GW01502	047GW01503	047GW01504	510GW00102	510GW00103	510GW00104
SAMPLE DATE ----->	01/25/96	05/10/96	06/14/96	01/19/96	05/10/96	06/14/96
DATE EXTRACTED -->	01/30/96	05/16/96	06/28/96	01/22/96	05/16/96	06/28/96
DATE ANALYZED --->	02/06/96	05/31/96	07/04/96	01/25/96	05/31/96	07/04/96
MATRIX ---------->	Water	Water	Water	Water	Water	Water
UNITS ----------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	24561	VAL	25568	VAL	25997	VAL	24514	VAL	25568	VAL	25997	VAL
7429-90-5	Aluminum (Al)	159.	J	135.	U	150.		199.		812.		1870.	
7440-36-0	Antimony (Sb)	2.1	U	2.1	UJ	2.1	U	2.1	U	2.1	UJ	2.1	U
7440-38-2	Arsenic (As)	6.5	J	4.5	J	6.1	UJ	2.5	UJ	2.5	UJ	2.8	UJ
7440-39-3	Barium (Ba)	30.5		32.3	U	32.8		24.1		30.1	U	35.2	
7440-41-7	Beryllium (Be)	0.34	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
7440-43-9	Cadmium (Cd)	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
7440-70-2	Calcium (Ca)	68600.		68100.		66700.		9160.	J	9940.	U	8080.	
7440-47-3	Chromium (Cr)	2.8	J	2.3	U	1.4	J	0.8	U	2.2	U	1.1	J
7440-48-4	Cobalt (Co)	1.	J	0.9	U	5.2	U	0.9	U	0.9	U	5.2	U
7440-50-8	Copper (Cu)	2.7	UJ	0.64	U	0.92	U	0.71	UJ	0.85	U	0.71	U
7439-89-6	Iron (Fe)	31400.		29100.		29000.		32.	U	114.		215.	
7439-92-1	Lead (Pb)	1.7	U	2.6	J	1.7	U	1.7	U	1.7	U	1.7	U
7439-95-4	Magnesium (Mg)	25500.		22600.		23300.		1040.		1380.		1270.	
7439-96-5	Manganese (Mn)	630.		608.		637.		3.4	J	3.5	U	3.7	J
7439-97-6	Mercury (Hg)	0.1	U	0.1	U	0.1	U	0.1	U	0.21	U	0.1	U
7440-02-0	Nickel (Ni)	1.7	J	0.98	U	1.2	UJ	0.8	U	0.8	U	0.8	UJ
7440-09-7	Potassium (K)	13300.		10600.		11200.		2800.	U	3160.	U	3430.	J
7782-49-2	Selenium (Se)	2.8	U	2.8	UJ	2.8	U	2.8	UJ	2.8	UJ	2.8	U
7440-22-4	Silver (Ag)	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U
7440-23-5	Sodium (Na)	40200.		27600.	UJ	32500.		2250.	J	2310.	UJ	2650.	
7440-28-0	Thallium (Tl)	2.7	U	2.8	J	2.7	UJ	2.7	U	2.7	U	2.7	UJ
7440-31-5	Tin (Sn)	2.6	U	2.6	U	2.6	UJ	2.6	U	2.6	U	2.6	UJ
7440-62-2	Vanadium (V)	5.6		5.4	J	3.1	J	0.67	J	3.4	U	0.5	UJ
7440-66-6	Zinc (Zn)	5.3	U	13.6	U	5.3	U	5.3	U	9.4	U	5.3	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-META	SAMPLE ID ------->	510-G-W002-02	510-G-W002-03	510-G-W002-04	523-G-W001-02	523-G-W001-03	523-G-W001-04
	ORIGINAL ID ----->	510GW00202	510GW00203	510GW00204	523GW00102	523GW00103	523GW00104
	LAB SAMPLE ID --->	24536.04	25568.02	26028.04	24543.03	25597.01	26046.01
	ID FROM REPORT -->	510GW00202	510GW00203	510GW00204	523GW00102	523GW00103	523GW00104
	SAMPLE DATE ----->	01/19/96	05/10/96	06/14/96	01/22/96	05/13/96	06/17/96
	DATE EXTRACTED -->	01/22/96	05/16/96	06/28/96	01/24/96	05/21/96	06/30/96
	DATE ANALYZED --->	01/25/96	05/31/96	07/04/96	01/26/96	05/31/96	07/03/96
	MATRIX ---------->	Water	Water	Water	Water	Water	Water
	UNITS ----------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	24514	VAL	25568	VAL	25997	VAL	24514	VAL	25568	VAL	25997	VAL
7429-90-5	Aluminum (Al)	147.		493.	U	625.		371.		169.	U	728.	
7440-36-0	Antimony (Sb)	2.1	U	2.1	UJ	2.1	U	2.1	U	13.	UJ	2.1	U
7440-38-2	Arsenic (As)	2.5	UJ	2.5	UJ	3.1	UJ	6.	J	2.5	UJ	2.5	UJ
7440-39-3	Barium (Ba)	45.1		38.6	U	39.6		31.5		27.1	U	29.4	
7440-41-7	Beryllium (Be)	0.3	U	0.3	U	0.3	U	0.32	J	0.5	U	0.3	U
7440-43-9	Cadmium (Cd)	0.5	U	0.5	U	0.5	U	0.5	U	2.2	U	0.5	U
7440-70-2	Calcium (Ca)	11900.	J	7810.	U	7490.		25000.	J	21000.		23300.	
7440-47-3	Chromium (Cr)	0.8	U	2.2	U	0.8	UJ	0.8	U	2.2	U	0.88	J
7440-48-4	Cobalt (Co)	0.9	U	0.9	U	5.2	U	25.2		27.5		10.6	U
7440-50-8	Copper (Cu)	1.	UJ	1.2	U	4.4	U	2.3	UJ	3.8	U	1.6	U
7439-89-6	Iron (Fe)	36.2	J	96.	U	130.		9230.		9350.		8130.	
7439-92-1	Lead (Pb)	1.7	U	1.7	U	1.7	U	1.7	U	1.4	U	1.7	U
7439-95-4	Magnesium (Mg)	2480.		1810.		1720.		5170.		4850.		5130.	
7439-96-5	Manganese (Mn)	5.3		4.4	U	5.8	J	619.		785.		567.	
7439-97-6	Mercury (Hg)	0.1	U	0.29	U	0.1	U	0.1	U	0.1	U	0.1	U
7440-02-0	Nickel (Ni)	0.8	U	0.86	U	1.2	UJ	1.6	J	5.3	U	0.8	UJ
7440-09-7	Potassium (K)	4850.	U	3350.	U	3020.	J	3120.	U	2170.	U	3030.	J
7782-49-2	Selenium (Se)	2.8	UJ	2.8	U	2.8	U	2.8	UJ	2.8	UJ	2.8	U
7440-22-4	Silver (Ag)	1.2	U	1.2	U	1.2	U	1.2	U	3.4	U	1.2	U
7440-23-5	Sodium (Na)	12800.		2700.	UJ	2580.		9680.		9260.	UJ	12000.	
7440-28-0	Thallium (Tl)	2.7	U	2.7	U	2.7	UJ	2.7	U	4.3	J	2.7	UJ
7440-31-5	Tin (Sn)	2.6	U	2.8	U	2.6	UJ	2.6	U	6.2	U	2.6	UJ
7440-62-2	Vanadium (V)	0.55	J	NR		0.71	J	2.6	J	3.4	U	1.8	J
7440-66-6	Zinc (Zn)	5.3	U	11.7	U	10.6	J	15.6	J	14.1	U	12.9	J

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-META																	
	SAMPLE ID ------->	523-G-W002-02		523-G-W002-03		523-G-W002-04		GDC-G-W001-02		GDC-H-W001-02		GDC-G-W001-03	
	ORIGINAL ID ----->	523GW00202		523GW00203		523GW00204		GDCGW00102		GDCHW00102		GDCGW00103	
	LAB SAMPLE ID --->	24543.04		25597.02		26046.02		24543.01		24544.01		25504.03	
	ID FROM REPORT -->	523GW00202		523GW00203		523GW00204		GDCGW00102		GDCHW00102		GDCGW00103	
	SAMPLE DATE ----->	01/22/96		05/13/96		06/17/96		01/22/96		01/22/96		05/06/96	
	DATE EXTRACTED -->	01/24/96		05/21/96		06/30/96		01/24/96		01/24/96		05/16/96	
	DATE ANALYZED --->	01/26/96		05/31/96		07/03/96		01/26/96		01/26/96		05/30/96	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	24514	VAL	25568	VAL	25997	VAL	24514	VAL	24514	VAL	25504	VAL
7429-90-5	Aluminum (Al)	48.7	J	197.	U	31.1	J	272.		288.		317.	U
7440-36-0	Antimony (Sb)	2.1	U	13.	UJ	2.6	U	2.1	U	2.2	U	13.	U
7440-38-2	Arsenic (As)	21.1		10.5	J	10.8	UJ	3.9	J	3.2	J	3.2	J
7440-39-3	Barium (Ba)	8.1		8.6	U	4.4	J	4.6		4.3		5.7	U
7440-41-7	Beryllium (Be)	0.3	U	0.5	U	0.3	U	0.3	U	0.3	U	0.3	U
7440-43-9	Cadmium (Cd)	0.5	U	2.2	U	0.5	U	0.5	U	0.5	U	0.5	U
7440-70-2	Calcium (Ca)	24300.	J	22500.		20700.		27000.	J	27100.		27700.	
7440-47-3	Chromium (Cr)	0.88	J	2.2	U	0.8	UJ	0.8	U	1.5	J	2.2	U
7440-48-4	Cobalt (Co)	3.	J	5.2	U	5.2	U	0.9	U	0.9	U	5.2	U
7440-50-8	Copper (Cu)	1.6	UJ	3.8	U	1.2	U	1.6	UJ	1.5	J	1.4	UJ
7439-89-6	Iron (Fe)	2280.		1980.		1400.		288.		316.		416.	
7439-92-1	Lead (Pb)	1.7	U	1.4	U	1.7	U	1.7	U	1.7	U	1.7	U
7439-95-4	Magnesium (Mg)	3020.		3040.		2460.		722.		705.		756.	U
7439-96-5	Manganese (Mn)	138.		145.		117.		18.3		18.2		22.8	U
7439-97-6	Mercury (Hg)	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
7440-02-0	Nickel (Ni)	0.94	J	5.3	U	0.8	UJ	0.8	U	0.8	U	6.6	U
7440-09-7	Potassium (K)	3740.	U	1600.	U	1600.	U	2330.	U	1600.	U	1600.	U
7782-49-2	Selenium (Se)	2.8	UJ	2.8	UJ	2.8	U	2.8	UJ	2.8	U	2.8	U
7440-22-4	Silver (Ag)	1.2	U	3.4	U	1.2	U	1.2	U	1.5	J	1.7	U
7440-23-5	Sodium (Na)	3160.		934000.		2900.		3000.		2820.		3910.	U
7440-28-0	Thallium (Tl)	3.7	U	3.4	U	2.7	UJ	3.5	U	2.7	U	3.2	UJ
7440-31-5	Tin (Sn)	2.6	U	5.1	U	2.6	UJ	2.6	U	2.6	U	2.6	U
7440-62-2	Vanadium (V)	1.5	J	3.4	U	0.64	J	1.4	J	1.3	J	3.4	U
7440-66-6	Zinc (Zn)	5.3	U	7.9	U	5.3	U	5.3	U	5.3	U	20.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-META	SAMPLE ID ------->	GDC-H-W001-03	GDC-G-W001-04	GDC-H-W001-04	GDC-G-W002-02	GDC-G-W002-03	GDC-G-W002-04
	ORIGINAL ID ----->	GDCHW00103	GDCGW00104	GDCHW00104	GDCGW00202	GDCGW00203	GDCGW00204
	LAB SAMPLE ID --->	25505.01	25997.01	25998.01	24536.01	25513.03	26016.01
	ID FROM REPORT -->	GDCHW00103	GDCGW00104	GDCHW00104	GDCGW00202	GDCGW00203	GDCGW00204
	SAMPLE DATE ----->	05/06/96	06/12/96	06/12/96	01/19/96	05/07/96	06/13/96
	DATE EXTRACTED -->	05/16/96	06/30/96	06/30/96	01/22/96	05/16/96	06/28/96
	DATE ANALYZED --->	05/30/96	07/03/96	07/03/96	01/25/96	05/30/96	07/04/96
	MATRIX ---------->	Water	Water	Water	Water	Water	Water
	UNITS ---------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	25504	VAL	25997	VAL	25997	VAL	24514	VAL	25504	VAL	25997	VAL
7429-90-5	Aluminum (Al)	322.	U	392.		408.		18.	U	24.9	U	95.7	J
7440-36-0	Antimony (Sb)	13.	U	2.1	U	2.1	U	2.1	U	13.	U	2.1	U
7440-38-2	Arsenic (As)	3.5	J	2.8	UJ	4.3	J	5.6	J	2.5	UJ	15.	U
7440-39-3	Barium (Ba)	5.2	U	4.9	J	5.	J	16.4		13.1	U	14.1	
7440-41-7	Beryllium (Be)	0.3	U	0.3	U	0.3	U	0.36	J	0.3	U	0.3	U
7440-43-9	Cadmium (Cd)	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
7440-70-2	Calcium (Ca)	24700.		25700.		26500.		152000.	J	127000.		137000.	
7440-47-3	Chromium (Cr)	2.2	U	0.8	UJ	0.92	J	0.8	U	2.2	U	0.8	UJ
7440-48-4	Cobalt (Co)	5.2	U	5.2	U	5.2	U	1.6	J	5.2	U	5.2	U
7440-50-8	Copper (Cu)	1.4	U	4.5	U	5.	U	1.2	UJ	1.4	UJ	1.8	U
7439-89-6	Iron (Fe)	371.		785.		765.		1700.		1860.		4660.	
7439-92-1	Lead (Pb)	1.7	U	2.7	J	1.7	U	1.7	U	1.7	U	4.4	
7439-95-4	Magnesium (Mg)	642.	U	697.		713.		9250.		7390.		8990.	
7439-96-5	Manganese (Mn)	19.9	U	25.8		26.5		789.		368.		665.	
7439-97-6	Mercury (Hg)	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
7440-02-0	Nickel (Ni)	5.3	U	0.8	UJ	0.8	UJ	5.	J	11.6	U	3.6	UJ
7440-09-7	Potassium (K)	1600.	U	1600.	U	1600.	U	6710.	U	5420.	U	6400.	
7782-49-2	Selenium (Se)	2.8	U	2.8	U	2.8	U	2.8	UJ	2.8	U	2.8	U
7440-22-4	Silver (Ag)	1.3	U	1.2	UJ	1.2	UJ	1.2	U	1.2	U	1.2	UJ
7440-23-5	Sodium (Na)	2100.	UJ	2870.		2930.		9910.		9410.	U	11300.	
7440-28-0	Thallium (Tl)	4.3	UJ	2.7	UJ	2.7	UJ	2.7	U	2.7	UJ	2.7	UJ
7440-31-5	Tin (Sn)	2.6	U	2.6	UJ	2.6	UJ	2.6	U	2.6	U	2.6	UJ
7440-62-2	Vanadium (V)	4.	U	0.5	UJ	0.5	U	0.5	U	3.4	U	0.5	UJ
7440-66-6	Zinc (Zn)	6.9	U	5.3	U	5.3	U	5.6	J	9.4	U	14.6	J

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-META													
	SAMPLE ID ------>	GDC-G-W01D-02		GDC-G-W01D-03		GDC-G-W01D-04		GDC-G-W02D-02		GDC-G-W02D-03		GDC-G-W02D-04	
	ORIGINAL ID ----->	GDCGW01D02		GDCGW01D03		GDCGW01D04		GDCGW02D02		GDCGW02D03		GDCGW02D04	
	LAB SAMPLE ID --->	24543.02		25504.04		25997.02		24536.02		25513.04		26016.02	
	ID FROM REPORT -->	GDCGW01D02		GDCGW01D03		GDCGW01D04		GDCGW02D02		GDCGW02D03		GDCGW02D04	
	SAMPLE DATE ----->	01/22/96		05/06/96		06/12/96		01/19/96		05/07/96		06/13/96	
	DATE EXTRACTED -->	01/24/96		05/16/96		06/30/96		01/22/96		05/16/96		06/28/96	
	DATE ANALYZED --->	01/26/96		05/30/96		07/03/96		01/25/96		05/30/96		07/04/96	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	24514	VAL	25504	VAL	25997	VAL	24514	VAL	25504	VAL	25997	VAL
7429-90-5	Aluminum (Al)	18.	U	23.	U	18.1	J	18.	U	23.	U	18.	U
7440-36-0	Antimony (Sb)	2.1	U	13.	U	2.1	U	2.1	U	13.	U	2.1	U
7440-38-2	Arsenic (As)	2.5	UJ	2.5	UJ	2.5	UJ	2.5	UJ	2.5	UJ	2.7	UJ
7440-39-3	Barium (Ba)	11.6		11.4	U	12.8		70.4		56.8	U	54.5	
7440-41-7	Beryllium (Be)	0.3	U	0.3	U	0.3	U	0.33	J	0.3	U	0.3	U
7440-43-9	Cadmium (Cd)	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
7440-70-2	Calcium (Ca)	55400.	J	57500.		62800.		179000.	J	167000.		171000.	
7440-47-3	Chromium (Cr)	0.8	U	2.2	U	0.8	UJ	0.8	U	2.2	U	0.8	UJ
7440-48-4	Cobalt (Co)	0.9	U	5.2	U	5.2	U	0.9	U	5.2	U	5.2	U
7440-50-8	Copper (Cu)	0.6	UJ	3.9	UJ	0.75	U	0.81	UJ	1.4	UJ	0.89	U
7439-89-6	Iron (Fe)	485.		611.		788.		240.		213.		224.	
7439-92-1	Lead (Pb)	1.7	U	1.7	U	1.7	U	1.7	U	1.7	U	1.7	U
7439-95-4	Magnesium (Mg)	1900.		1930.		2190.		22400.		20000.		21600.	
7439-96-5	Manganese (Mn)	48.1		49.		54.6		123.		105.		105.	
7439-97-6	Mercury (Hg)	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
7440-02-0	Nickel (Ni)	0.8	U	7.9	U	0.8	UJ	0.8	U	5.3	U	1.3	UJ
7440-09-7	Potassium (K)	1650.	U	1600.	U	1600.	U	11200.		8210.	U	9700.	
7782-49-2	Selenium (Se)	2.8	UJ	3.3	U	2.8	U	2.8	UJ	2.8	U	2.8	U
7440-22-4	Silver (Ag)	1.2	U	1.2	U	1.2	UJ	1.2	U	1.2	U	1.2	UJ
7440-23-5	Sodium (Na)	8320.		7260.	U	9680.		243000.		221000.		213000.	
7440-28-0	Thallium (Tl)	2.7	U	2.7	UJ	2.7	UJ	2.7	U	2.7	UJ	2.7	UJ
7440-31-5	Tin (Sn)	2.6	U	2.6	U	2.6	UJ	2.6	U	2.6	U	2.6	UJ
7440-62-2	Vanadium (V)	0.5	U	3.4	U	0.5	UJ	0.5	U	3.4	U	0.5	UJ
7440-66-6	Zinc (Zn)	5.3	U	40.2	U	5.3	U	5.3	U	6.9	U	5.3	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-PEST						
SAMPLE ID ------->	044-G-W001-02	044-G-W001-03	044-G-W001-04	044-G-W002-02	044-G-W002-03	044-G-W002-04
ORIGINAL ID ----->	044GW00102	044GW00103	044GW00104	044GW00202	044GW00203	044GW00204
LAB SAMPLE ID --->	24527.01	25504.01	25985.03	24527.02	25513.01	25931.01
ID FROM REPORT -->	044GW00102	044GW00103	044GW00104	044GW00202	044GW00203	044GW00204
SAMPLE DATE ----->	01/18/96	05/06/96	06/11/96	01/18/96	05/07/96	06/07/96
DATE EXTRACTED -->	01/22/96	05/08/96	06/16/96	01/22/96	05/09/96	06/10/96
DATE ANALYZED --->	01/25/96	05/19/96	06/25/96	01/23/96	05/22/96	06/18/96
MATRIX ---------->	Water	Water	Water	Water	Water	Water
UNITS ----------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	24514	VAL	25504	VAL	25931	VAL	24514	VAL	25504	VAL	25931	VAL
319-84-6	alpha-BHC	0.043	U	0.04	U	0.04	U	0.044	U	0.04	U	0.04	U
319-85-7	beta-BHC	0.043	U	0.04	U	0.04	U	0.044	U	0.04	U	0.04	U
58-89-9	gamma-BHC (Lindane)	0.043	U	0.04	U	0.04	U	0.044	U	0.04	U	0.04	U
319-86-8	delta-BHC	0.043	U	0.04	U	0.04	U	0.044	U	0.04	U	0.04	U
76-44-8	Heptachlor	0.043	U	0.04	U	0.04	U	0.044	U	0.04	U	0.04	U
309-00-2	Aldrin	0.043	U	0.04	U	0.04	U	0.044	U	0.04	U	0.04	U
1024-57-3	Heptachlor epoxide	0.043	U	0.04	U	0.04	U	0.044	U	0.04	U	0.04	U
959-98-8	Endosulfan I	0.043	U	0.04	U	0.04	U	0.044	U	0.04	U	0.04	U
72-55-9	4,4'-DDE	0.086	U	0.08	U	0.08	U	0.089	U	0.08	U	0.08	U
60-57-1	Dieldrin	0.086	U	0.08	U	0.08	U	0.089	U	0.08	U	0.08	U
72-20-8	Endrin	0.086	U	0.08	U	0.08	U	0.089	U	0.08	U	0.08	U
33213-65-9	Endosulfan II	0.086	U	0.08	U	0.08	U	0.089	U	0.08	U	0.08	U
72-54-8	4,4'-DDD	0.086	U	0.08	U	0.08	U	0.089	U	0.08	U	0.08	U
1031-07-8	Endosulfan sulfate	0.086	U	0.08	U	0.08	U	0.089	U	0.08	U	0.08	U
50-29-3	4,4'-DDT	0.086	U	0.08	U	0.08	U	0.089	U	0.08	U	0.08	UJ
7421-93-4	Endrin aldehyde	0.086	U	0.08	U	0.08	U	0.089	U	0.08	U	0.08	U
72-43-5	Methoxychlor	0.41	U	0.38	UJ	0.38	U	0.42	U	0.38	U	0.38	UJ
5103-71-9	alpha-Chlordane	0.043	U	0.04	U	0.04	U	0.044	U	0.04	U	0.04	U
5103-74-2	gamma-Chlordane	0.043	U	0.04	U	0.04	U	0.044	U	0.04	U	0.04	U
53494-70-5	Endrin ketone	0.086	U	0.08	U	0.08	U	0.089	U	0.08	U	0.08	U
8001-35-2	Toxaphene	2.7	U	2.5	U	2.5	U	2.8	U	2.5	U	2.5	U
12674-11-2	Aroclor-1016	1.1	U	1.	U	1.	U	1.1	U	1.	U	1.	U
11104-28-2	Aroclor-1221	1.1	U	1.	U	1.	U	1.1	U	1.	U	1.	U
11141-16-5	Aroclor-1232	1.1	U	1.	U	1.	U	1.1	U	1.	U	1.	U
53469-21-9	Aroclor-1242	1.1	U	1.	U	1.	U	1.1	U	1.	U	1.	U
12672-29-6	Aroclor-1248	1.1	U	1.	U	1.	U	1.1	U	1.	U	1.	U
11097-69-1	Aroclor-1254	2.2	U	2.	U	2.	U	2.2	U	2.	U	2.	U
11096-82-5	Aroclor-1260	2.2	U	2.	U	2.	U	2.2	U	2.	U	2.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-PEST						
SAMPLE ID ------->	044-G-W003-02	044-G-W003-03	044-G-W003-04	044-G-W004-02	044-H-W004-02	044-G-W004-03
ORIGINAL ID ----->	044GW00302	044GW00303	044GW00304	044GW00402	044HW00402	044GW00403
LAB SAMPLE ID --->	24514.03	25504.02	25931.02	24514.01	24514.02	25513.02
ID FROM REPORT -->	044GW00302	044GW00303	044GW00304	044GW00402	044HW00402	044GW00403
SAMPLE DATE ----->	01/17/96	05/06/96	06/07/96	01/17/96	01/17/96	05/07/96
DATE EXTRACTED -->	01/18/96	05/08/96	06/10/96	01/18/96	01/18/96	05/09/96
DATE ANALYZED --->	01/23/96	05/19/96	06/18/96	01/23/96	01/23/96	05/22/96
MATRIX ---------->	Water	Water	Water	Water	Water	Water
UNITS ----------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	24514	VAL	25504	VAL	25931	VAL	24514	VAL	24514	VAL	25504	VAL
319-84-6	alpha-BHC	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
319-85-7	beta-BHC	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
58-89-9	gamma-BHC (Lindane)	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
319-86-8	delta-BHC	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
76-44-8	Heptachlor	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
309-00-2	Aldrin	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
1024-57-3	Heptachlor epoxide	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
959-98-8	Endosulfan I	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
72-55-9	4,4'-DDE	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
60-57-1	Dieldrin	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
72-20-8	Endrin	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
33213-65-9	Endosulfan II	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
72-54-8	4,4'-DDD	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
1031-07-8	Endosulfan sulfate	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
50-29-3	4,4'-DDT	0.08	U	0.08	U	0.08	UJ	0.08	U	0.08	U	0.08	U
7421-93-4	Endrin aldehyde	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
72-43-5	Methoxychlor	0.38	U	0.38	UJ	0.38	UJ	0.38	U	0.38	U	0.38	U
5103-71-9	alpha-Chlordane	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
5103-74-2	gamma-Chlordane	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
53494-70-5	Endrin ketone	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
8001-35-2	Toxaphene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
12674-11-2	Aroclor-1016	1.	U	1.	U	1.	U	1.	U	1.	U	1.	U
11104-28-2	Aroclor-1221	1.	U	1.	U	1.	U	1.	U	1.	U	1.	U
11141-16-5	Aroclor-1232	1.	U	1.	U	1.	U	1.	U	1.	U	1.	U
53469-21-9	Aroclor-1242	1.	U	1.	U	1.	U	1.	U	1.	U	1.	U
12672-29-6	Aroclor-1248	1.	U	1.	U	1.	U	1.	U	1.	U	1.	U
11097-69-1	Aroclor-1254	2.	U	2.	U	2.	U	2.	U	2.	U	2.	U
11096-82-5	Aroclor-1260	2.	U	2.	U	2.	U	2.	U	2.	U	2.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-PEST						
SAMPLE ID ------->	044-G-W004-04	044-G-W005-02	044-G-W005-03	044-G-W005-04	044-G-W006-02	044-G-W006-03
ORIGINAL ID ----->	044GW00404	044GW00502	044GW00503	044GW00504	044GW00602	044GW00603
LAB SAMPLE ID --->	25931.03	24514.04	25558.01	25951.01	24514.05	25533.01
ID FROM REPORT -->	044GW00404	044GW00502	044GW00503	044GW00504	044GW00602	044GW00603
SAMPLE DATE ----->	06/07/96	01/17/96	05/09/96	06/10/96	01/17/96	05/08/96
DATE EXTRACTED -->	06/10/96	01/18/96	05/13/96	06/12/96	01/18/96	05/12/96
DATE ANALYZED --->	06/18/96	01/23/96	05/22/96	06/24/96	01/23/96	05/20/96
MATRIX ---------->	Water	Water	Water	Water	Water	Water
UNITS ----------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	25931	VAL	24514	VAL	25504	VAL	25931	VAL	24514	VAL	25504	VAL
319-84-6	alpha-BHC	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
319-85-7	beta-BHC	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
58-89-9	gamma-BHC (Lindane)	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
319-86-8	delta-BHC	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
76-44-8	Heptachlor	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
309-00-2	Aldrin	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
1024-57-3	Heptachlor epoxide	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
959-98-8	Endosulfan I	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
72-55-9	4,4'-DDE	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
60-57-1	Dieldrin	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
72-20-8	Endrin	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
33213-65-9	Endosulfan II	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
72-54-8	4,4'-DDD	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
1031-07-8	Endosulfan sulfate	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
50-29-3	4,4'-DDT	0.08	UJ	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
7421-93-4	Endrin aldehyde	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
72-43-5	Methoxychlor	0.38	UJ	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
5103-71-9	alpha-Chlordane	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
5103-74-2	gamma-Chlordane	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
53494-70-5	Endrin ketone	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
8001-35-2	Toxaphene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
12674-11-2	Aroclor-1016	1.	U	1.	U	1.	U	1.	U	1.	U	1.	U
11104-28-2	Aroclor-1221	1.	U	1.	U	1.	U	1.	U	1.	U	1.	U
11141-16-5	Aroclor-1232	1.	U	1.	U	1.	U	1.	U	1.	U	1.	U
53469-21-9	Aroclor-1242	1.	U	1.	U	1.	U	1.	U	1.	U	1.	U
12672-29-6	Aroclor-1248	1.	U	1.	U	1.	U	1.	U	1.	U	1.	U
11097-69-1	Aroclor-1254	2.	U	2.	U	2.	U	2.	U	2.	U	2.	U
11096-82-5	Aroclor-1260	2.	U	2.	U	2.	U	2.	U	2.	U	2.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-PEST						
SAMPLE ID ------->	044-G-W006-04	044-G-W007-02	044-G-W007-03	044-G-W007-04	044-G-W008-02	044-G-W008-03
ORIGINAL ID ----->	044GW00604	044GW00702	044GW00703	044GW00704	044GW00802	044GW00803
LAB SAMPLE ID --->	25985.01	24527.04	25568.01	25985.02	24527.03	25533.02
ID FROM REPORT -->	044GW00604	044GW00702	044GW00703	044GW00704	044GW00802	044GW00803
SAMPLE DATE ----->	06/11/96	01/18/96	05/10/96	06/11/96	01/18/96	05/08/96
DATE EXTRACTED -->	06/16/96	01/22/96	05/13/96	06/16/96	01/22/96	05/12/96
DATE ANALYZED --->	06/24/96	01/23/96	05/22/96	06/25/96	01/25/96	05/20/96
MATRIX ---------->	Water	Water	Water	Water	Water	Water
UNITS ---------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	25931	VAL	24514	VAL	25568	VAL	25931	VAL	24514	VAL	25504	VAL
319-84-6	alpha-BHC	0.04	U	0.045	U	0.04	U	0.04	U	0.042	U	0.04	U
319-85-7	beta-BHC	0.04	U	0.045	U	0.04	U	0.04	U	0.042	U	0.04	U
58-89-9	gamma-BHC (Lindane)	0.04	U	0.045	U	0.04	U	0.04	U	0.042	U	0.04	U
319-86-8	delta-BHC	0.04	U	0.045	U	0.04	U	0.04	U	0.042	U	0.04	U
76-44-8	Heptachlor	0.04	U	0.079		0.04	U	0.04	U	0.042	U	0.04	U
309-00-2	Aldrin	0.04	U	0.045	U	0.04	U	0.04	U	0.042	U	0.04	U
1024-57-3	Heptachlor epoxide	0.04	U	0.045	U	0.04	U	0.04	U	0.042	U	0.04	U
959-98-8	Endosulfan I	0.04	U	0.045	U	0.04	U	0.04	U	0.042	U	0.04	U
72-55-9	4,4'-DDE	0.08	U	0.091	U	0.08	U	0.08	U	0.085	U	0.08	U
60-57-1	Dieldrin	0.08	U	0.091	U	0.08	U	0.08	U	0.085	U	0.08	U
72-20-8	Endrin	0.08	U	0.091	U	0.08	U	0.08	U	0.085	U	0.08	U
33213-65-9	Endosulfan II	0.08	U	0.091	U	0.08	U	0.08	U	0.085	U	0.08	U
72-54-8	4,4'-DDD	0.08	U	0.091	U	0.08	U	0.08	U	0.085	U	0.08	U
1031-07-8	Endosulfan sulfate	0.08	U	0.091	U	0.08	U	0.08	U	0.085	U	0.08	U
50-29-3	4,4'-DDT	0.08	U	0.091	U	0.08	U	0.08	U	0.085	U	0.08	U
7421-93-4	Endrin aldehyde	0.08	U	0.091	U	0.08	U	0.08	U	0.085	U	0.08	U
72-43-5	Methoxychlor	0.38	U	0.43	U	0.38	U	0.38	U	0.4	U	0.38	U
5103-71-9	alpha-Chlordane	0.04	U	0.045	U	0.04	U	0.04	U	0.042	U	0.04	U
5103-74-2	gamma-Chlordane	0.04	U	0.045	U	0.04	U	0.04	U	0.042	U	0.04	U
53494-70-5	Endrin ketone	0.08	U	0.091	U	0.08	U	0.08	U	0.085	U	0.08	U
8001-35-2	Toxaphene	2.5	U	2.8	U	2.5	U	2.5	U	2.6	U	2.5	U
12674-11-2	Aroclor-1016	1.	U	1.1	U	1.	U	1.	U	1.1	U	1.	U
11104-28-2	Aroclor-1221	1.	U	1.1	U	1.	U	1.	U	1.1	U	1.	U
11141-16-5	Aroclor-1232	1.	U	1.1	U	1.	U	1.	U	1.1	U	1.	U
53469-21-9	Aroclor-1242	1.	U	1.1	U	1.	U	1.	U	1.1	U	1.	U
12672-29-6	Aroclor-1248	1.	U	1.1	U	1.	U	1.	U	1.1	U	1.	U
11097-69-1	Aroclor-1254	2.	U	2.3	U	2.	U	2.	U	2.1	U	2.	U
11096-82-5	Aroclor-1260	2.	U	2.3	U	2.	U	2.	U	2.1	U	2.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-PEST						
SAMPLE ID ------->	044-G-W008-04	044-G-W008-05	047-G-W001-02	047-G-W001-03	047-G-W001-04	047-G-W002-02
ORIGINAL ID ----->	044GW00804	044GW00805	047GW00102	047GW00103	047GW00104	047GW00202
LAB SAMPLE ID --->	25997.03	30339.08	24583.03	25558.02	25931.04	24583.06
ID FROM REPORT -->	044GW00804	044GW00805	047GW00102	047GW00103	047GW00104	047GW00202
SAMPLE DATE ----->	06/12/96	07/28/97	01/25/96	05/09/96	06/07/96	01/25/96
DATE EXTRACTED -->	06/16/96	07/30/97	01/26/96	05/13/96	06/10/96	01/26/96
DATE ANALYZED --->	06/25/96	08/06/97	01/31/96	05/22/96	06/18/96	01/31/96
MATRIX ---------->	Water	Water	Water	Water	Water	Water
UNITS ----------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	25997	VAL	30257	VAL	24561	VAL	25504	VAL	25931	VAL	24561	VAL
319-84-6	alpha-BHC	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
319-85-7	beta-BHC	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
58-89-9	gamma-BHC (Lindane)	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
319-86-8	delta-BHC	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
76-44-8	Heptachlor	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
309-00-2	Aldrin	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
1024-57-3	Heptachlor epoxide	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
959-98-8	Endosulfan I	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
72-55-9	4,4'-DDE	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
60-57-1	Dieldrin	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
72-20-8	Endrin	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
33213-65-9	Endosulfan II	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
72-54-8	4,4'-DDD	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
1031-07-8	Endosulfan sulfate	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
50-29-3	4,4'-DDT	0.08	U	0.08	U	0.08	U	0.08	U	0.08	UJ	0.08	U
7421-93-4	Endrin aldehyde	0.08	U	0.08	U	0.08	U	0.08	UJ	0.08	U	0.08	U
72-43-5	Methoxychlor	0.38	U	0.38	U	0.38	U	0.38	U	0.38	UJ	0.38	U
5103-71-9	alpha-Chlordane	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
5103-74-2	gamma-Chlordane	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
53494-70-5	Endrin ketone	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
8001-35-2	Toxaphene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
12674-11-2	Aroclor-1016	1.	U	1.	U	1.	U	1.	U	1.	U	1.	U
11104-28-2	Aroclor-1221	1.	U	1.	U	1.	U	1.	U	1.	U	1.	U
11141-16-5	Aroclor-1232	1.	U	1.	U	1.	U	1.	U	1.	U	1.	U
53469-21-9	Aroclor-1242	1.	U	1.	U	1.	U	1.	U	1.	U	1.	U
12672-29-6	Aroclor-1248	1.	U	1.	U	1.	U	1.	U	1.	U	1.	U
11097-69-1	Aroclor-1254	2.	U	2.	U	2.	U	2.	U	2.	U	2.	U
11096-82-5	Aroclor-1260	2.	U	2.	U	2.	U	2.	U	2.	U	2.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-PEST						
SAMPLE ID ------->	047-G-W002-03	047-G-W002-04	047-G-W003-02	047-G-W003-03	047-G-W003-04	047-G-W004-02
ORIGINAL ID ----->	047GW00203	047GW00204	047GW00302	047GW00303	047GW00304	047GW00402
LAB SAMPLE ID --->	25533.03	25931.07	24578.04	25533.04	25951.02	24583.01
ID FROM REPORT -->	047GW00203	047GW00204	047GW00302	047GW00303	047GW00304	047GW00402
SAMPLE DATE ----->	05/08/96	06/07/96	01/24/96	05/08/96	06/10/96	01/25/96
DATE EXTRACTED -->	05/12/96	06/10/96	01/26/96	05/12/96	06/12/96	01/26/96
DATE ANALYZED --->	05/20/96	06/18/96	02/01/96	05/20/96	06/24/96	01/31/96
MATRIX ---------->	Water	Water	Water	Water	Water	Water
UNITS ----------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	25504	VAL	25931	VAL	24561	VAL	25504	VAL	25931	VAL	24561	VAL
319-84-6	alpha-BHC	0.04	U	0.04	U	0.044	U	0.04	U	0.04	U	0.04	U
319-85-7	beta-BHC	0.04	U	0.04	U	0.044	UJ	0.04	U	0.04	U	0.04	U
58-89-9	gamma-BHC (Lindane)	0.04	U	0.04	U	0.044	U	0.04	U	0.04	U	0.04	U
319-86-8	delta-BHC	0.04	U	0.04	U	0.044	U	0.04	U	0.04	U	0.04	U
76-44-8	Heptachlor	0.04	U	0.04	U	0.044	U	0.04	U	0.04	U	0.04	U
309-00-2	Aldrin	0.04	U	0.04	U	0.044	U	0.04	U	0.04	U	0.04	U
1024-57-3	Heptachlor epoxide	0.04	U	0.04	U	0.044	U	0.04	U	0.04	U	0.04	U
959-98-8	Endosulfan I	0.04	U	0.04	U	0.044	U	0.04	U	0.04	U	0.04	U
72-55-9	4,4'-DDE	0.08	U	0.08	U	0.089	U	0.08	U	0.08	U	0.08	U
60-57-1	Dieldrin	0.08	U	0.08	U	0.089	U	0.08	U	0.08	U	0.08	U
72-20-8	Endrin	0.08	U	0.08	U	0.089	U	0.08	U	0.08	U	0.08	U
33213-65-9	Endosulfan II	0.08	U	0.08	U	0.089	U	0.08	U	0.08	U	0.08	U
72-54-8	4,4'-DDD	0.08	U	0.08	U	0.089	U	0.08	U	0.08	U	0.08	U
1031-07-8	Endosulfan sulfate	0.08	U	0.08	U	0.089	U	0.08	U	0.08	U	0.08	U
50-29-3	4,4'-DDT	0.08	U	0.08	UJ	0.089	U	0.08	U	0.08	U	0.08	U
7421-93-4	Endrin aldehyde	0.08	U	0.08	U	0.089	U	0.08	U	0.08	U	0.08	U
72-43-5	Methoxychlor	0.38	U	0.38	UJ	0.42	U	0.38	U	0.38	U	0.38	U
5103-71-9	alpha-Chlordane	0.04	U	0.04	U	0.044	U	0.04	U	0.04	U	0.04	U
5103-74-2	gamma-Chlordane	0.04	U	0.04	U	0.044	U	0.04	U	0.04	U	0.04	U
53494-70-5	Endrin ketone	0.08	U	0.08	U	0.089	U	0.08	U	0.08	U	0.08	U
8001-35-2	Toxaphene	2.5	U	2.5	U	2.8	U	2.5	U	2.5	U	2.5	U
12674-11-2	Aroclor-1016	1.	U	1.	U	1.1	U	1.	U	1.	U	1.	U
11104-28-2	Aroclor-1221	1.	U	1.	U	1.1	U	1.	U	1.	U	1.	U
11141-16-5	Aroclor-1232	1.	U	1.	U	1.1	U	1.	U	1.	U	1.	U
53469-21-9	Aroclor-1242	1.	U	1.	U	1.1	U	1.	U	1.	U	1.	U
12672-29-6	Aroclor-1248	1.	U	1.	U	1.1	U	1.	U	1.	U	1.	U
11097-69-1	Aroclor-1254	2.	U	2.	U	2.2	U	2.	U	2.	U	2.	U
11096-82-5	Aroclor-1260	2.	U	2.	U	2.2	U	2.	U	2.	U	2.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-PEST													
	SAMPLE ID ------->	047-G-W004-03		047-G-W004-04		047-G-W005-02		047-G-W005-03		047-G-W005-04		047-G-W006-02	
	ORIGINAL ID ----->	047GW00403		047GW00404		047GW00502		047GW00503		047GW00504		047GW00602	
	LAB SAMPLE ID --->	25597.03		25951.03		24578.01		25597.04		25951.04		24578.02	
	ID FROM REPORT -->	047GW00403		047GW00404		047GW00502		047GW00503		047GW00504		047GW00602	
	SAMPLE DATE ----->	05/13/96		06/10/96		01/24/96		05/13/96		06/10/96		01/24/96	
	DATE EXTRACTED -->	05/15/96		06/12/96		01/26/96		05/15/96		06/12/96		01/26/96	
	DATE ANALYZED --->	05/21/96		06/24/96		01/31/96		05/21/96		06/24/96		02/01/96	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ----------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	25568	VAL	25931	VAL	24561	VAL	25568	VAL	25931	VAL	24561	VAL
319-84-6	alpha-BHC	0.04	UJ	0.04	U	0.043	U	0.04	UJ	0.04	U	0.045	U
319-85-7	beta-BHC	0.04	U	0.04	U	0.043	UJ	0.04	U	0.04	U	0.045	UJ
58-89-9	gamma-BHC (Lindane)	0.04	U	0.04	U	0.043	U	0.04	U	0.04	U	0.045	U
319-86-8	delta-BHC	0.04	U	0.04	U	0.043	U	0.04	U	0.04	U	0.045	U
76-44-8	Heptachlor	0.04	U	0.04	U	0.043	U	0.04	U	0.04	U	0.045	U
309-00-2	Aldrin	0.04	U	0.04	U	0.043	U	0.04	U	0.04	U	0.045	U
1024-57-3	Heptachlor epoxide	0.04	U	0.04	U	0.043	U	0.04	U	0.04	U	0.045	U
959-98-8	Endosulfan I	0.04	U	0.04	U	0.043	U	0.04	U	0.04	U	0.045	U
72-55-9	4,4'-DDE	0.08	U	0.08	U	0.086	U	0.08	U	0.08	U	0.09	U
60-57-1	Dieldrin	0.08	U	0.08	U	0.086	U	0.08	U	0.08	U	0.09	U
72-20-8	Endrin	0.08	U	0.08	U	0.086	U	0.08	U	0.08	U	0.09	U
33213-65-9	Endosulfan II	0.08	U	0.08	U	0.086	U	0.08	U	0.08	U	0.09	U
72-54-8	4,4'-DDD	0.08	U	0.08	U	0.086	U	0.08	U	0.08	U	0.09	U
1031-07-8	Endosulfan sulfate	0.08	U	0.08	U	0.086	U	0.08	U	0.08	U	0.09	U
50-29-3	4,4'-DDT	0.08	U	0.08	U	0.086	U	0.08	UJ	0.08	U	0.09	U
7421-93-4	Endrin aldehyde	0.08	UJ	0.08	U	0.086	U	0.08	U	0.08	U	0.09	U
72-43-5	Methoxychlor	0.38	U	0.38	U	0.41	U	0.38	U	0.38	U	0.43	U
5103-71-9	alpha-Chlordane	0.04	U	0.04	U	0.043	U	0.04	U	0.04	U	0.045	U
5103-74-2	gamma-Chlordane	0.04	U	0.04	U	0.043	U	0.04	U	0.04	U	0.045	U
53494-70-5	Endrin ketone	0.08	U	0.08	U	0.086	U	0.08	U	0.08	U	0.09	U
8001-35-2	Toxaphene	2.5	U	2.5	U	2.7	U	2.5	U	2.5	U	2.8	U
12674-11-2	Aroclor-1016	1.	U	1.	U	1.1	U	1.	U	1.	U	1.1	U
11104-28-2	Aroclor-1221	1.	U	1.	U	1.1	U	1.	U	1.	U	1.1	U
11141-16-5	Aroclor-1232	1.	U	1.	U	1.1	U	1.	U	1.	U	1.1	U
53469-21-9	Aroclor-1242	1.	U	1.	U	1.1	U	1.	U	1.	U	1.1	U
12672-29-6	Aroclor-1248	1.	U	1.	U	1.1	U	1.	U	1.	U	1.1	U
11097-69-1	Aroclor-1254	2.	U	2.	U	2.1	U	2.	U	2.	U	2.2	U
11096-82-5	Aroclor-1260	2.	U	2.	U	2.1	U	2.	U	2.	U	2.2	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-PEST												
	SAMPLE ID ------>	047-G-W006-03		047-G-W006-04		047-G-W007-02		047-G-W007-03		047-G-W007-04		047-G-W008-02	
	ORIGINAL ID ----->	047GW00603		047GW00604		047GW00702		047GW00703		047GW00704		047GW00802	
	LAB SAMPLE ID --->	25606.03		25985.04		24583.08		25606.04		25985.05		24583.07	
	ID FROM REPORT -->	047GW00603		047GW00604		047GW00702		047GW00703		047GW00704		047GW00802	
	SAMPLE DATE ----->	05/14/96		06/11/96		01/25/96		05/14/96		06/11/96		01/25/96	
	DATE EXTRACTED -->	05/16/96		06/16/96		01/26/96		05/16/96		06/16/96		01/26/96	
	DATE ANALYZED --->	05/21/96		06/25/96		01/31/96		05/21/96		06/25/96		01/31/96	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	25568	VAL	25931	VAL	24561	VAL	25568	VAL	25931	VAL	24561	VAL
319-84-6	alpha-BHC	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
319-85-7	beta-BHC	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
58-89-9	gamma-BHC (Lindane)	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
319-86-8	delta-BHC	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
76-44-8	Heptachlor	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
309-00-2	Aldrin	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
1024-57-3	Heptachlor epoxide	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
959-98-8	Endosulfan I	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
72-55-9	4,4'-DDE	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
60-57-1	Dieldrin	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
72-20-8	Endrin	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
33213-65-9	Endosulfan II	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
72-54-8	4,4'-DDD	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
1031-07-8	Endosulfan sulfate	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
50-29-3	4,4'-DDT	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
7421-93-4	Endrin aldehyde	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
72-43-5	Methoxychlor	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
5103-71-9	alpha-Chlordane	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
5103-74-2	gamma-Chlordane	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
53494-70-5	Endrin ketone	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
8001-35-2	Toxaphene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
12674-11-2	Aroclor-1016	1.	U	1.	U	1.	U	1.	U	1.	U	1.	U
11104-28-2	Aroclor-1221	1.	U	1.	U	1.	U	1.	U	1.	U	1.	U
11141-16-5	Aroclor-1232	1.	U	1.	U	1.	U	1.	U	1.	U	1.	U
53469-21-9	Aroclor-1242	1.	U	1.	U	1.	U	1.	U	1.	U	1.	U
12672-29-6	Aroclor-1248	1.	U	1.	U	1.	U	1.	U	1.	U	1.	U
11097-69-1	Aroclor-1254	2.	U	2.	U	2.	U	2.	U	2.	U	2.	U
11096-82-5	Aroclor-1260	2.	U	2.	U	2.	U	2.	U	2.	U	2.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-PEST													
	SAMPLE ID ------>	047-G-W008-03		047-G-W008-04		047-G-W009-02		047-G-W009-03		047-G-W009-04		047-G-W010-02	
	ORIGINAL ID ----->	047GW00803		047GW00804		047GW00902		047GW00903		047GW00904		047GW01002	
	LAB SAMPLE ID --->	25625.01		25997.04		24593.01		25625.02		25997.05		24583.10	
	ID FROM REPORT -->	047GW00803		047GW00804		047GW00902		047GW00903		047GW00904		047GW01002	
	SAMPLE DATE ----->	05/15/96		06/12/96		01/26/96		05/15/96		06/12/96		01/25/96	
	DATE EXTRACTED -->	05/17/96		06/16/96		01/29/96		05/17/96		06/16/96		01/26/96	
	DATE ANALYZED --->	05/21/96		06/25/96		02/01/96		05/21/96		06/25/96		01/31/96	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	25568	VAL	25997	VAL	24593	VAL	25568	VAL	25997	VAL	24561	VAL
319-84-6	alpha-BHC	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
319-85-7	beta-BHC	0.04	U	0.04	U	0.04	UJ	0.04	U	0.04	U	0.04	U
58-89-9	gamma-BHC (Lindane)	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
319-86-8	delta-BHC	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
76-44-8	Heptachlor	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
309-00-2	Aldrin	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
1024-57-3	Heptachlor epoxide	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
959-98-8	Endosulfan I	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
72-55-9	4,4'-DDE	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
60-57-1	Dieldrin	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
72-20-8	Endrin	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
33213-65-9	Endosulfan II	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
72-54-8	4,4'-DDD	0.08	UJ	0.08	U	0.08	U	0.08	UJ	0.08	U	0.08	U
1031-07-8	Endosulfan sulfate	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
50-29-3	4,4'-DDT	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
7421-93-4	Endrin aldehyde	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
72-43-5	Methoxychlor	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
5103-71-9	alpha-Chlordane	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
5103-74-2	gamma-Chlordane	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
53494-70-5	Endrin ketone	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
8001-35-2	Toxaphene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
12674-11-2	Aroclor-1016	1.	U	1.	U	1.	U	1.	U	1.	U	1.	U
11104-28-2	Aroclor-1221	1.	U	1.	U	1.	U	1.	U	1.	U	1.	U
11141-16-5	Aroclor-1232	1.	U	1.	U	1.	U	1.	U	1.	U	1.	U
53469-21-9	Aroclor-1242	1.	U	1.	U	1.	U	1.	U	1.	U	1.	U
12672-29-6	Aroclor-1248	1.	U	1.	U	1.	U	1.	U	1.	U	1.	U
11097-69-1	Aroclor-1254	2.	U	2.	U	2.	U	2.	U	2.	U	2.	U
11096-82-5	Aroclor-1260	2.	U	2.	U	2.	U	2.	U	2.	U	2.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-PEST													
	SAMPLE ID ------>	047-G-W010-03		047-G-W010-04		047-G-W011-02		047-G-W011-03		047-G-W011-04		047-G-W012-02	
	ORIGINAL ID ----->	047GW01003		047GW01004		047GW01102		047GW01103		047GW01104		047GW01202	
	LAB SAMPLE ID --->	25606.01		25997.06		24561.01		25606.02		26016.03		24561.02	
	ID FROM REPORT -->	047GW01003		047GW01004		047GW01102		047GW01103		047GW01104		047GW01202	
	SAMPLE DATE ----->	05/14/96		06/12/96		01/23/96		05/14/96		06/13/96		01/23/96	
	DATE EXTRACTED -->	05/16/96		06/16/96		01/24/96		05/16/96		06/17/96		01/24/96	
	DATE ANALYZED --->	05/21/96		06/25/96		01/26/96		05/21/96		06/28/96		01/26/96	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ----------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	25568	VAL	25997	VAL	24561	VAL	25568	VAL	25997	VAL	24561	VAL
319-84-6	alpha-BHC	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
319-85-7	beta-BHC	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
58-89-9	gamma-BHC (Lindane)	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
319-86-8	delta-BHC	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
76-44-8	Heptachlor	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
309-00-2	Aldrin	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
1024-57-3	Heptachlor epoxide	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
959-98-8	Endosulfan I	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
72-55-9	4,4'-DDE	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
60-57-1	Dieldrin	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
72-20-8	Endrin	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
33213-65-9	Endosulfan II	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
72-54-8	4,4'-DDD	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
1031-07-8	Endosulfan sulfate	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
50-29-3	4,4'-DDT	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
7421-93-4	Endrin aldehyde	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
72-43-5	Methoxychlor	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
5103-71-9	alpha-Chlordane	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
5103-74-2	gamma-Chlordane	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
53494-70-5	Endrin ketone	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
8001-35-2	Toxaphene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
12674-11-2	Aroclor-1016	1.	U	1.	U	1.	U	1.	U	1.	U	1.	U
11104-28-2	Aroclor-1221	1.	U	1.	U	1.	U	1.	U	1.	U	1.	U
11141-16-5	Aroclor-1232	1.	U	1.	U	1.	U	1.	U	1.	U	1.	U
53469-21-9	Aroclor-1242	1.	U	1.	U	1.	U	1.	U	1.	U	1.	U
12672-29-6	Aroclor-1248	1.	U	1.	U	1.	U	1.	U	1.	U	1.	U
11097-69-1	Aroclor-1254	2.	U	2.	U	2.	U	2.	U	2.	U	2.	U
11096-82-5	Aroclor-1260	2.	U	2.	U	2.	U	2.	U	2.	U	2.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-PEST						
SAMPLE ID ------->	047-G-W012-03	047-G-W012-04	047-G-W013-02	047-G-W013-03	047-G-W013-04	047-G-W015-02
ORIGINAL ID ----->	047GW01203	047GW01204	047GW01302	047GW01303	047GW01304	047GW01502
LAB SAMPLE ID --->	25558.05	26016.04	24578.03	25568.04	26028.01	24583.02
ID FROM REPORT -->	047GW01203	047GW01204	047GW01302	047GW01303	047GW01304	047GW01502
SAMPLE DATE ----->	05/09/96	06/13/96	01/24/96	05/10/96	06/14/96	01/25/96
DATE EXTRACTED -->	05/13/96	06/17/96	01/26/96	05/13/96	06/17/96	01/26/96
DATE ANALYZED --->	05/22/96	06/28/96	02/01/96	05/22/96	06/28/96	01/31/96
MATRIX ---------->	Water	Water	Water	Water	Water	Water
UNITS ----------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	25504	VAL	25997	VAL	24561	VAL	25568	VAL	25997	VAL	24561	VAL
319-84-6	alpha-BHC	0.04	U	0.04	U	0.045	U	0.04	U	0.04	U	0.04	U
319-85-7	beta-BHC	0.04	U	0.04	U	0.045	UJ	0.04	U	0.04	U	0.04	U
58-89-9	gamma-BHC (Lindane)	0.04	U	0.04	U	0.045	U	0.04	U	0.04	U	0.04	U
319-86-8	delta-BHC	0.04	U	0.04	U	0.045	U	0.04	U	0.04	U	0.04	U
76-44-8	Heptachlor	0.04	U	0.04	U	0.045	U	0.04	U	0.04	U	0.04	U
309-00-2	Aldrin	0.04	U	0.04	U	0.045	U	0.04	U	0.04	U	0.04	U
1024-57-3	Heptachlor epoxide	0.04	U	0.04	U	0.045	U	0.04	U	0.04	U	0.04	U
959-98-8	Endosulfan I	0.04	U	0.04	U	0.045	U	0.04	U	0.04	U	0.04	U
72-55-9	4,4'-DDE	0.08	U	0.08	U	0.089	U	0.08	U	0.08	U	0.08	U
60-57-1	Dieldrin	0.08	U	0.08	U	0.089	U	0.08	U	0.08	U	0.08	U
72-20-8	Endrin	0.08	U	0.08	U	0.089	U	0.08	U	0.08	U	0.08	U
33213-65-9	Endosulfan II	0.08	U	0.08	U	0.089	U	0.08	U	0.08	U	0.08	U
72-54-8	4,4'-DDD	0.08	U	0.08	U	0.089	U	0.08	U	0.08	U	0.08	U
1031-07-8	Endosulfan sulfate	0.08	U	0.08	U	0.089	U	0.08	U	0.08	U	0.08	U
50-29-3	4,4'-DDT	0.08	U	0.08	U	0.089	U	0.08	U	0.08	U	0.08	U
7421-93-4	Endrin aldehyde	0.08	U	0.08	U	0.089	U	0.08	U	0.08	U	0.08	U
72-43-5	Methoxychlor	0.38	U	0.38	U	0.42	U	0.38	U	0.38	U	0.38	U
5103-71-9	alpha-Chlordane	0.04	U	0.04	U	0.045	U	0.04	U	0.04	U	0.04	U
5103-74-2	gamma-Chlordane	0.04	U	0.04	U	0.045	U	0.04	U	0.04	U	0.04	U
53494-70-5	Endrin ketone	0.08	U	0.08	U	0.089	U	0.08	U	0.08	U	0.08	U
8001-35-2	Toxaphene	2.5	U	2.5	U	2.8	U	2.5	U	2.5	U	2.5	U
12674-11-2	Aroclor-1016	1.	U	1.	U	1.1	U	1.	U	1.	U	1.	U
11104-28-2	Aroclor-1221	1.	U	1.	U	1.1	U	1.	U	1.	U	1.	U
11141-16-5	Aroclor-1232	1.	U	1.	U	1.1	U	1.	U	1.	U	1.	U
53469-21-9	Aroclor-1242	1.	U	1.	U	1.1	U	1.	U	1.	U	1.	U
12672-29-6	Aroclor-1248	1.	U	1.	U	1.1	U	1.	U	1.	U	1.	U
11097-69-1	Aroclor-1254	2.	U	2.	U	2.2	U	2.	U	2.	U	2.	U
11096-82-5	Aroclor-1260	2.	U	2.	U	2.2	U	2.	U	2.	U	2.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-PEST							
SAMPLE ID ------->	047-G-W015-03	047-G-W015-04	508-G-W003-01	511-G-W002-01	512-G-W002-01	512-G-W003-01
ORIGINAL ID ----->	047GW01503	047GW01504	508GW00301	511GW00201	512GW00201	512GW00301
LAB SAMPLE ID --->	25568.05	26028.02	30644.02	30644.04	30644.01	30644.03
ID FROM REPORT -->	047GW01503	047GW01504	508GW00301	511GW00201	512GW00201	512GW00301
SAMPLE DATE ----->	05/10/96	06/14/96	08/14/97	08/14/97	08/14/97	08/14/97
DATE EXTRACTED -->	05/13/96	06/17/96	08/16/97	08/16/97	08/16/97	08/16/97
DATE ANALYZED --->	05/22/96	06/28/96	08/20/97	08/20/97	08/20/97	08/20/97
MATRIX ---------->	Water	Water	Water	Water	Water	Water
UNITS ---------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	25568	VAL	25997	VAL	30644		30644		30644		30644	
319-84-6	alpha-BHC	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
319-85-7	beta-BHC	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
58-89-9	gamma-BHC (Lindane)	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
319-86-8	delta-BHC	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
76-44-8	Heptachlor	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
309-00-2	Aldrin	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
1024-57-3	Heptachlor epoxide	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
959-98-8	Endosulfan I	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
72-55-9	4,4'-DDE	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
60-57-1	Dieldrin	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
72-20-8	Endrin	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
33213-65-9	Endosulfan II	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
72-54-8	4,4'-DDD	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
1031-07-8	Endosulfan sulfate	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
50-29-3	4,4'-DDT	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
7421-93-4	Endrin aldehyde	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
72-43-5	Methoxychlor	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
5103-71-9	alpha-Chlordane	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
5103-74-2	gamma-Chlordane	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
53494-70-5	Endrin ketone	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
8001-35-2	Toxaphene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
12674-11-2	Aroclor-1016	1.	U	1.	U	1.	U	1.	U	1.	U	1.	U
11104-28-2	Aroclor-1221	1.	U	1.	U	1.	U	1.	U	1.	U	1.	U
11141-16-5	Aroclor-1232	1.	U	1.	U	1.	U	1.	U	1.	U	1.	U
53469-21-9	Aroclor-1242	1.	U	1.	U	1.	U	1.	U	1.	U	1.	U
12672-29-6	Aroclor-1248	1.	U	1.	U	1.	U	1.	U	1.	U	1.	U
11097-69-1	Aroclor-1254	2.	U	2.	U	2.	U	2.	U	2.	U	2.	U
11096-82-5	Aroclor-1260	2.	U	2.	U	2.	U	2.	U	2.	U	2.	U

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-PEST													
	SAMPLE ID ------>	GDC-G-W001-02		GDC-G-W001-03		GDC-G-W001-04		GDC-G-W002-02		GDC-G-W002-03		GDC-G-W002-04	
	ORIGINAL ID ----->	GDCGW00102		GDCGW00103		GDCGW00104		GDCGW00202		GDCGW00203		GDCGW00204	
	LAB SAMPLE ID --->	24543.01		25504.03		25997.01		24536.01		25513.03		26016.01	
	ID FROM REPORT -->	GDCGW00102		GDCGW00103		GDCGW00104		GDCGW00202		GDCGW00203		GDCGW00204	
	SAMPLE DATE ----->	01/22/96		05/06/96		06/12/96		01/19/96		05/07/96		06/13/96	
	DATE EXTRACTED -->	01/23/96		05/08/96		06/16/96		01/22/96		05/09/96		06/17/96	
	DATE ANALYZED --->	01/26/96		05/19/96		06/25/96		01/25/96		05/22/96		06/27/96	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ----------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	24514	VAL	25504	VAL	25997	VAL	24514	VAL	25504	VAL	25997	VAL
319-84-6	alpha-BHC	0.044	U	0.04	U	0.04	U	0.045	U	0.04	U	0.04	U
319-85-7	beta-BHC	0.044	U	0.04	U	0.04	U	0.045	U	0.04	U	0.04	U
58-89-9	gamma-BHC (Lindane)	0.044	U	0.04	U	0.04	U	0.045	U	0.04	U	0.04	U
319-86-8	delta-BHC	0.044	U	0.04	U	0.04	U	0.045	U	0.04	U	0.04	U
76-44-8	Heptachlor	0.044	U	0.04	U	0.04	U	0.045	U	0.04	U	0.04	U
309-00-2	Aldrin	0.044	U	0.04	U	0.04	U	0.045	U	0.04	U	0.04	U
1024-57-3	Heptachlor epoxide	0.044	U	0.04	U	0.04	U	0.045	U	0.04	U	0.04	U
959-98-8	Endosulfan I	0.044	U	0.04	U	0.04	U	0.045	U	0.04	U	0.04	U
72-55-9	4,4'-DDE	0.088	U	0.08	U	0.08	U	0.091	U	0.08	U	0.08	U
60-57-1	Dieldrin	0.088	U	0.08	U	0.08	U	0.091	U	0.08	U	0.08	U
72-20-8	Endrin	0.088	U	0.08	U	0.08	U	0.091	U	0.08	U	0.08	U
33213-65-9	Endosulfan II	0.088	U	0.08	U	0.08	U	0.091	U	0.08	U	0.08	U
72-54-8	4,4'-DDD	0.088	U	0.08	U	0.08	U	0.091	U	0.08	U	0.08	U
1031-07-8	Endosulfan sulfate	0.088	U	0.08	U	0.08	U	0.091	U	0.08	U	0.08	U
50-29-3	4,4'-DDT	0.088	U	0.08	U	0.08	U	0.091	U	0.08	U	0.08	U
7421-93-4	Endrin aldehyde	0.088	U	0.08	U	0.08	U	0.091	U	0.08	U	0.08	U
72-43-5	Methoxychlor	0.42	U	0.38	UJ	0.38	U	0.43	U	0.38	U	0.38	U
5103-71-9	alpha-Chlordane	0.044	U	0.04	U	0.04	U	0.045	U	0.04	U	0.04	U
5103-74-2	gamma-Chlordane	0.044	U	0.04	U	0.04	U	0.045	U	0.04	U	0.04	U
53494-70-5	Endrin ketone	0.088	U	0.08	U	0.08	U	0.091	U	0.08	U	0.08	U
8001-35-2	Toxaphene	2.7	U	2.5	U	2.5	U	2.8	U	2.5	U	2.5	U
12674-11-2	Aroclor-1016	1.1	U	1.	U	1.	U	1.1	U	1.	U	1.	U
11104-28-2	Aroclor-1221	1.1	U	1.	U	1.	U	1.1	U	1.	U	1.	U
11141-16-5	Aroclor-1232	1.1	U	1.	U	1.	U	1.1	U	1.	U	1.	U
53469-21-9	Aroclor-1242	1.1	U	1.	U	1.	U	1.1	U	1.	U	1.	U
12672-29-6	Aroclor-1248	1.1	U	1.	U	1.	U	1.1	U	1.	U	1.	U
11097-69-1	Aroclor-1254	2.2	U	2.	U	2.	U	2.3	U	2.	U	2.	U
11096-82-5	Aroclor-1260	2.2	U	2.	U	2.	U	2.3	U	2.	U	2.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-PEST													
	SAMPLE ID ------>	GDC-G-W01D-02		GDC-G-W01D-03		GDC-G-W01D-04		GDC-G-W02D-02		GDC-G-W02D-03		GDC-G-W02D-04	
	ORIGINAL ID ----->	GDCGW01D02		GDCGW01D03		GDCGW01D04		GDCGW02D02		GDCGW02D03		GDCGW02D04	
	LAB SAMPLE ID --->	24543.02		25504.04		25997.02		24536.02		25513.04		26016.02	
	ID FROM REPORT -->	GDCGW01D02		GDCGW01D03		GDCGW01D04		GDCGW02D02		GDCGW02D03		GDCGW02D04	
	SAMPLE DATE ----->	01/22/96		05/06/96		06/12/96		01/19/96		05/07/96		06/13/96	
	DATE EXTRACTED -->	01/23/96		05/08/96		06/16/96		01/22/96		05/09/96		06/17/96	
	DATE ANALYZED --->	01/26/96		05/19/96		06/25/96		01/25/96		05/22/96		06/28/96	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ----------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	24514	VAL	25504	VAL	25997	VAL	24514	VAL	25504	VAL	25997	VAL
319-84-6	alpha-BHC	0.041	U	0.04	U	0.04	U	0.046	U	0.04	U	0.04	U
319-85-7	beta-BHC	0.041	U	0.04	U	0.04	U	0.046	U	0.04	U	0.04	U
58-89-9	gamma-BHC (Lindane)	0.041	U	0.04	U	0.04	U	0.046	U	0.04	U	0.04	U
319-86-8	delta-BHC	0.041	U	0.04	U	0.04	U	0.046	U	0.04	U	0.04	U
76-44-8	Heptachlor	0.041	U	0.04	U	0.04	U	0.046	U	0.04	U	0.04	U
309-00-2	Aldrin	0.041	U	0.04	U	0.04	U	0.046	U	0.04	U	0.04	U
1024-57-3	Heptachlor epoxide	0.041	U	0.04	U	0.04	U	0.046	U	0.04	U	0.04	U
959-98-8	Endosulfan I	0.041	U	0.04	U	0.04	U	0.046	U	0.04	U	0.04	U
72-55-9	4,4'-DDE	0.082	U	0.08	U	0.08	U	0.093	U	0.08	U	0.08	U
60-57-1	Dieldrin	0.082	U	0.08	U	0.08	U	0.093	U	0.08	U	0.08	U
72-20-8	Endrin	0.082	U	0.08	U	0.08	U	0.093	U	0.08	U	0.08	U
33213-65-9	Endosulfan II	0.082	U	0.08	U	0.08	U	0.093	U	0.08	U	0.08	U
72-54-8	4,4'-DDD	0.082	U	0.08	U	0.08	U	0.093	U	0.08	U	0.08	U
1031-07-8	Endosulfan sulfate	0.082	U	0.08	U	0.08	U	0.093	U	0.08	U	0.08	U
50-29-3	4,4'-DDT	0.082	U	0.08	U	0.08	U	0.093	U	0.08	U	0.08	U
7421-93-4	Endrin aldehyde	0.082	U	0.08	U	0.08	U	0.093	U	0.08	U	0.08	U
72-43-5	Methoxychlor	0.39	U	0.38	UJ	0.38	U	0.44	U	0.38	U	0.38	U
5103-71-9	alpha-Chlordane	0.041	U	0.04	U	0.04	U	0.046	U	0.04	U	0.04	U
5103-74-2	gamma-Chlordane	0.041	U	0.04	U	0.04	U	0.046	U	0.04	U	0.04	U
53494-70-5	Endrin ketone	0.082	U	0.08	U	0.08	U	0.093	U	0.08	U	0.08	U
8001-35-2	Toxaphene	2.6	U	2.5	U	2.5	U	2.9	U	2.5	U	2.5	U
12674-11-2	Aroclor-1016	1.	U	1.	U	1.	U	1.2	U	1.	U	1.	U
11104-28-2	Aroclor-1221	1.	U	1.	U	1.	U	1.2	U	1.	U	1.	U
11141-16-5	Aroclor-1232	1.	U	1.	U	1.	U	1.2	U	1.	U	1.	U
53469-21-9	Aroclor-1242	1.	U	1.	U	1.	U	1.2	U	1.	U	1.	U
12672-29-6	Aroclor-1248	1.	U	1.	U	1.	U	1.2	U	1.	U	1.	U
11097-69-1	Aroclor-1254	2.	U	2.	U	2.	U	2.3	U	2.	U	2.	U
11096-82-5	Aroclor-1260	2.	U	2.	U	2.	U	2.3	U	2.	U	2.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	044-G-W001-02 RE		044-G-W001-03		044-G-W001-04		044-G-W001-05		044-G-W002-02		044-G-W002-03	
	ORIGINAL ID ----->	044GW00102		044GW00103		044GW00104		044GW00105		044GW00202		044GW00203	
	LAB SAMPLE ID --->	24527.01		25504.01		25985.03		30339.05		24527.02		25513.01	
	ID FROM REPORT -->	044GW00102		044GW00103		044GW00104		044GW00105		044GW00202		044GW00203	
	SAMPLE DATE ----->	01/18/96		05/06/96		06/11/96		07/28/97		01/18/96		05/07/96	
	DATE EXTRACTED -->	01/19/96		05/08/96		06/13/96		08/09/97		01/19/96		05/09/96	
	DATE ANALYZED --->	01/30/96		05/15/96		06/27/96		08/07/97		01/23/96		05/15/96	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	24514	VAL	25504	VAL	25931	VAL	30257	VAL	24514	VAL	25504	VAL
108-95-2	Phenol	11.	U	NR		10.	U	10.	U	11.	U	10.	U
111-44-4	bis(2-Chloroethyl)ether	11.	UJ	10.	UR	10.	UR	10.	U	11.	U	10.	U
95-57-8	2-Chlorophenol	11.	U	10.	U	10.	U	10.	U	11.	U	10.	U
541-73-1	1,3-Dichlorobenzene	11.	UJ	10.	UR	10.	UR	10.	U	11.	U	10.	U
106-46-7	1,4-Dichlorobenzene	11.	UJ	10.	UR	10.	UR	10.	U	11.	U	10.	U
100-51-6	Benzyl alcohol	11.	UJ	10.	U	10.	UR	10.	U	11.	U	10.	U
95-50-1	1,2-Dichlorobenzene	11.	UJ	10.	UR	10.	UR	10.	U	11.	U	10.	U
95-48-7	2-Methylphenol (o-Cresol)	11.	U	10.	U	10.	U	10.	U	11.	U	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	11.	UJ	10.	UR	10.	UJ	10.	U	11.	U	10.	U
106-44-5	4-Methylphenol (p-Cresol)	11.	U	10.	U	10.	U	10.	U	11.	U	10.	U
621-64-7	N-Nitroso-di-n-propylamine	11.	UJ	10.	UR	10.	UR	10.	U	11.	U	10.	UJ
67-72-1	Hexachloroethane	11.	UJ	10.	UR	10.	UR	10.	U	11.	U	10.	U
98-95-3	Nitrobenzene	11.	UJ	10.	UR	10.	UR	10.	U	11.	U	10.	U
78-59-1	Isophorone	11.	UJ	10.	UR	10.	UR	10.	U	11.	U	10.	U
88-75-5	2-Nitrophenol	11.	U	10.	U	10.	U	10.	U	11.	U	10.	U
105-67-9	2,4-Dimethylphenol	11.	U	10.	U	10.	U	10.	U	11.	U	10.	U
65-85-0	Benzoic acid	53.	UJ	50.	U	50.	U	50.	U	53.	U	50.	U
111-91-1	bis(2-Chloroethoxy)methane	11.	UJ	10.	UR	10.	UR	10.	U	11.	U	10.	U
120-83-2	2,4-Dichlorophenol	11.	U	10.	U	10.	U	10.	U	11.	U	10.	U
120-82-1	1,2,4-Trichlorobenzene	11.	UJ	10.	UR	10.	UR	10.	U	11.	U	10.	U
91-20-3	Naphthalene	11.	UJ	10.	UR	10.	UR	10.	U	11.	U	10.	U
106-47-8	4-Chloroaniline	11.	UJ	10.	UR	10.	UR	10.	U	11.	U	10.	U
87-68-3	Hexachlorobutadiene	11.	UJ	10.	UR	10.	UR	10.	U	11.	U	10.	U
59-50-7	4-Chloro-3-methylphenol	11.	U	10.	U	10.	U	10.	U	11.	U	10.	U
91-57-6	2-Methylnaphthalene	11.	UJ	10.	UR	10.	UR	10.	U	11.	U	10.	U
77-47-4	Hexachlorocyclopentadiene	11.	UJ	10.	UR	10.	UR	10.	U	11.	U	10.	UJ
88-06-2	2,4,6-Trichlorophenol	11.	U	10.	U	10.	U	10.	U	11.	U	10.	U
95-95-4	2,4,5-Trichlorophenol	53.	U	50.	U	50.	U	50.	U	53.	U	50.	U
91-58-7	2-Chloronaphthalene	11.	UJ	10.	UR	10.	UR	10.	U	11.	U	10.	U
88-74-4	2-Nitroaniline	53.	UJ	50.	UR	50.	UR	50.	U	53.	U	50.	U
131-11-3	Dimethyl phthalate	11.	UJ	10.	UR	10.	UR	10.	U	11.	U	10.	U
208-96-8	Acenaphthylene	11.	UJ	10.	UR	10.	UR	10.	U	11.	U	10.	U
99-09-2	3-Nitroaniline	53.	UJ	50.	UR	50.	UR	50.	U	53.	U	50.	U
83-32-9	Acenaphthene	11.	UJ	10.	UR	10.	UR	10.	U	11.	U	10.	U
51-28-5	2,4-Dinitrophenol	53.	U	50.	U	50.	U	50.	U	53.	U	50.	U
100-02-7	4-Nitrophenol	53.	U	50.	U	50.	U	50.	U	53.	U	50.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-SVOA													
	SAMPLE ID ------>	044-G-W001-02 RE		044-G-W001-03		044-G-W001-04		044-G-W001-05		044-G-W002-02		044-G-W002-03	
	ORIGINAL ID ----->	044GW00102		044GW00103		044GW00104		044GW00105		044GW00202		044GW00203	
	LAB SAMPLE ID --->	24527.01		25504.01		25985.03		30339.05		24527.02		25513.01	
	ID FROM REPORT -->	044GW00102		044GW00103		044GW00104		044GW00105		044GW00202		044GW00203	
	SAMPLE DATE ----->	01/18/96		05/06/96		06/11/96		07/28/97		01/18/96		05/07/96	
	DATE EXTRACTED -->	01/19/96		05/08/96		06/13/96		08/09/97		01/19/96		05/09/96	
	DATE ANALYZED --->	01/30/96		05/15/96		06/27/96		08/07/97		01/23/96		05/15/96	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ----------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	24514	VAL	25504	VAL	25931	VAL	30257	VAL	24514	VAL	25504	VAL
132-64-9	Dibenzofuran	11.	UJ	10.	UR	10.	UR	10.	U	11.	U	10.	U
121-14-2	2,4-Dinitrotoluene	11.	UJ	10.	UR	10.	UR	10.	U	11.	U	10.	U
606-20-2	2,6-Dinitrotoluene	11.	UJ	10.	UR	10.	UR	10.	U	11.	U	10.	U
84-66-2	Diethylphthalate	11.	UJ	10.	UR	10.	UR	10.	U	11.	U	10.	U
7005-72-3	4-Chlorophenylphenylether	11.	UJ	10.	UR	10.	UR	10.	U	11.	U	10.	U
86-73-7	Fluorene	11.	UJ	10.	UR	10.	UR	10.	U	11.	U	10.	U
100-01-6	4-Nitroaniline	53.	UJ	50.	UR	50.	UR	50.	U	53.	U	50.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	53.	U	50.	U	50.	U	50.	U	53.	U	50.	U
86-30-6	N-Nitrosodiphenylamine	11.	UJ	10.	UR	10.	UR	10.	U	11.	U	10.	U
101-55-3	4-Bromophenyl-phenylether	11.	UJ	10.	UR	10.	UR	10.	U	11.	U	10.	U
118-74-1	Hexachlorobenzene	11.	UJ	10.	UR	10.	UR	10.	U	11.	U	10.	U
87-86-5	Pentachlorophenol	53.	U	50.	U	50.	U	50.	U	53.	U	50.	U
85-01-8	Phenanthrene	11.	UJ	10.	UR	10.	UR	10.	U	11.	U	10.	U
120-12-7	Anthracene	11.	UJ	10.	UR	10.	UR	10.	U	11.	U	10.	U
84-74-2	Di-n-butylphthalate	11.	UJ	10.	UR	10.	UR	10.	U	11.	U	10.	U
206-44-0	Fluoranthene	11.	UJ	10.	UR	10.	UR	10.	U	11.	U	10.	U
129-00-0	Pyrene	11.	UJ	10.	UR	10.	UR	10.	U	11.	U	10.	U
85-68-7	Butylbenzylphthalate	11.	UJ	10.	UR	10.	UR	10.	U	11.	U	10.	U
91-94-1	3,3'-Dichlorobenzidine	21.	UJ	20.	UR	20.	UR	20.	U	21.	U	20.	UJ
56-55-3	Benzo(a)anthracene	11.	UJ	10.	UR	10.	UR	10.	U	11.	U	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	4.	UJ	10.	UR	10.	UR	32.	B	11.	U	10.	U
218-01-9	Chrysene	11.	UJ	10.	UR	10.	UR	10.	U	11.	U	10.	U
117-84-0	Di-n-octyl phthalate	11.	UJ	10.	UR	10.	UR	10.	U	11.	U	10.	U
205-99-2	Benzo(b)fluoranthene	11.	UJ	10.	UR	10.	UR	10.	U	11.	U	10.	U
207-08-9	Benzo(k)fluoranthene	11.	UJ	10.	UR	10.	UR	10.	U	11.	U	10.	U
50-32-8	Benzo(a)pyrene	11.	UJ	10.	UR	10.	UR	10.	U	11.	U	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	11.	UJ	10.	UR	10.	UR	10.	U	11.	U	10.	U
53-70-3	Dibenz(a,h)anthracene	11.	UJ	10.	UR	10.	UR	10.	U	11.	U	10.	U
191-24-2	Benzo(g,h,i)perylene	11.	UJ	10.	UR	10.	UR	10.	U	11.	U	10.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-SVOA																							
	SAMPLE ID ------->	044-G-W002-04			044-G-W002-05			044-G-W003-02			044-G-W003-03 RE			044-G-W003-04			044-G-W003-05		
	ORIGINAL ID ----->	044GW00204			044GW00205			044GW00302			044GW00303			044GW00304			044GW00305		
	LAB SAMPLE ID --->	25931.01			30339.06			24514.03			25504.02			25931.02			30339.07		
	ID FROM REPORT -->	044GW00204			044GW00205			044GW00302			044GW00303			044GW00304			044GW00305		
	SAMPLE DATE ----->	06/07/96			07/28/97			01/17/96			05/06/96			06/07/96			07/28/97		
	DATE EXTRACTED -->	06/11/96			07/31/97			01/18/96			05/08/96			06/11/96			07/31/97		
	DATE ANALYZED --->	06/25/96			08/07/97			01/31/96			05/22/96			06/25/96			08/08/97		
	MATRIX ---------->	Water			Water			Water			Water			Water			Water		
	UNITS ----------->	UG/L			UG/L			UG/L			UG/L			UG/L			UG/L		
CAS #	Parameter	25931		VAL	30257		VAL	24514		VAL	25504		VAL	25931		VAL	30257		VAL
108-95-2	Phenol	10.		U	10.		U	10.		U	10.		UJ	10.		U	10.		U
111-44-4	bis(2-Chloroethyl)ether	10.		U	10.		U	10.		U	10.		UJ	10.		UJ	10.		U
95-57-8	2-Chlorophenol	10.		U	10.		U	10.		U	10.		UJ	10.		U	10.		U
541-73-1	1,3-Dichlorobenzene	10.		U	10.		U	10.		U	10.		UJ	10.		UJ	10.		U
106-46-7	1,4-Dichlorobenzene	10.		U	10.		U	10.		U	10.		UJ	10.		UJ	10.		U
100-51-6	Benzyl alcohol	10.		U	10.		U	10.		U	10.		UJ	10.		UJ	10.		U
95-50-1	1,2-Dichlorobenzene	10.		U	10.		U	10.		U	10.		UJ	10.		UJ	10.		U
95-48-7	2-Methylphenol (o-Cresol)	10.		U	10.		U	10.		U	10.		UJ	10.		U	10.		U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.		UJ	10.		U	10.		U	10.		UJ	10.		UJ	10.		U
106-44-5	4-Methylphenol (p-Cresol)	10.		U	10.		U	10.		U	10.		UJ	10.		U	10.		U
621-64-7	N-Nitroso-di-n-propylamine	10.		U	10.		U	10.		U	10.		UJ	10.		UJ	10.		U
67-72-1	Hexachloroethane	10.		U	10.		U	10.		U	10.		UJ	10.		UJ	10.		U
98-95-3	Nitrobenzene	10.		U	10.		U	10.		U	10.		UJ	10.		UJ	10.		U
78-59-1	Isophorone	10.		U	10.		U	10.		U	10.		UJ	10.		UJ	10.		U
88-75-5	2-Nitrophenol	10.		U	10.		U	10.		U	10.		UJ	10.		U	10.		U
105-67-9	2,4-Dimethylphenol	10.		U	10.		U	10.		U	10.		UJ	10.		U	10.		U
65-85-0	Benzoic acid	50.		U	50.		U	50.		U	50.		UJ	50.		U	50.		U
111-91-1	bis(2-Chloroethoxy)methane	10.		U	10.		U	10.		U	10.		UJ	10.		UJ	10.		U
120-83-2	2,4-Dichlorophenol	10.		U	10.		U	10.		U	10.		UJ	10.		U	10.		U
120-82-1	1,2,4-Trichlorobenzene	10.		U	10.		U	10.		U	10.		UJ	10.		UJ	10.		U
91-20-3	Naphthalene	10.		U	10.		U	10.		U	10.		UJ	10.		UJ	10.		U
106-47-8	4-Chloroaniline	10.		U	10.		U	10.		U	10.		UJ	10.		UJ	10.		U
87-68-3	Hexachlorobutadiene	10.		U	10.		U	10.		U	10.		UJ	10.		UJ	10.		U
59-50-7	4-Chloro-3-methylphenol	10.		U	10.		U	10.		U	10.		UJ	10.		U	10.		U
91-57-6	2-Methylnaphthalene	10.		U	10.		U	10.		U	10.		UJ	10.		UJ	10.		U
77-47-4	Hexachlorocyclopentadiene	10.		U	10.		U	10.		U	10.		UJ	10.		UJ	10.		U
88-06-2	2,4,6-Trichlorophenol	10.		U	10.		U	10.		U	10.		UJ	10.		U	10.		U
95-95-4	2,4,5-Trichlorophenol	50.		U	50.		U	50.		U	50.		UJ	50.		U	50.		U
91-58-7	2-Chloronaphthalene	10.		U	10.		U	10.		U	10.		UJ	10.		UJ	10.		U
88-74-4	2-Nitroaniline	50.		U	50.		U	50.		U	50.		UJ	50.		UJ	50.		U
131-11-3	Dimethyl phthalate	10.		U	10.		U	10.		U	10.		UJ	10.		UJ	10.		U
208-96-8	Acenaphthylene	10.		U	10.		U	10.		U	10.		UJ	10.		UJ	10.		U
99-09-2	3-Nitroaniline	50.		U	50.		U	50.		U	50.		UJ	50.		UJ	50.		U
83-32-9	Acenaphthene	10.		U	10.		U	10.		U	10.		UJ	10.		UJ	10.		U
51-28-5	2,4-Dinitrophenol	50.		U	50.		U	50.		U	50.		UJ	50.		U	50.		U
100-02-7	4-Nitrophenol	50.		U	50.		U	50.		U	50.		UJ	50.		U	50.		U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-SVOA						
SAMPLE ID ------->	044-G-W002-04	044-G-W002-05	044-G-W003-02	044-G-W003-03 RE	044-G-W003-04	044-G-W003-05
ORIGINAL ID ----->	044GW00204	044GW00205	044GW00302	044GW00303	044GW00304	044GW00305
LAB SAMPLE ID --->	25931.01	30339.06	24514.03	25504.02	25931.02	30339.07
ID FROM REPORT -->	044GW00204	044GW00205	044GW00302	044GW00303	044GW00304	044GW00305
SAMPLE DATE ----->	06/07/96	07/28/97	01/17/96	05/06/96	06/07/96	07/28/97
DATE EXTRACTED -->	06/11/96	07/31/97	01/18/96	05/08/96	06/11/96	07/31/97
DATE ANALYZED --->	06/25/96	08/07/97	01/31/96	05/22/96	06/25/96	08/08/97
MATRIX ---------->	Water	Water	Water	Water	Water	Water
UNITS ----------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	25931	VAL	30257	VAL	24514	VAL	25504	VAL	25931	VAL	30257	VAL
132-64-9	Dibenzofuran	10.	U	10.	U	10.	U	10.	UJ	10.	UJ	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U	10.	U	10.	U	10.	UJ	10.	UJ	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U	10.	U	10.	U	10.	UJ	10.	UJ	10.	U
84-66-2	Diethylphthalate	10.	U	10.	U	10.	U	10.	UJ	10.	UJ	10.	U
7005-72-3	4-Chlorophenylphenylether	10.	U	10.	U	10.	U	10.	UJ	10.	UJ	10.	U
86-73-7	Fluorene	10.	U	10.	U	10.	U	10.	UJ	10.	UJ	10.	U
100-01-6	4-Nitroaniline	50.	U	50.	U	50.	U	50.	UJ	50.	UJ	50.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	50.	U	50.	U	50.	U	50.	UJ	50.	U	50.	U
86-30-6	N-Nitrosodiphenylamine	10.	U	10.	U	10.	U	10.	UJ	10.	UJ	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U	10.	U	10.	U	10.	UJ	10.	UJ	10.	U
118-74-1	Hexachlorobenzene	10.	U	10.	U	10.	U	10.	UJ	10.	UJ	10.	U
87-86-5	Pentachlorophenol	50.	U	50.	U	50.	U	50.	UJ	50.	U	50.	U
85-01-8	Phenanthrene	10.	U	10.	U	10.	U	10.	UJ	10.	UJ	10.	U
120-12-7	Anthracene	10.	U	10.	U	10.	U	10.	UJ	10.	UJ	10.	U
84-74-2	Di-n-butylphthalate	10.	U	10.	U	10.	U	10.	UJ	10.	UJ	10.	U
206-44-0	Fluoranthene	10.	U	10.	U	10.	U	10.	UJ	10.	UJ	10.	U
129-00-0	Pyrene	10.	U	10.	U	10.	U	10.	UJ	10.	UJ	10.	U
85-68-7	Butylbenzylphthalate	10.	U	10.	U	10.	U	10.	UJ	10.	UJ	10.	U
91-94-1	3,3'-Dichlorobenzidine	20.	U	20.	U	20.	U	20.	UJ	20.	UJ	20.	U
56-55-3	Benzo(a)anthracene	10.	U	10.	U	10.	U	10.	UJ	10.	UJ	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	10.	U	130.	B	10.	U	10.	UJ	10.	UJ	11.	B
218-01-9	Chrysene	10.	U	10.	U	10.	U	10.	UJ	10.	UJ	10.	U
117-84-0	Di-n-octyl phthalate	10.	U	10.	U	10.	U	10.	UJ	10.	UJ	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U	10.	U	10.	U	10.	UJ	10.	UJ	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U	10.	U	10.	U	10.	UJ	10.	UJ	10.	U
50-32-8	Benzo(a)pyrene	10.	U	10.	U	10.	U	10.	UJ	10.	UJ	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U	10.	U	10.	U	10.	UJ	10.	UJ	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U	10.	U	10.	U	10.	UJ	10.	UJ	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U	10.	U	10.	U	10.	UJ	10.	UJ	10.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	044-G-W004-02	044-H-W004-02 RE	044-G-W004-03	044-G-W004-04	044-G-W004-05	044-H-W004-05
	ORIGINAL ID ----->	044GW00402	044HW00402	044GW00403	044GW00404	044GW00405	044HW00405
	LAB SAMPLE ID --->	24514.01	24514.02	25513.02	25931.03	30379.01	30379.02
	ID FROM REPORT -->	044GW00402	044HW00402	044GW00403	044GW00404	044GW00405	044HW00405
	SAMPLE DATE ----->	01/17/96	01/17/96	05/07/96	06/07/96	07/30/97	07/30/97
	DATE EXTRACTED -->	01/18/96	01/24/96	05/09/96	06/11/96	08/05/97	08/05/97
	DATE ANALYZED --->	01/31/96	01/29/96	05/15/96	06/25/96	08/14/97	08/14/97
	MATRIX ---------->	Water	Water	Water	Water	Water	Water
	UNITS ---------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	24514	VAL	24514	VAL	25504	VAL	25931	VAL	30257	VAL	30257	VAL
108-95-2	Phenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-57-8	2-Chlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
100-51-6	Benzyl alcohol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-48-7	2-Methylphenol (o-Cresol)	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U	10.	U	10.	U	10.	UJ	10.	U	10.	U
106-44-5	4-Methylphenol (p-Cresol)	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U	10.	U	10.	UJ	10.	U	10.	U	10.	U
67-72-1	Hexachloroethane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
98-95-3	Nitrobenzene	10.	U	10.	UJ	10.	U	10.	U	10.	U	10.	U
78-59-1	Isophorone	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
88-75-5	2-Nitrophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
105-67-9	2,4-Dimethylphenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
65-85-0	Benzoic acid	50.	U	51.	U	50.	U	50.	U	50.	U	50.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
120-83-2	2,4-Dichlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
91-20-3	Naphthalene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
106-47-8	4-Chloroaniline	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
87-68-3	Hexachlorobutadiene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
91-57-6	2-Methylnaphthalene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U	10.	U	10.	UJ	10.	U	10.	U	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-95-4	2,4,5-Trichlorophenol	50.	U	51.	U	50.	U	50.	U	50.	U	50.	U
91-58-7	2-Chloronaphthalene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
88-74-4	2-Nitroaniline	50.	U	51.	U	50.	U	50.	U	50.	U	50.	U
131-11-3	Dimethyl phthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
208-96-8	Acenaphthylene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
99-09-2	3-Nitroaniline	50.	U	51.	U	50.	U	50.	U	50.	U	50.	U
83-32-9	Acenaphthene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
51-28-5	2,4-Dinitrophenol	50.	U	51.	U	50.	U	50.	U	50.	U	50.	U
100-02-7	4-Nitrophenol	50.	U	51.	U	50.	U	50.	U	50.	U	50.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-SVOA							
SAMPLE ID ------->	044-G-W004-02	044-H-W004-02 RE	044-G-W004-03	044-G-W004-04	044-G-W004-05	044-H-W004-05
ORIGINAL ID ----->	044GW00402	044HW00402	044GW00403	044GW00404	044GW00405	044HW00405
LAB SAMPLE ID --->	24514.01	24514.02	25513.02	25931.03	30379.01	30379.02
ID FROM REPORT -->	044GW00402	044HW00402	044GW00403	044GW00404	044GW00405	044HW00405
SAMPLE DATE ----->	01/17/96	01/17/96	05/07/96	06/07/96	07/30/97	07/30/97
DATE EXTRACTED -->	01/18/96	01/24/96	05/09/96	06/11/96	08/05/97	08/05/97
DATE ANALYZED --->	01/31/96	01/29/96	05/15/96	06/25/96	08/14/97	08/14/97
MATRIX ---------->	Water	Water	Water	Water	Water	Water
UNITS ----------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	24514	VAL	24514	VAL	25504	VAL	25931	VAL	30257	VAL	30257	VAL
132-64-9	Dibenzofuran	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
84-66-2	Diethylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
7005-72-3	4-Chlorophenylphenylether	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
86-73-7	Fluorene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
100-01-6	4-Nitroaniline	50.	U	51.	U	50.	U	50.	U	50.	U	50.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	50.	U	51.	U	50.	U	50.	U	50.	U	50.	U
86-30-6	N-Nitrosodiphenylamine	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
118-74-1	Hexachlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
87-86-5	Pentachlorophenol	50.	U	51.	U	50.	U	50.	U	50.	U	50.	U
85-01-8	Phenanthrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
120-12-7	Anthracene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
84-74-2	Di-n-butylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
206-44-0	Fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
129-00-0	Pyrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
85-68-7	Butylbenzylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
91-94-1	3,3'-Dichlorobenzidine	20.	U	20.	U	20.	UJ	20.	U	20.	U	20.	U
56-55-3	Benzo(a)anthracene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	10.	U	10.	U	10.	U	10.	U	4.	JB	5.	JB
218-01-9	Chrysene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
117-84-0	Di-n-octyl phthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
50-32-8	Benzo(a)pyrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-SVOA						
SAMPLE ID ------->	044-G-W005-02	044-G-W005-03	044-G-W005-04	044-G-W005-05	044-G-W006-02 RE	044-G-W006-03
ORIGINAL ID ----->	044GW00502	044GW00503	044GW00504	044GW00505	044GW00602	044GW00603
LAB SAMPLE ID --->	24514.04	25558.01	25951.01	30424.02	24514.05	25533.01
ID FROM REPORT -->	044GW00502	044GW00503	044GW00504	044GW00505	044GW00602	044GW00603
SAMPLE DATE ----->	01/17/96	05/09/96	06/10/96	08/01/97	01/17/96	05/08/96
DATE EXTRACTED -->	01/18/96	05/12/96	06/12/96	08/05/97	01/24/96	05/11/96
DATE ANALYZED --->	01/31/96	05/28/96	06/28/96	08/14/97	01/29/96	05/22/96
MATRIX ---------->	Water	Water	Water	Water	Water	Water
UNITS ----------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	24514	VAL	25504	VAL	25931	VAL	30424	VAL	24514	VAL	25504	VAL
108-95-2	Phenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-57-8	2-Chlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
100-51-6	Benzyl alcohol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-48-7	2-Methylphenol (o-Cresol)	10.	U	10.	UJ	10.	U	10.	U	10.	U	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U	10.	U	10.	UJ	10.	U	10.	U	10.	U
106-44-5	4-Methylphenol (p-Cresol)	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
67-72-1	Hexachloroethane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
98-95-3	Nitrobenzene	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
78-59-1	Isophorone	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
88-75-5	2-Nitrophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
105-67-9	2,4-Dimethylphenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
65-85-0	Benzoic acid	50.	U	7.	J	50.	U	50.	U	2.	J	50.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
120-83-2	2,4-Dichlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
91-20-3	Naphthalene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
106-47-8	4-Chloroaniline	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
87-68-3	Hexachlorobutadiene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
91-57-6	2-Methylnaphthalene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-95-4	2,4,5-Trichlorophenol	50.	U	50.	U	50.	U	50.	U	53.	U	50.	U
91-58-7	2-Chloronaphthalene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
88-74-4	2-Nitroaniline	50.	U	50.	U	50.	U	50.	U	53.	U	50.	U
131-11-3	Dimethyl phthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
208-96-8	Acenaphthylene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
99-09-2	3-Nitroaniline	50.	U	50.	U	50.	U	50.	U	53.	U	50.	U
83-32-9	Acenaphthene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
51-28-5	2,4-Dinitrophenol	50.	U	50.	U	50.	U	50.	U	53.	U	50.	U
100-02-7	4-Nitrophenol	50.	U	50.	U	50.	U	50.	U	53.	U	50.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	044-G-W005-02	044-G-W005-03	044-G-W005-04	044-G-W005-05	044-G-W006-02 RE	044-G-W006-03
	ORIGINAL ID ----->	044GW00502	044GW00503	044GW00504	044GW00505	044GW00602	044GW00603
	LAB SAMPLE ID --->	24514.04	25558.01	25951.01	30424.02	24514.05	25533.01
	ID FROM REPORT -->	044GW00502	044GW00503	044GW00504	044GW00505	044GW00602	044GW00603
	SAMPLE DATE ----->	01/17/96	05/09/96	06/10/96	08/01/97	01/17/96	05/08/96
	DATE EXTRACTED -->	01/18/96	05/12/96	06/12/96	08/05/97	01/24/96	05/11/96
	DATE ANALYZED --->	01/31/96	05/28/96	06/28/96	08/14/97	01/29/96	05/22/96
	MATRIX ---------->	Water	Water	Water	Water	Water	Water
	UNITS ----------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	24514	VAL	25504	VAL	25931	VAL	30424	VAL	24514	VAL	25504	VAL
132-64-9	Dibenzofuran	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
84-66-2	Diethylphthalate	10.	U	1.	J	10.	U	10.	U	10.	U	10.	U
7005-72-3	4-Chlorophenylphenylether	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
86-73-7	Fluorene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
100-01-6	4-Nitroaniline	50.	U	50.	U	50.	U	50.	U	53.	U	50.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	50.	U	50.	U	50.	U	50.	U	53.	U	50.	U
86-30-6	N-Nitrosodiphenylamine	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
118-74-1	Hexachlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
87-86-5	Pentachlorophenol	50.	U	50.	U	50.	U	50.	U	53.	U	50.	U
85-01-8	Phenanthrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
120-12-7	Anthracene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
84-74-2	Di-n-butylphthalate	10.	U	1.	J	10.	U	10.	U	10.	U	10.	U
206-44-0	Fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
129-00-0	Pyrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
85-68-7	Butylbenzylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
91-94-1	3,3'-Dichlorobenzidine	20.	U	20.	U	20.	UJ	20.	U	21.	U	20.	U
56-55-3	Benzo(a)anthracene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	10.	U	10.	U	25.	U	4.	JB	1.	J	10.	U
218-01-9	Chrysene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
117-84-0	Di-n-octyl phthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
50-32-8	Benzo(a)pyrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	044-G-W006-04	044-G-W006-05	044-G-W007-02	044-G-W007-03	044-G-W007-04	044-G-W007-05
	ORIGINAL ID ----->	044GW00604	044GW00605	044GW00702	044GW00703	044GW00704	044GW00705
	LAB SAMPLE ID --->	25985.01	30379.03	24527.04	25568.01	25985.02	30424.01
	ID FROM REPORT -->	044GW00604	044GW00605	044GW00702	044GW00703	044GW00704	044GW00705
	SAMPLE DATE ----->	06/11/96	07/30/97	01/18/96	05/10/96	06/11/96	08/01/97
	DATE EXTRACTED -->	06/13/96	08/05/97	01/19/96	05/13/96	06/13/96	08/05/97
	DATE ANALYZED --->	06/27/96	08/14/97	01/23/96	05/23/96	06/27/96	08/14/97
	MATRIX ---------->	Water	Water	Water	Water	Water	Water
	UNITS ----------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	25931	VAL	30257	VAL	24514	VAL	25568	VAL	25931	VAL	30424	VAL
108-95-2	Phenol	10.	U	10.	U	11.	U	10.	U	10.	U	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U	10.	U	11.	U	10.	U	10.	U	10.	U
95-57-8	2-Chlorophenol	10.	U	10.	U	11.	U	10.	U	10.	U	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U	10.	U	11.	U	10.	U	10.	U	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U	10.	U	11.	U	10.	U	10.	U	10.	U
100-51-6	Benzyl alcohol	10.	U	10.	U	11.	U	10.	U	10.	U	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U	10.	U	11.	U	10.	U	10.	U	10.	U
95-48-7	2-Methylphenol (o-Cresol)	10.	U	10.	U	11.	U	10.	U	10.	U	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U	10.	U	11.	U	10.	U	10.	U	10.	U
106-44-5	4-Methylphenol (p-Cresol)	10.	U	10.	U	11.	U	10.	U	10.	U	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U	10.	U	11.	U	10.	U	10.	U	10.	U
67-72-1	Hexachloroethane	10.	U	10.	U	11.	U	10.	U	10.	U	10.	U
98-95-3	Nitrobenzene	10.	U	10.	U	11.	U	10.	U	10.	U	10.	U
78-59-1	Isophorone	10.	U	10.	U	11.	U	10.	U	10.	U	10.	U
88-75-5	2-Nitrophenol	10.	U	10.	U	11.	U	10.	U	10.	U	10.	U
105-67-9	2,4-Dimethylphenol	10.	U	10.	U	11.	U	10.	U	10.	U	10.	U
65-85-0	Benzoic acid	50.	U	50.	U	53.	U	50.	U	50.	U	50.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U	10.	U	11.	U	10.	U	10.	U	10.	U
120-83-2	2,4-Dichlorophenol	10.	U	10.	U	11.	U	10.	U	10.	U	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U	10.	U	11.	U	10.	U	10.	U	10.	U
91-20-3	Naphthalene	10.	U	10.	U	11.	U	10.	U	10.	U	10.	U
106-47-8	4-Chloroaniline	10.	U	10.	U	11.	U	10.	U	10.	U	10.	U
87-68-3	Hexachlorobutadiene	10.	U	10.	U	11.	U	10.	U	10.	U	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U	10.	U	11.	U	10.	U	10.	U	10.	U
91-57-6	2-Methylnaphthalene	10.	U	10.	U	11.	U	10.	U	10.	U	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U	10.	U	11.	U	10.	U	10.	U	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U	10.	U	11.	U	10.	U	10.	U	10.	U
95-95-4	2,4,5-Trichlorophenol	50.	U	50.	U	53.	U	50.	U	50.	U	50.	U
91-58-7	2-Chloronaphthalene	10.	U	10.	U	11.	U	10.	U	10.	U	10.	U
88-74-4	2-Nitroaniline	50.	U	50.	U	53.	U	50.	U	50.	U	50.	U
131-11-3	Dimethyl phthalate	10.	U	10.	U	11.	U	10.	U	10.	U	10.	U
208-96-8	Acenaphthylene	10.	U	10.	U	11.	U	10.	U	10.	U	10.	U
99-09-2	3-Nitroaniline	50.	U	50.	U	53.	U	50.	U	50.	U	50.	U
83-32-9	Acenaphthene	10.	U	10.	U	11.	U	10.	U	10.	U	10.	U
51-28-5	2,4-Dinitrophenol	50.	U	50.	U	53.	U	50.	U	50.	U	50.	U
100-02-7	4-Nitrophenol	50.	U	50.	U	53.	U	50.	U	50.	U	50.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-SVOA							
SAMPLE ID ------->	044-G-W006-04	044-G-W006-05	044-G-W007-02	044-G-W007-03	044-G-W007-04	044-G-W007-05
ORIGINAL ID ----->	044GW00604	044GW00605	044GW00702	044GW00703	044GW00704	044GW00705
LAB SAMPLE ID --->	25985.01	30379.03	24527.04	25568.01	25985.02	30424.01
ID FROM REPORT -->	044GW00604	044GW00605	044GW00702	044GW00703	044GW00704	044GW00705
SAMPLE DATE ----->	06/11/96	07/30/97	01/18/96	05/10/96	06/11/96	08/01/97
DATE EXTRACTED -->	06/13/96	08/05/97	01/19/96	05/13/96	06/13/96	08/05/97
DATE ANALYZED --->	06/27/96	08/14/97	01/23/96	05/23/96	06/27/96	08/14/97
MATRIX ---------->	Water	Water	Water	Water	Water	Water
UNITS ----------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	25931	VAL	30257	VAL	24514	VAL	25568	VAL	25931	VAL	30424	VAL
132-64-9	Dibenzofuran	10.	U	10.	U	11.	U	10.	U	10.	U	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U	10.	U	11.	U	10.	U	10.	U	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U	10.	U	11.	U	10.	U	10.	U	10.	U
84-66-2	Diethylphthalate	10.	U	10.	U	11.	U	10.	U	10.	U	10.	U
7005-72-3	4-Chlorophenylphenylether	10.	U	10.	U	11.	U	10.	U	10.	U	10.	U
86-73-7	Fluorene	10.	U	10.	U	11.	U	10.	U	10.	U	10.	U
100-01-6	4-Nitroaniline	50.	U	50.	U	53.	U	50.	U	50.	U	50.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	50.	U	50.	U	53.	U	50.	U	50.	U	50.	U
86-30-6	N-Nitrosodiphenylamine	10.	U	10.	U	11.	U	10.	U	10.	U	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U	10.	U	11.	U	10.	U	10.	U	10.	U
118-74-1	Hexachlorobenzene	10.	U	10.	U	11.	U	10.	U	10.	U	10.	U
87-86-5	Pentachlorophenol	50.	U	50.	U	53.	U	50.	U	50.	U	50.	U
85-01-8	Phenanthrene	10.	U	10.	U	11.	U	10.	U	10.	U	10.	U
120-12-7	Anthracene	10.	U	10.	U	11.	U	10.	U	10.	U	10.	U
84-74-2	Di-n-butylphthalate	10.	U	10.	U	11.	U	10.	U	10.	U	10.	U
206-44-0	Fluoranthene	10.	U	10.	U	11.	U	10.	U	10.	U	10.	U
129-00-0	Pyrene	10.	U	10.	U	11.	U	10.	U	10.	U	10.	U
85-68-7	Butylbenzylphthalate	10.	U	10.	U	11.	U	10.	U	10.	U	10.	U
91-94-1	3,3'-Dichlorobenzidine	20.	U	20.	U	21.	U	20.	U	20.	U	20.	U
56-55-3	Benzo(a)anthracene	10.	U	10.	U	11.	U	10.	U	10.	U	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	10.	U	7.	JB	11.	U	10.	U	10.	U	11.	B
218-01-9	Chrysene	10.	U	10.	U	11.	U	10.	U	10.	U	10.	U
117-84-0	Di-n-octyl phthalate	10.	U	10.	U	11.	U	10.	U	10.	U	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U	10.	U	11.	U	10.	U	10.	U	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U	10.	U	11.	U	10.	UJ	10.	U	10.	U
50-32-8	Benzo(a)pyrene	10.	U	10.	U	11.	U	10.	U	10.	U	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U	10.	U	11.	U	10.	U	10.	U	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U	10.	U	11.	U	10.	U	10.	U	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U	10.	U	11.	U	10.	U	10.	U	10.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-SVOA							
SAMPLE ID ------->	044-G-W008-02	044-G-W008-03	044-G-W008-04	044-G-W008-05	047-G-W001-02	047-G-W001-03
ORIGINAL ID ----->	044GW00802	044GW00803	044GW00804	044GW00805	047GW00102	047GW00103
LAB SAMPLE ID --->	24527.03	25533.02	25997.03	30339.08	24583.03	25558.02
ID FROM REPORT -->	044GW00802	044GW00803	044GW00804	044GW00805	047GW00102	047GW00103
SAMPLE DATE ----->	01/18/96	05/08/96	06/12/96	07/28/97	01/25/96	05/09/96
DATE EXTRACTED -->	01/19/96	05/11/96	06/14/96	07/31/97	01/26/96	05/12/96
DATE ANALYZED --->	01/23/96	05/22/96	06/28/96	08/07/97	01/31/96	05/28/96
MATRIX ---------->	Water	Water	Water	Water	Water	Water
UNITS ----------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	24514	VAL	25504	VAL	25997	VAL	30257	VAL	24561	VAL	25504	VAL
108-95-2	Phenol	11.	U	10.	U	10.	U	10.	U	10.	U	10.	U
111-44-4	bis(2-Chloroethyl)ether	11.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-57-8	2-Chlorophenol	11.	U	10.	U	10.	U	10.	U	10.	U	10.	U
541-73-1	1,3-Dichlorobenzene	11.	U	10.	U	10.	U	10.	U	10.	U	10.	U
106-46-7	1,4-Dichlorobenzene	11.	U	10.	U	10.	U	10.	U	10.	U	10.	U
100-51-6	Benzyl alcohol	11.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-50-1	1,2-Dichlorobenzene	11.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-48-7	2-Methylphenol (o-Cresol)	11.	U	10.	U	10.	U	10.	U	10.	U	10.	UJ
108-60-1	2,2'-oxybis(1-Chloropropane)	11.	U	10.	U	10.	U	10.	U	10.	U	10.	U
106-44-5	4-Methylphenol (p-Cresol)	11.	U	10.	U	10.	U	10.	U	10.	U	10.	U
621-64-7	N-Nitroso-di-n-propylamine	11.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
67-72-1	Hexachloroethane	11.	U	10.	U	10.	U	10.	U	10.	U	10.	U
98-95-3	Nitrobenzene	11.	U	10.	U	10.	U	10.	U	10.	U	10.	U
78-59-1	Isophorone	11.	U	10.	U	10.	U	10.	U	10.	U	10.	U
88-75-5	2-Nitrophenol	11.	U	10.	U	10.	U	10.	U	10.	U	10.	U
105-67-9	2,4-Dimethylphenol	11.	U	10.	U	10.	U	10.	U	10.	U	10.	U
65-85-0	Benzoic acid	53.	U	50.	U	3.	J	50.	U	50.	U	50.	U
111-91-1	bis(2-Chloroethoxy)methane	11.	U	10.	U	10.	U	10.	U	10.	U	10.	U
120-83-2	2,4-Dichlorophenol	11.	U	10.	U	10.	U	10.	U	10.	U	10.	U
120-82-1	1,2,4-Trichlorobenzene	11.	U	10.	U	10.	U	10.	U	10.	U	10.	U
91-20-3	Naphthalene	11.	U	10.	U	10.	U	10.	U	10.	U	10.	U
106-47-8	4-Chloroaniline	11.	U	10.	U	10.	U	10.	U	10.	U	10.	U
87-68-3	Hexachlorobutadiene	11.	U	10.	U	10.	U	10.	U	10.	U	10.	U
59-50-7	4-Chloro-3-methylphenol	11.	U	10.	U	10.	U	10.	U	10.	U	10.	U
91-57-6	2-Methylnaphthalene	11.	U	10.	U	10.	U	10.	U	10.	U	10.	U
77-47-4	Hexachlorocyclopentadiene	11.	U	10.	U	10.	UJ	10.	U	10.	U	10.	U
88-06-2	2,4,6-Trichlorophenol	11.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-95-4	2,4,5-Trichlorophenol	53.	U	50.	U	50.	U	50.	U	50.	U	50.	U
91-58-7	2-Chloronaphthalene	11.	U	10.	U	10.	U	10.	U	10.	U	10.	U
88-74-4	2-Nitroaniline	53.	U	50.	U	50.	U	50.	U	50.	U	50.	U
131-11-3	Dimethyl phthalate	11.	U	10.	U	10.	U	10.	U	10.	U	10.	U
208-96-8	Acenaphthylene	11.	U	10.	U	10.	U	10.	U	10.	U	10.	U
99-09-2	3-Nitroaniline	53.	U	50.	U	50.	U	50.	U	50.	U	50.	U
83-32-9	Acenaphthene	11.	U	10.	U	10.	U	10.	U	10.	U	10.	U
51-28-5	2,4-Dinitrophenol	53.	U	50.	U	50.	UJ	50.	U	50.	U	50.	U
100-02-7	4-Nitrophenol	53.	U	50.	U	50.	U	50.	U	50.	UJ	50.	UJ

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-SVOA													
	SAMPLE ID ------>	044-G-W008-02		044-G-W008-03		044-G-W008-04		044-G-W008-05		047-G-W001-02		047-G-W001-03	
	ORIGINAL ID ----->	044GW00802		044GW00803		044GW00804		044GW00805		047GW00102		047GW00103	
	LAB SAMPLE ID --->	24527.03		25533.02		25997.03		30339.08		24583.03		25558.02	
	ID FROM REPORT -->	044GW00802		044GW00803		044GW00804		044GW00805		047GW00102		047GW00103	
	SAMPLE DATE ----->	01/18/96		05/08/96		06/12/96		07/28/97		01/25/96		05/09/96	
	DATE EXTRACTED -->	01/19/96		05/11/96		06/14/96		07/31/97		01/26/96		05/12/96	
	DATE ANALYZED --->	01/23/96		05/22/96		06/28/96		08/07/97		01/31/96		05/28/96	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	24514	VAL	25504	VAL	25997	VAL	30257	VAL	24561	VAL	25504	VAL
132-64-9	Dibenzofuran	11.	U	10.	U	10.	U	10.	U	10.	U	10.	U
121-14-2	2,4-Dinitrotoluene	11.	U	10.	U	10.	U	10.	U	10.	U	10.	U
606-20-2	2,6-Dinitrotoluene	11.	U	10.	U	10.	U	10.	U	10.	U	10.	U
84-66-2	Diethylphthalate	11.	U	10.	U	10.	U	10.	U	10.	U	10.	U
7005-72-3	4-Chlorophenylphenylether	11.	U	10.	U	10.	U	10.	U	10.	U	10.	U
86-73-7	Fluorene	11.	U	10.	U	10.	U	10.	U	10.	U	10.	U
100-01-6	4-Nitroaniline	53.	U	50.	U	50.	U	50.	U	50.	U	50.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	53.	U	50.	U	50.	UJ	50.	U	50.	U	50.	U
86-30-6	N-Nitrosodiphenylamine	11.	U	10.	U	10.	U	10.	U	10.	U	10.	U
101-55-3	4-Bromophenyl-phenylether	11.	U	10.	U	10.	U	10.	U	10.	U	10.	U
118-74-1	Hexachlorobenzene	11.	U	10.	U	10.	U	10.	U	10.	U	10.	U
87-86-5	Pentachlorophenol	53.	U	50.	U	50.	U	50.	U	50.	UJ	50.	U
85-01-8	Phenanthrene	11.	U	10.	U	10.	U	10.	U	10.	U	10.	U
120-12-7	Anthracene	11.	U	10.	U	10.	U	10.	U	10.	U	10.	U
84-74-2	Di-n-butylphthalate	11.	U	10.	U	1.	J	10.	U	10.	U	1.	J
206-44-0	Fluoranthene	11.	U	10.	U	10.	U	10.	U	10.	U	10.	U
129-00-0	Pyrene	11.	U	10.	U	10.	U	10.	U	10.	U	10.	U
85-68-7	Butylbenzylphthalate	11.	U	10.	U	10.	U	10.	U	10.	U	1.	J
91-94-1	3,3'-Dichlorobenzidine	21.	U	20.	U	20.	U	20.	U	20.	U	20.	U
56-55-3	Benzo(a)anthracene	11.	U	10.	U	10.	U	10.	U	10.	U	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	11.	U	10.	U	10.	U	110.	B	10.	U	10.	U
218-01-9	Chrysene	11.	U	10.	U	10.	U	10.	U	10.	U	10.	U
117-84-0	Di-n-octyl phthalate	11.	U	10.	U	10.	U	10.	U	10.	U	10.	U
205-99-2	Benzo(b)fluoranthene	11.	U	10.	U	10.	U	10.	U	10.	U	10.	U
207-08-9	Benzo(k)fluoranthene	11.	U	10.	U	10.	U	10.	U	10.	U	10.	U
50-32-8	Benzo(a)pyrene	11.	U	10.	U	10.	U	10.	U	10.	U	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	11.	U	10.	U	10.	U	10.	U	10.	U	10.	U
53-70-3	Dibenz(a,h)anthracene	11.	U	10.	U	10.	U	10.	U	10.	U	10.	U
191-24-2	Benzo(g,h,i)perylene	11.	U	10.	U	10.	U	10.	U	10.	U	10.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	047-G-W001-04	047-G-W002-02	047-G-W002-03	047-G-W002-04	047-G-W003-02 RE	047-G-W003-03
	ORIGINAL ID ----->	047GW00104	047GW00202	047GW00203	047GW00204	047GW00302	047GW00303
	LAB SAMPLE ID --->	25931.04	24583.06	25533.03	25931.07	24578.04	25533.04
	ID FROM REPORT -->	047GW00104	047GW00202	047GW00203	047GW00204	047GW00302	047GW00303
	SAMPLE DATE ----->	06/07/96	01/25/96	05/08/96	06/07/96	01/24/96	05/08/96
	DATE EXTRACTED -->	06/11/96	01/26/96	05/11/96	06/11/96	02/02/96	05/11/96
	DATE ANALYZED --->	06/25/96	01/31/96	05/22/96	06/25/96	02/07/96	05/22/96
	MATRIX ---------->	Water	Water	Water	Water	Water	Water
	UNITS ----------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	25931	VAL	24561	VAL	25504	VAL	25931	VAL	24561	VAL	25504	VAL
108-95-2	Phenol	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
95-57-8	2-Chlorophenol	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
100-51-6	Benzyl alcohol	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
95-48-7	2-Methylphenol (o-Cresol)	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	UJ	10.	U	10.	U	10.	UJ	10.	UJ	10.	U
106-44-5	4-Methylphenol (p-Cresol)	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
67-72-1	Hexachloroethane	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
98-95-3	Nitrobenzene	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
78-59-1	Isophorone	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
88-75-5	2-Nitrophenol	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
105-67-9	2,4-Dimethylphenol	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
65-85-0	Benzoic acid	50.	U	50.	U	50.	U	50.	U	50.	UJ	50.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
120-83-2	2,4-Dichlorophenol	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
91-20-3	Naphthalene	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
106-47-8	4-Chloroaniline	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
87-68-3	Hexachlorobutadiene	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
91-57-6	2-Methylnaphthalene	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
95-95-4	2,4,5-Trichlorophenol	50.	U	50.	U	50.	U	50.	U	50.	UJ	50.	U
91-58-7	2-Chloronaphthalene	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
88-74-4	2-Nitroaniline	50.	U	50.	U	50.	U	50.	U	50.	UJ	50.	U
131-11-3	Dimethyl phthalate	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
208-96-8	Acenaphthylene	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
99-09-2	3-Nitroaniline	50.	U	50.	U	50.	U	50.	U	50.	UJ	50.	U
83-32-9	Acenaphthene	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
51-28-5	2,4-Dinitrophenol	50.	U	50.	U	50.	U	50.	U	50.	UJ	50.	U
100-02-7	4-Nitrophenol	50.	U	50.	U	50.	U	50.	U	50.	UJ	50.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-SVOA							
SAMPLE ID ------->	047-G-W001-04	047-G-W002-02	047-G-W002-03	047-G-W002-04	047-G-W003-02 RE	047-G-W003-03	
ORIGINAL ID ----->	047GW00104	047GW00202	047GW00203	047GW00204	047GW00302	047GW00303	
LAB SAMPLE ID --->	25931.04	24583.06	25533.03	25931.07	24578.04	25533.04	
ID FROM REPORT -->	047GW00104	047GW00202	047GW00203	047GW00204	047GW00302	047GW00303	
SAMPLE DATE ----->	06/07/96	01/25/96	05/08/96	06/07/96	01/24/96	05/08/96	
DATE EXTRACTED -->	06/11/96	01/26/96	05/11/96	06/11/96	02/02/96	05/11/96	
DATE ANALYZED --->	06/25/96	01/31/96	05/22/96	06/25/96	02/07/96	05/22/96	
MATRIX ---------->	Water	Water	Water	Water	Water	Water	
UNITS ----------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	

CAS #	Parameter	25931	VAL	24561	VAL	25504	VAL	25931	VAL	24561	VAL	25504	VAL
132-64-9	Dibenzofuran	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
84-66-2	Diethylphthalate	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
7005-72-3	4-Chlorophenylphenylether	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
86-73-7	Fluorene	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
100-01-6	4-Nitroaniline	50.	U	50.	U	50.	U	50.	U	50.	UJ	50.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	50.	U	50.	U	50.	U	50.	U	50.	UJ	50.	U
86-30-6	N-Nitrosodiphenylamine	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
118-74-1	Hexachlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
87-86-5	Pentachlorophenol	50.	U	50.	U	50.	U	50.	U	50.	UJ	50.	U
85-01-8	Phenanthrene	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
120-12-7	Anthracene	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
84-74-2	Di-n-butylphthalate	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
206-44-0	Fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
129-00-0	Pyrene	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
85-68-7	Butylbenzylphthalate	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
91-94-1	3,3'-Dichlorobenzidine	20.	U	20.	U	20.	U	20.	U	20.	UJ	20.	U
56-55-3	Benzo(a)anthracene	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	10.	U	10.	U	13.	U	10.	U	10.	UJ	10.	U
218-01-9	Chrysene	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
117-84-0	Di-n-octyl phthalate	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
50-32-8	Benzo(a)pyrene	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	047-G-W003-04	047-G-W004-02	047-G-W004-03	047-G-W004-04	047-G-W005-02	047-G-W005-03
	ORIGINAL ID ----->	047GW00304	047GW00402	047GW00403	047GW00404	047GW00502	047GW00503
	LAB SAMPLE ID --->	25951.02	24583.01	25597.03	25951.03	24578.01	25597.04
	ID FROM REPORT -->	047GW00304	047GW00402	047GW00403	047GW00404	047GW00502	047GW00503
	SAMPLE DATE ----->	06/10/96	01/25/96	05/13/96	06/10/96	01/24/96	05/13/96
	DATE EXTRACTED -->	06/12/96	01/26/96	05/15/96	06/12/96	01/26/96	05/15/96
	DATE ANALYZED --->	06/27/96	01/31/96	05/31/96	06/27/96	02/01/96	05/31/96
	MATRIX ---------->	Water	Water	Water	Water	Water	Water
	UNITS ----------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	25931	VAL	24561	VAL	25568	VAL	25931	VAL	24561	VAL	25568	VAL
108-95-2	Phenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-57-8	2-Chlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
100-51-6	Benzyl alcohol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-48-7	2-Methylphenol (o-Cresol)	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
106-44-5	4-Methylphenol (p-Cresol)	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
67-72-1	Hexachloroethane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
98-95-3	Nitrobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
78-59-1	Isophorone	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
88-75-5	2-Nitrophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
105-67-9	2,4-Dimethylphenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
65-85-0	Benzoic acid	50.	U	50.	U	50.	U	1.	J	50.	U	50.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
120-83-2	2,4-Dichlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
91-20-3	Naphthalene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
106-47-8	4-Chloroaniline	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
87-68-3	Hexachlorobutadiene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
91-57-6	2-Methylnaphthalene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U	10.	U	10.	UJ	10.	U	10.	U	10.	UJ
88-06-2	2,4,6-Trichlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-95-4	2,4,5-Trichlorophenol	50.	U	50.	U	50.	U	50.	U	50.	U	50.	U
91-58-7	2-Chloronaphthalene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
88-74-4	2-Nitroaniline	50.	U	50.	U	50.	U	50.	U	50.	U	50.	U
131-11-3	Dimethyl phthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
208-96-8	Acenaphthylene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
99-09-2	3-Nitroaniline	50.	U	50.	U	50.	U	50.	U	50.	U	50.	U
83-32-9	Acenaphthene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
51-28-5	2,4-Dinitrophenol	50.	U	50.	U	50.	U	50.	U	50.	U	50.	U
100-02-7	4-Nitrophenol	50.	U	50.	U	50.	U	50.	U	50.	U	50.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-SVOA						
SAMPLE ID ------->	047-G-W003-04	047-G-W004-02	047-G-W004-03	047-G-W004-04	047-G-W005-02	047-G-W005-03
ORIGINAL ID ----->	047GW00304	047GW00402	047GW00403	047GW00404	047GW00502	047GW00503
LAB SAMPLE ID --->	25951.02	24583.01	25597.03	25951.03	24578.01	25597.04
ID FROM REPORT -->	047GW00304	047GW00402	047GW00403	047GW00404	047GW00502	047GW00503
SAMPLE DATE ----->	06/10/96	01/25/96	05/13/96	06/10/96	01/24/96	05/13/96
DATE EXTRACTED -->	06/12/96	01/26/96	05/15/96	06/12/96	01/26/96	05/15/96
DATE ANALYZED --->	06/27/96	01/31/96	05/31/96	06/27/96	02/01/96	05/31/96
MATRIX ---------->	Water	Water	Water	Water	Water	Water
UNITS ----------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	25931	VAL	24561	VAL	25568	VAL	25931	VAL	24561	VAL	25568	VAL
132-64-9	Dibenzofuran	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
84-66-2	Diethylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
7005-72-3	4-Chlorophenylphenylether	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
86-73-7	Fluorene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
100-01-6	4-Nitroaniline	50.	U	50.	U	50.	U	50.	U	50.	U	50.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	50.	U	50.	U	50.	U	50.	U	50.	U	50.	U
86-30-6	N-Nitrosodiphenylamine	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
118-74-1	Hexachlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
87-86-5	Pentachlorophenol	50.	U	50.	U	50.	U	50.	U	50.	U	50.	U
85-01-8	Phenanthrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
120-12-7	Anthracene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
84-74-2	Di-n-butylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
206-44-0	Fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
129-00-0	Pyrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
85-68-7	Butylbenzylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
91-94-1	3,3'-Dichlorobenzidine	20.	U	20.	U	20.	U	20.	U	20.	U	20.	U
56-55-3	Benzo(a)anthracene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
218-01-9	Chrysene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
117-84-0	Di-n-octyl phthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
50-32-8	Benzo(a)pyrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-SVOA						
SAMPLE ID ------->	047-G-W005-04	047-G-W006-02	047-G-W006-03	047-G-W006-04	047-G-W007-02	047-G-W007-03
ORIGINAL ID ----->	047GW00504	047GW00602	047GW00603	047GW00604	047GW00702	047GW00703
LAB SAMPLE ID --->	25951.04	24578.02	25606.03	25985.04	24583.08	25606.04
ID FROM REPORT -->	047GW00504	047GW00602	047GW00603	047GW00604	047GW00702	047GW00703
SAMPLE DATE ----->	06/10/96	01/24/96	05/14/96	06/11/96	01/25/96	05/14/96
DATE EXTRACTED -->	06/12/96	01/26/96	05/16/96	06/13/96	01/26/96	05/16/96
DATE ANALYZED --->	06/27/96	02/01/96	05/31/96	06/27/96	01/31/96	05/31/96
MATRIX ---------->	Water	Water	Water	Water	Water	Water
UNITS ----------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	25931	VAL	24561	VAL	25568	VAL	25931	VAL	24561	VAL	25568	VAL
108-95-2	Phenol	10.	U	10.	U	10.	U	10.	U	10.	U	1.	J
111-44-4	bis(2-Chloroethyl)ether	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-57-8	2-Chlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
100-51-6	Benzyl alcohol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-48-7	2-Methylphenol (o-Cresol)	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
106-44-5	4-Methylphenol (p-Cresol)	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
67-72-1	Hexachloroethane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
98-95-3	Nitrobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
78-59-1	Isophorone	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
88-75-5	2-Nitrophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
105-67-9	2,4-Dimethylphenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
65-85-0	Benzoic acid	1.	J	50.	U	50.	UJ	50.	U	50.	U	50.	UJ
111-91-1	bis(2-Chloroethoxy)methane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
120-83-2	2,4-Dichlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
91-20-3	Naphthalene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
106-47-8	4-Chloroaniline	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
87-68-3	Hexachlorobutadiene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
91-57-6	2-Methylnaphthalene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U	10.	U	10.	UJ	10.	U	10.	U	10.	UJ
88-06-2	2,4,6-Trichlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-95-4	2,4,5-Trichlorophenol	50.	U	50.	U	50.	U	50.	U	50.	U	50.	U
91-58-7	2-Chloronaphthalene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
88-74-4	2-Nitroaniline	50.	U	50.	U	50.	U	50.	U	50.	U	50.	U
131-11-3	Dimethyl phthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
208-96-8	Acenaphthylene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
99-09-2	3-Nitroaniline	50.	U	50.	U	50.	U	50.	U	50.	U	50.	U
83-32-9	Acenaphthene	10.	U	2.	J	2.	J	2.	J	10.	U	10.	U
51-28-5	2,4-Dinitrophenol	50.	U	50.	U	50.	U	50.	U	50.	U	50.	U
100-02-7	4-Nitrophenol	50.	U	50.	U	50.	U	50.	U	50.	U	50.	U

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-SVOA						
SAMPLE ID ------->	047-G-W005-04	047-G-W006-02	047-G-W006-03	047-G-W006-04	047-G-W007-02	047-G-W007-03
ORIGINAL ID ----->	047GW00504	047GW00602	047GW00603	047GW00604	047GW00702	047GW00703
LAB SAMPLE ID --->	25951.04	24578.02	25606.03	25985.04	24583.08	25606.04
ID FROM REPORT -->	047GW00504	047GW00602	047GW00603	047GW00604	047GW00702	047GW00703
SAMPLE DATE ----->	06/10/96	01/24/96	05/14/96	06/11/96	01/25/96	05/14/96
DATE EXTRACTED -->	06/12/96	01/26/96	05/16/96	06/13/96	01/26/96	05/16/96
DATE ANALYZED --->	06/27/96	02/01/96	05/31/96	06/27/96	01/31/96	05/31/96
MATRIX ---------->	Water	Water	Water	Water	Water	Water
UNITS ----------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	25931	VAL	24561	VAL	25568	VAL	25931	VAL	24561	VAL	25568	VAL
132-64-9	Dibenzofuran	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
84-66-2	Diethylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
7005-72-3	4-Chlorophenylphenylether	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
86-73-7	Fluorene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
100-01-6	4-Nitroaniline	50.	U	50.	U	50.	U	50.	U	50.	U	50.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	50.	U	50.	U	50.	U	50.	U	50.	U	50.	U
86-30-6	N-Nitrosodiphenylamine	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
118-74-1	Hexachlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
87-86-5	Pentachlorophenol	50.	U	50.	U	50.	U	50.	U	50.	U	50.	U
85-01-8	Phenanthrene	10.	U	6.	J	6.	J	5.	J	10.	U	10.	U
120-12-7	Anthracene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
84-74-2	Di-n-butylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
206-44-0	Fluoranthene	10.	U	2.	J	2.	J	3.	J	10.	U	10.	U
129-00-0	Pyrene	10.	U	1.	J	1.	J	2.	J	10.	U	10.	U
85-68-7	Butylbenzylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
91-94-1	3,3'-Dichlorobenzidine	20.	U	20.	U	20.	UJ	20.	U	20.	U	20.	UJ
56-55-3	Benzo(a)anthracene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
218-01-9	Chrysene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
117-84-0	Di-n-octyl phthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
50-32-8	Benzo(a)pyrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U	10.	U	10.	UJ	10.	U	10.	U	10.	UJ
53-70-3	Dibenz(a,h)anthracene	10.	U	10.	U	10.	UJ	10.	U	10.	U	10.	UJ
191-24-2	Benzo(g,h,i)perylene	10.	U	10.	U	10.	UJ	10.	U	10.	U	10.	UJ

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	047-G-W007-04	047-G-W008-02	047-G-W008-03	047-G-W008-04	047-G-W009-02	047-G-W009-03
	ORIGINAL ID ----->	047GW00704	047GW00802	047GW00803	047GW00804	047GW00902	047GW00903
	LAB SAMPLE ID --->	25985.05	24583.07	25625.01	25997.04	24593.01	25625.02
	ID FROM REPORT -->	047GW00704	047GW00802	047GW00803	047GW00804	047GW00902	047GW00903
	SAMPLE DATE ----->	06/11/96	01/25/96	05/15/96	06/12/96	01/26/96	05/15/96
	DATE EXTRACTED -->	06/13/96	01/26/96	05/17/96	06/14/96	01/29/96	05/17/96
	DATE ANALYZED --->	06/27/96	01/31/96	05/29/96	06/27/96	02/02/96	05/30/96
	MATRIX ---------->	Water	Water	Water	Water	Water	Water
	UNITS ----------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	25931	VAL	24561	VAL	25568	VAL	25997	VAL	24593	VAL	25568	VAL
108-95-2	Phenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-57-8	2-Chlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
100-51-6	Benzyl alcohol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-48-7	2-Methylphenol (o-Cresol)	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
106-44-5	4-Methylphenol (p-Cresol)	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
67-72-1	Hexachloroethane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
98-95-3	Nitrobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
78-59-1	Isophorone	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
88-75-5	2-Nitrophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
105-67-9	2,4-Dimethylphenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
65-85-0	Benzoic acid	50.	U	50.	U	50.	UJ	50.	U	50.	UJ	50.	UJ
111-91-1	bis(2-Chloroethoxy)methane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
120-83-2	2,4-Dichlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
91-20-3	Naphthalene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
106-47-8	4-Chloroaniline	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
87-68-3	Hexachlorobutadiene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
91-57-6	2-Methylnaphthalene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	UJ
77-47-4	Hexachlorocyclopentadiene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-95-4	2,4,5-Trichlorophenol	50.	U	50.	U	50.	U	50.	U	50.	U	50.	U
91-58-7	2-Chloronaphthalene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
88-74-4	2-Nitroaniline	50.	U	50.	U	50.	U	50.	U	50.	U	50.	U
131-11-3	Dimethyl phthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
208-96-8	Acenaphthylene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
99-09-2	3-Nitroaniline	50.	U	50.	U	50.	U	50.	U	50.	U	50.	U
83-32-9	Acenaphthene	10.	U	10.	U	10.	U	10.	U	3.	J	1.	J
51-28-5	2,4-Dinitrophenol	50.	U	50.	U	50.	UJ	50.	U	50.	U	50.	UJ
100-02-7	4-Nitrophenol	50.	U	50.	U	50.	U	50.	U	50.	U	50.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-SVOA						
SAMPLE ID ------->	047-G-W007-04	047-G-W008-02	047-G-W008-03	047-G-W008-04	047-G-W009-02	047-G-W009-03
ORIGINAL ID ----->	047GW00704	047GW00802	047GW00803	047GW00804	047GW00902	047GW00903
LAB SAMPLE ID --->	25985.05	24583.07	25625.01	25997.04	24593.01	25625.02
ID FROM REPORT -->	047GW00704	047GW00802	047GW00803	047GW00804	047GW00902	047GW00903
SAMPLE DATE ----->	06/11/96	01/25/96	05/15/96	06/12/96	01/26/96	05/15/96
DATE EXTRACTED -->	06/13/96	01/26/96	05/17/96	06/14/96	01/29/96	05/17/96
DATE ANALYZED --->	06/27/96	01/31/96	05/29/96	06/27/96	02/02/96	05/30/96
MATRIX ---------->	Water	Water	Water	Water	Water	Water
UNITS ----------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	25931	VAL	24561	VAL	25568	VAL	25997	VAL	24593	VAL	25568	VAL
132-64-9	Dibenzofuran	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
84-66-2	Diethylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
7005-72-3	4-Chlorophenylphenylether	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
86-73-7	Fluorene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
100-01-6	4-Nitroaniline	50.	U	50.	U	50.	U	50.	U	50.	U	50.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	50.	U	50.	U	50.	UJ	50.	U	50.	U	50.	UJ
86-30-6	N-Nitrosodiphenylamine	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
118-74-1	Hexachlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
87-86-5	Pentachlorophenol	50.	U	50.	U	50.	U	50.	U	50.	U	50.	U
85-01-8	Phenanthrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
120-12-7	Anthracene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
84-74-2	Di-n-butylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
206-44-0	Fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
129-00-0	Pyrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
85-68-7	Butylbenzylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
91-94-1	3,3'-Dichlorobenzidine	20.	U	20.	U	20.	U	20.	U	20.	U	20.	UJ
56-55-3	Benzo(a)anthracene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	10.	U	10.	U	10.	U	15.	U	10.	U	10.	U
218-01-9	Chrysene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
117-84-0	Di-n-octyl phthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	UJ
50-32-8	Benzo(a)pyrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U	10.	U	10.	UJ	10.	U	10.	U	10.	UJ
53-70-3	Dibenz(a,h)anthracene	10.	U	10.	U	10.	UJ	10.	U	10.	U	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-SVOA							
SAMPLE ID ------->	047-G-W009-04	047-G-W010-02	047-G-W010-03	047-G-W010-04	047-G-W011-02	047-G-W011-03
ORIGINAL ID ----->	047GW00904	047GW01002	047GW01003	047GW01004	047GW01102	047GW01103
LAB SAMPLE ID --->	25997.05	24583.10	25606.01	25997.06	24561.01	25606.02
ID FROM REPORT -->	047GW00904	047GW01002	047GW01003	047GW01004	047GW01102	047GW01103
SAMPLE DATE ----->	06/12/96	01/25/96	05/14/96	06/12/96	01/23/96	05/14/96
DATE EXTRACTED -->	06/14/96	01/26/96	05/16/96	06/14/96	01/25/96	05/16/96
DATE ANALYZED --->	06/27/96	01/31/96	05/31/96	06/27/96	01/29/96	05/31/96
MATRIX ---------->	Water	Water	Water	Water	Water	Water
UNITS ----------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	25997	VAL	24561	VAL	25568	VAL	25997	VAL	24561	VAL	25568	VAL
108-95-2	Phenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-57-8	2-Chlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
100-51-6	Benzyl alcohol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-48-7	2-Methylphenol (o-Cresol)	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
106-44-5	4-Methylphenol (p-Cresol)	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
67-72-1	Hexachloroethane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
98-95-3	Nitrobenzene	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
78-59-1	Isophorone	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
88-75-5	2-Nitrophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
105-67-9	2,4-Dimethylphenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
65-85-0	Benzoic acid	3.	J	50.	U	50.	UJ	50.	U	50.	U	50.	UJ
111-91-1	bis(2-Chloroethoxy)methane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
120-83-2	2,4-Dichlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
91-20-3	Naphthalene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
106-47-8	4-Chloroaniline	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
87-68-3	Hexachlorobutadiene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
91-57-6	2-Methylnaphthalene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U	10.	U	10.	UJ	10.	U	10.	U	10.	UJ
88-06-2	2,4,6-Trichlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-95-4	2,4,5-Trichlorophenol	50.	U	50.	U	50.	U	50.	U	50.	U	50.	U
91-58-7	2-Chloronaphthalene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
88-74-4	2-Nitroaniline	50.	U	50.	U	50.	U	50.	U	50.	U	50.	U
131-11-3	Dimethyl phthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
208-96-8	Acenaphthylene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
99-09-2	3-Nitroaniline	50.	U	50.	U	50.	U	50.	U	50.	U	50.	U
83-32-9	Acenaphthene	1.	J	10.	U	10.	U	10.	U	10.	U	10.	U
51-28-5	2,4-Dinitrophenol	50.	U	50.	U	50.	U	50.	U	50.	U	50.	U
100-02-7	4-Nitrophenol	50.	U	50.	U	50.	U	50.	U	50.	U	50.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-SVOA						
SAMPLE ID ------->	047-G-W009-04	047-G-W010-02	047-G-W010-03	047-G-W010-04	047-G-W011-02	047-G-W011-03
ORIGINAL ID ----->	047GW00904	047GW01002	047GW01003	047GW01004	047GW01102	047GW01103
LAB SAMPLE ID --->	25997.05	24583.10	25606.01	25997.06	24561.01	25606.02
ID FROM REPORT -->	047GW00904	047GW01002	047GW01003	047GW01004	047GW01102	047GW01103
SAMPLE DATE ----->	06/12/96	01/25/96	05/14/96	06/12/96	01/23/96	05/14/96
DATE EXTRACTED -->	06/14/96	01/26/96	05/16/96	06/14/96	01/25/96	05/16/96
DATE ANALYZED --->	06/27/96	01/31/96	05/31/96	06/27/96	01/29/96	05/31/96
MATRIX ---------->	Water	Water	Water	Water	Water	Water
UNITS ----------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	25997	VAL	24561	VAL	25568	VAL	25997	VAL	24561	VAL	25568	VAL
132-64-9	Dibenzofuran	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
84-66-2	Diethylphthalate	1.	J	10.	U	10.	U	10.	U	10.	U	10.	U
7005-72-3	4-Chlorophenylphenylether	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
86-73-7	Fluorene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
100-01-6	4-Nitroaniline	50.	U	50.	U	50.	U	50.	U	50.	U	50.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	50.	U	50.	U	50.	U	50.	U	50.	U	50.	U
86-30-6	N-Nitrosodiphenylamine	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
118-74-1	Hexachlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
87-86-5	Pentachlorophenol	50.	U	50.	U	50.	U	50.	U	50.	U	50.	U
85-01-8	Phenanthrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
120-12-7	Anthracene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
84-74-2	Di-n-butylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
206-44-0	Fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
129-00-0	Pyrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
85-68-7	Butylbenzylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
91-94-1	3,3'-Dichlorobenzidine	20.	U	20.	U	20.	UJ	20.	U	20.	U	20.	UJ
56-55-3	Benzo(a)anthracene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
218-01-9	Chrysene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
117-84-0	Di-n-octyl phthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
50-32-8	Benzo(a)pyrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U	10.	U	10.	UJ	10.	U	10.	U	10.	UJ
53-70-3	Dibenz(a,h)anthracene	10.	U	10.	U	10.	UJ	10.	U	10.	U	10.	UJ
191-24-2	Benzo(g,h,i)perylene	10.	U	10.	U	10.	UJ	10.	U	10.	U	10.	UJ

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	047-G-W011-04	047-G-W012-02	047-G-W012-03	047-G-W012-04	047-G-W013-02	047-G-W013-03
	ORIGINAL ID ----->	047GW01104	047GW01202	047GW01203	047GW01204	047GW01302	047GW01303
	LAB SAMPLE ID --->	26016.03	24561.02	25558.05	26016.04	24578.03	25568.04
	ID FROM REPORT -->	047GW01104	047GW01202	047GW01203	047GW01204	047GW01302	047GW01303
	SAMPLE DATE ----->	06/13/96	01/23/96	05/09/96	06/13/96	01/24/96	05/10/96
	DATE EXTRACTED -->	06/17/96	01/25/96	05/12/96	06/17/96	01/26/96	05/13/96
	DATE ANALYZED --->	06/28/96	01/29/96	05/28/96	06/28/96	02/01/96	05/23/96
	MATRIX ---------->	Water	Water	Water	Water	Water	Water
	UNITS ----------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	25997	VAL	24561	VAL	25504	VAL	25997	VAL	24561	VAL	25568	VAL
108-95-2	Phenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-57-8	2-Chlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
100-51-6	Benzyl alcohol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-48-7	2-Methylphenol (o-Cresol)	10.	U	10.	U	10.	UJ	10.	U	10.	U	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
106-44-5	4-Methylphenol (p-Cresol)	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
67-72-1	Hexachloroethane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
98-95-3	Nitrobenzene	10.	U	10.	UJ	10.	U	10.	U	10.	U	10.	U
78-59-1	Isophorone	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
88-75-5	2-Nitrophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
105-67-9	2,4-Dimethylphenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
65-85-0	Benzoic acid	50.	U	50.	U	50.	U	50.	U	50.	U	50.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
120-83-2	2,4-Dichlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
91-20-3	Naphthalene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
106-47-8	4-Chloroaniline	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
87-68-3	Hexachlorobutadiene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
91-57-6	2-Methylnaphthalene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-95-4	2,4,5-Trichlorophenol	50.	U	50.	U	50.	U	50.	U	50.	U	50.	U
91-58-7	2-Chloronaphthalene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
88-74-4	2-Nitroaniline	50.	U	50.	U	50.	U	50.	U	50.	U	50.	U
131-11-3	Dimethyl phthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
208-96-8	Acenaphthylene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
99-09-2	3-Nitroaniline	50.	U	50.	U	50.	U	50.	U	50.	U	50.	U
83-32-9	Acenaphthene	10.	U	10.	U	10.	U	10.	U	1.	J	10.	U
51-28-5	2,4-Dinitrophenol	50.	U	50.	U	50.	U	50.	U	50.	U	50.	U
100-02-7	4-Nitrophenol	50.	U	50.	U	50.	U	50.	U	50.	U	50.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-SVOA							
SAMPLE ID ------->	047-G-W011-04	047-G-W012-02	047-G-W012-03	047-G-W012-04	047-G-W013-02	047-G-W013-03
ORIGINAL ID ----->	047GW01104	047GW01202	047GW01203	047GW01204	047GW01302	047GW01303
LAB SAMPLE ID --->	26016.03	24561.02	25558.05	26016.04	24578.03	25568.04
ID FROM REPORT -->	047GW01104	047GW01202	047GW01203	047GW01204	047GW01302	047GW01303
SAMPLE DATE ----->	06/13/96	01/23/96	05/09/96	06/13/96	01/24/96	05/10/96
DATE EXTRACTED -->	06/17/96	01/25/96	05/12/96	06/17/96	01/26/96	05/13/96
DATE ANALYZED --->	06/28/96	01/29/96	05/28/96	06/28/96	02/01/96	05/23/96
MATRIX ---------->	Water	Water	Water	Water	Water	Water
UNITS ----------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	25997	VAL	24561	VAL	25504	VAL	25997	VAL	24561	VAL	25568	VAL
132-64-9	Dibenzofuran	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
84-66-2	Diethylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
7005-72-3	4-Chlorophenylphenylether	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
86-73-7	Fluorene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
100-01-6	4-Nitroaniline	50.	U	50.	U	50.	U	50.	U	50.	U	50.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	50.	U	50.	U	50.	U	50.	U	50.	U	50.	U
86-30-6	N-Nitrosodiphenylamine	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
118-74-1	Hexachlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
87-86-5	Pentachlorophenol	50.	U	50.	U	50.	U	50.	U	50.	U	50.	U
85-01-8	Phenanthrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
120-12-7	Anthracene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
84-74-2	Di-n-butylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
206-44-0	Fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
129-00-0	Pyrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
85-68-7	Butylbenzylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
91-94-1	3,3'-Dichlorobenzidine	20.	UJ	20.	U	20.	U	20.	UJ	20.	U	20.	U
56-55-3	Benzo(a)anthracene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
218-01-9	Chrysene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
117-84-0	Di-n-octyl phthalate	1.	J	10.	U	10.	U	10.	U	10.	U	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	UJ
50-32-8	Benzo(a)pyrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	047-G-W013-04	047-G-W015-02	047-G-W015-03	047-G-W015-04	GDC-G-W001-02	GDC-G-W001-03
	ORIGINAL ID ----->	047GW01304	047GW01502	047GW01503	047GW01504	GDCGW00102	GDCGW00103
	LAB SAMPLE ID --->	26028.01	24583.02	25568.05	26028.02	24543.01	25504.03
	ID FROM REPORT -->	047GW01304	047GW01502	047GW01503	047GW01504	GDCGW00102	GDCGW00103
	SAMPLE DATE ----->	06/14/96	01/25/96	05/10/96	06/14/96	01/22/96	05/06/96
	DATE EXTRACTED -->	06/18/96	01/26/96	05/13/96	06/18/96	01/23/96	05/08/96
	DATE ANALYZED --->	07/03/96	01/31/96	05/23/96	07/03/96	01/24/96	05/15/96
	MATRIX ---------->	Water	Water	Water	Water	Water	Water
	UNITS ----------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	25997	VAL	24561	VAL	25568	VAL	25997	VAL	24514	VAL	25504	VAL
108-95-2	Phenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-57-8	2-Chlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
100-51-6	Benzyl alcohol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-48-7	2-Methylphenol (o-Cresol)	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
106-44-5	4-Methylphenol (p-Cresol)	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U	10.	U	10.	U	10.	U	10.	U	10.	UJ
67-72-1	Hexachloroethane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
98-95-3	Nitrobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
78-59-1	Isophorone	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
88-75-5	2-Nitrophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
105-67-9	2,4-Dimethylphenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
65-85-0	Benzoic acid	1.	J	50.	U	4.	J	6.	J	50.	UJ	50.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
120-83-2	2,4-Dichlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
91-20-3	Naphthalene	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
106-47-8	4-Chloroaniline	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
87-68-3	Hexachlorobutadiene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
91-57-6	2-Methylnaphthalene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	UJ
88-06-2	2,4,6-Trichlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-95-4	2,4,5-Trichlorophenol	50.	U	50.	U	50.	U	50.	U	50.	U	50.	U
91-58-7	2-Chloronaphthalene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
88-74-4	2-Nitroaniline	50.	U	50.	U	50.	U	50.	U	50.	U	50.	U
131-11-3	Dimethyl phthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
208-96-8	Acenaphthylene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
99-09-2	3-Nitroaniline	50.	UJ	50.	U	50.	U	50.	UJ	50.	U	50.	U
83-32-9	Acenaphthene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
51-28-5	2,4-Dinitrophenol	50.	UJ	50.	U	50.	U	50.	UJ	50.	UJ	50.	U
100-02-7	4-Nitrophenol	50.	U	50.	U	50.	U	50.	U	50.	UJ	50.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-SVOA													
	SAMPLE ID ------>	047-G-W013-04		047-G-W015-02		047-G-W015-03		047-G-W015-04		GDC-G-W001-02		GDC-G-W001-03	
	ORIGINAL ID ----->	047GW01304		047GW01502		047GW01503		047GW01504		GDCGW00102		GDCGW00103	
	LAB SAMPLE ID --->	26028.01		24583.02		25568.05		26028.02		24543.01		25504.03	
	ID FROM REPORT -->	047GW01304		047GW01502		047GW01503		047GW01504		GDCGW00102		GDCGW00103	
	SAMPLE DATE ----->	06/14/96		01/25/96		05/10/96		06/14/96		01/22/96		05/06/96	
	DATE EXTRACTED -->	06/18/96		01/26/96		05/13/96		06/18/96		01/23/96		05/08/96	
	DATE ANALYZED --->	07/03/96		01/31/96		05/23/96		07/03/96		01/24/96		05/15/96	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	25997	VAL	24561	VAL	25568	VAL	25997	VAL	24514	VAL	25504	VAL
132-64-9	Dibenzofuran	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
121-14-2	2,4-Dinitrotoluene	10.	UJ	10.	U	10.	U	10.	UJ	10.	U	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
84-66-2	Diethylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
7005-72-3	4-Chlorophenylphenylether	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
86-73-7	Fluorene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
100-01-6	4-Nitroaniline	50.	UJ	50.	U	50.	U	50.	UJ	50.	U	50.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	50.	U	50.	U	50.	U	50.	U	50.	U	50.	U
86-30-6	N-Nitrosodiphenylamine	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
118-74-1	Hexachlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
87-86-5	Pentachlorophenol	50.	U	50.	U	50.	U	50.	U	50.	U	50.	U
85-01-8	Phenanthrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
120-12-7	Anthracene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
84-74-2	Di-n-butylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
206-44-0	Fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
129-00-0	Pyrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
85-68-7	Butylbenzylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
91-94-1	3,3'-Dichlorobenzidine	20.	U	20.	U	20.	U	20.	U	20.	UJ	20.	UJ
56-55-3	Benzo(a)anthracene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	10.	U	10.	U	12.	U	10.	U	10.	U	10.	U
218-01-9	Chrysene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
117-84-0	Di-n-octyl phthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U	10.	U	10.	UJ	10.	U	10.	U	10.	U
50-32-8	Benzo(a)pyrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-SVOA	SAMPLE ID ------->	GDC-G-W001-04	GDC-G-W002-02	GDC-G-W002-03	GDC-G-W002-04	GDC-G-W01D-02	GDC-G-W01D-03
	ORIGINAL ID ----->	GDCGW00104	GDCGW00202	GDCGW00203	GDCGW00204	GDCGW01D02	GDCGW01D03
	LAB SAMPLE ID --->	25997.01	24536.01	25513.03	26016.01	24543.02	25504.04
	ID FROM REPORT -->	GDCGW00104	GDCGW00202	GDCGW00203	GDCGW00204	GDCGW01D02	GDCGW01D03
	SAMPLE DATE ----->	06/12/96	01/19/96	05/07/96	06/13/96	01/22/96	05/06/96
	DATE EXTRACTED -->	06/14/96	01/22/96	05/09/96	06/17/96	01/23/96	05/08/96
	DATE ANALYZED --->	06/27/96	01/24/96	05/17/96	06/28/96	01/24/96	05/15/96
	MATRIX ---------->	Water	Water	Water	Water	Water	Water
	UNITS ---------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	25997	VAL	24514	VAL	25504	VAL	25997	VAL	24514	VAL	25504	VAL
108-95-2	Phenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-57-8	2-Chlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
100-51-6	Benzyl alcohol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-48-7	2-Methylphenol (o-Cresol)	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
106-44-5	4-Methylphenol (p-Cresol)	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U	10.	U	10.	U	10.	U	10.	U	10.	UJ
67-72-1	Hexachloroethane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
98-95-3	Nitrobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
78-59-1	Isophorone	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
88-75-5	2-Nitrophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
105-67-9	2,4-Dimethylphenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
65-85-0	Benzoic acid	50.	U	53.	U	50.	UJ	50.	U	50.	UJ	50.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
120-83-2	2,4-Dichlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
91-20-3	Naphthalene	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
106-47-8	4-Chloroaniline	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
87-68-3	Hexachlorobutadiene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
91-57-6	2-Methylnaphthalene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U	10.	U	10.	UJ	10.	U	10.	U	10.	UJ
88-06-2	2,4,6-Trichlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-95-4	2,4,5-Trichlorophenol	50.	U	53.	U	50.	U	50.	U	50.	U	50.	U
91-58-7	2-Chloronaphthalene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
88-74-4	2-Nitroaniline	50.	U	53.	U	50.	U	50.	U	50.	U	50.	U
131-11-3	Dimethyl phthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
208-96-8	Acenaphthylene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
99-09-2	3-Nitroaniline	50.	U	53.	U	50.	U	50.	U	50.	U	50.	U
83-32-9	Acenaphthene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
51-28-5	2,4-Dinitrophenol	50.	U	53.	U	50.	U	50.	U	50.	UJ	50.	U
100-02-7	4-Nitrophenol	50.	U	53.	U	50.	U	50.	U	50.	UJ	50.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-SVOA													
	SAMPLE ID ------->	GDC-G-W001-04		GDC-G-W002-02		GDC-G-W002-03		GDC-G-W002-04		GDC-G-W01D-02		GDC-G-W01D-03	
	ORIGINAL ID ----->	GDCGW00104		GDCGW00202		GDCGW00203		GDCGW00204		GDCGW01D02		GDCGW01D03	
	LAB SAMPLE ID --->	25997.01		24536.01		25513.03		26016.01		24543.02		25504.04	
	ID FROM REPORT -->	GDCGW00104		GDCGW00202		GDCGW00203		GDCGW00204		GDCGW01D02		GDCGW01D03	
	SAMPLE DATE ----->	06/12/96		01/19/96		05/07/96		06/13/96		01/22/96		05/06/96	
	DATE EXTRACTED -->	06/14/96		01/22/96		05/09/96		06/17/96		01/23/96		05/08/96	
	DATE ANALYZED --->	06/27/96		01/24/96		05/17/96		06/28/96		01/24/96		05/15/96	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ----------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	25997	VAL	24514	VAL	25504	VAL	25997	VAL	24514	VAL	25504	VAL
132-64-9	Dibenzofuran	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
84-66-2	Diethylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
7005-72-3	4-Chlorophenylphenylether	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
86-73-7	Fluorene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
100-01-6	4-Nitroaniline	50.	U	53.	U	50.	U	50.	U	50.	U	50.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	50.	U	53.	U	50.	U	50.	U	50.	U	50.	U
86-30-6	N-Nitrosodiphenylamine	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
118-74-1	Hexachlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
87-86-5	Pentachlorophenol	50.	U	53.	U	50.	U	50.	U	50.	U	50.	U
85-01-8	Phenanthrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
120-12-7	Anthracene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
84-74-2	Di-n-butylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
206-44-0	Fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
129-00-0	Pyrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
85-68-7	Butylbenzylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
91-94-1	3,3'-Dichlorobenzidine	20.	U	21.	U	20.	U	20.	UJ	20.	UJ	20.	UJ
56-55-3	Benzo(a)anthracene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
218-01-9	Chrysene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
117-84-0	Di-n-octyl phthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
50-32-8	Benzo(a)pyrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-SVOA												
	SAMPLE ID ------>	GDC-G-W01D-04		GDC-G-W02D-02		GDC-G-W02D-03		GDC-G-W02D-04				
	ORIGINAL ID ----->	GDCGW01D04		GDCGW02D02		GDCGW02D03		GDCGW02D04				
	LAB SAMPLE ID --->	25997.02		24536.02		25513.04		26016.02				
	ID FROM REPORT -->	GDCGW01D04		GDCGW02D02		GDCGW02D03		GDCGW02D04				
	SAMPLE DATE ----->	06/12/96		01/19/96		05/07/96		06/13/96				
	DATE EXTRACTED -->	06/14/96		01/22/96		05/09/96		06/17/96				
	DATE ANALYZED --->	07/05/96		01/24/96		05/17/96		06/28/96				
	MATRIX ---------->	Water		Water		Water		Water				
	UNITS ----------->	UG/L		UG/L		UG/L		UG/L				
CAS #	Parameter	25997	VAL	24514	VAL	25504	VAL	25997	VAL			
108-95-2	Phenol	10.	U	11.	U	10.	U	10.	U			
111-44-4	bis(2-Chloroethyl)ether	10.	U	11.	U	10.	U	10.	U			
95-57-8	2-Chlorophenol	10.	U	11.	U	10.	U	10.	U			
541-73-1	1,3-Dichlorobenzene	10.	U	11.	U	10.	U	10.	U			
106-46-7	1,4-Dichlorobenzene	10.	U	11.	U	10.	U	10.	U			
100-51-6	Benzyl alcohol	10.	U	11.	U	10.	U	10.	U			
95-50-1	1,2-Dichlorobenzene	10.	U	11.	U	10.	U	10.	U			
95-48-7	2-Methylphenol (o-Cresol)	10.	U	11.	U	10.	U	10.	U			
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U	11.	U	10.	U	10.	U			
106-44-5	4-Methylphenol (p-Cresol)	10.	U	11.	U	10.	U	10.	U			
621-64-7	N-Nitroso-di-n-propylamine	10.	U	11.	U	10.	U	10.	U			
67-72-1	Hexachloroethane	10.	U	11.	U	10.	U	10.	U			
98-95-3	Nitrobenzene	10.	U	11.	U	10.	U	10.	U			
78-59-1	Isophorone	10.	U	11.	U	10.	U	10.	U			
88-75-5	2-Nitrophenol	10.	U	11.	U	10.	U	10.	U			
105-67-9	2,4-Dimethylphenol	10.	U	11.	U	10.	U	10.	U			
65-85-0	Benzoic acid	50.	U	56.	U	50.	UJ	50.	U			
111-91-1	bis(2-Chloroethoxy)methane	10.	U	11.	U	10.	U	10.	U			
120-83-2	2,4-Dichlorophenol	10.	U	11.	U	10.	U	10.	U			
120-82-1	1,2,4-Trichlorobenzene	10.	U	11.	U	10.	U	10.	U			
91-20-3	Naphthalene	10.	U	11.	U	10.	U	10.	U			
106-47-8	4-Chloroaniline	10.	U	11.	U	10.	U	10.	U			
87-68-3	Hexachlorobutadiene	10.	U	11.	U	10.	U	10.	U			
59-50-7	4-Chloro-3-methylphenol	10.	U	11.	U	10.	U	10.	U			
91-57-6	2-Methylnaphthalene	10.	U	11.	U	10.	U	10.	U			
77-47-4	Hexachlorocyclopentadiene	10.	U	11.	U	10.	UJ	10.	U			
88-06-2	2,4,6-Trichlorophenol	10.	U	11.	U	10.	U	10.	U			
95-95-4	2,4,5-Trichlorophenol	50.	U	56.	U	50.	U	50.	U			
91-58-7	2-Chloronaphthalene	10.	U	11.	U	10.	U	10.	U			
88-74-4	2-Nitroaniline	50.	U	56.	U	50.	U	50.	U			
131-11-3	Dimethyl phthalate	10.	U	11.	U	10.	U	10.	U			
208-96-8	Acenaphthylene	10.	U	11.	U	10.	U	10.	U			
99-09-2	3-Nitroaniline	50.	U	56.	U	50.	U	50.	U			
83-32-9	Acenaphthene	10.	U	11.	U	10.	U	10.	U			
51-28-5	2,4-Dinitrophenol	50.	U	56.	U	50.	U	50.	U			
100-02-7	4-Nitrophenol	50.	U	56.	U	50.	U	50.	U			

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-SVOA									
	SAMPLE ID ------>	GDC-G-W01D-04		GDC-G-W02D-02		GDC-G-W02D-03		GDC-G-W02D-04			
	ORIGINAL ID ----->	GDCGW01D04		GDCGW02D02		GDCGW02D03		GDCGW02D04			
	LAB SAMPLE ID --->	25997.02		24536.02		25513.04		26016.02			
	ID FROM REPORT -->	GDCGW01D04		GDCGW02D02		GDCGW02D03		GDCGW02D04			
	SAMPLE DATE ----->	06/12/96		01/19/96		05/07/96		06/13/96			
	DATE EXTRACTED -->	06/14/96		01/22/96		05/09/96		06/17/96			
	DATE ANALYZED --->	07/05/96		01/24/96		05/17/96		06/28/96			
	MATRIX ---------->	Water		Water		Water		Water			
	UNITS ----------->	UG/L		UG/L		UG/L		UG/L			
CAS #	Parameter	25997	VAL	24514	VAL	25504	VAL	25997	VAL		
132-64-9	Dibenzofuran	10.	U	11.	U	10.	U	10.	U		
121-14-2	2,4-Dinitrotoluene	10.	U	11.	U	10.	U	10.	U		
606-20-2	2,6-Dinitrotoluene	10.	U	11.	U	10.	U	10.	U		
84-66-2	Diethylphthalate	10.	U	11.	U	10.	U	10.	U		
7005-72-3	4-Chlorophenylphenylether	10.	U	11.	U	10.	U	10.	U		
86-73-7	Fluorene	10.	U	11.	U	10.	U	10.	U		
100-01-6	4-Nitroaniline	50.	U	56.	U	50.	U	50.	U		
534-52-1	2-Methyl-4,6-Dinitrophenol	50.	U	56.	U	50.	U	50.	U		
86-30-6	N-Nitrosodiphenylamine	10.	U	11.	U	10.	U	10.	U		
101-55-3	4-Bromophenyl-phenylether	10.	U	11.	U	10.	U	10.	U		
118-74-1	Hexachlorobenzene	10.	U	11.	U	10.	U	10.	U		
87-86-5	Pentachlorophenol	50.	U	56.	U	50.	U	50.	U		
85-01-8	Phenanthrene	10.	U	11.	U	10.	U	10.	U		
120-12-7	Anthracene	10.	U	11.	U	10.	U	10.	U		
84-74-2	Di-n-butylphthalate	10.	U	11.	U	10.	U	10.	U		
206-44-0	Fluoranthene	10.	U	11.	U	10.	U	10.	U		
129-00-0	Pyrene	10.	U	11.	U	10.	U	10.	U		
85-68-7	Butylbenzylphthalate	10.	U	11.	U	10.	U	10.	U		
91-94-1	3,3'-Dichlorobenzidine	20.	U	22.	U	20.	U	20.	UJ		
56-55-3	Benzo(a)anthracene	10.	U	11.	U	10.	U	10.	U		
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	10.	U	11.	U	10.	U	10.	U		
218-01-9	Chrysene	10.	U	11.	U	10.	U	10.	U		
117-84-0	Di-n-octyl phthalate	10.	U	11.	U	10.	U	10.	U		
205-99-2	Benzo(b)fluoranthene	10.	U	11.	U	10.	U	10.	U		
207-08-9	Benzo(k)fluoranthene	10.	U	11.	U	10.	U	10.	U		
50-32-8	Benzo(a)pyrene	10.	U	11.	U	10.	U	10.	U		
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U	11.	U	10.	U	10.	U		
53-70-3	Dibenz(a,h)anthracene	10.	U	11.	U	10.	U	10.	U		
191-24-2	Benzo(g,h,i)perylene	10.	U	11.	U	10.	U	10.	U		

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-VOA	SAMPLE ID ------>	044-G-W008-05	047-G-W001-02	047-G-W001-03	047-G-W001-04	047-G-W002-02	047-G-W002-03
	ORIGINAL ID ----->	044GW00805	047GW00102	047GW00103	047GW00104	047GW00202	047GW00203
	LAB SAMPLE ID --->	30339.08	24583.03	25558.02	25931.04	24583.06	25533.03
	ID FROM REPORT -->	044GW00805	047GW00102	047GW00103	047GW00104	047GW00202	047GW00203
	SAMPLE DATE ----->	07/28/97	01/25/96	05/09/96	06/07/96	01/25/96	05/08/96
	DATE ANALYZED --->	08/05/97	02/02/96	05/15/96	06/11/96	02/02/96	05/16/96
	MATRIX ---------->	Water	Water	Water	Water	Water	Water
	UNITS ---------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	30257	VAL	24561	VAL	25504	VAL	25931	VAL	24561	VAL	25504	VAL
74-87-3	Chloromethane	10.	U	10.	UJ	10.	UJ	10.	U	10.	UJ	10.	U
74-83-9	Bromomethane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
75-01-4	Vinyl chloride	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
75-00-3	Chloroethane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
75-09-2	Methylene chloride	5.	U	5.	U	36.	U	5.	U	5.	U	5.	U
67-64-1	Acetone	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
75-15-0	Carbon disulfide	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
75-35-4	1,1-Dichloroethene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
75-34-3	1,1-Dichloroethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
540-59-0	1,2-Dichloroethene (total)	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
67-66-3	Chloroform	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
107-06-2	1,2-Dichloroethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
78-93-3	2-Butanone (MEK)	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
56-23-5	Carbon tetrachloride	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
108-05-4	Vinyl acetate	10.	U	10.	U	10.	U	10.	UJ	10.	U	10.	U
75-27-4	Bromodichloromethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
78-87-5	1,2-Dichloropropane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
79-01-6	Trichloroethene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
124-48-1	Dibromochloromethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
71-43-2	Benzene	5.	U	5.	U	5.	U	5.	UJ	5.	U	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
110-75-8	2-Chloroethyl vinyl ether	10.	U	10.	U	10.	UR	10.	UJ	10.	U	10.	UR
75-25-2	Bromoform	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
591-78-6	2-Hexanone	10.	U	10.	UJ	10.	U	10.	U	10.	UJ	10.	UJ
108-10-1	4-Methyl-2-Pentanone (MIBK)	10.	U	10.	UJ	10.	U	10.	U	10.	UJ	10.	U
127-18-4	Tetrachloroethene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
108-88-3	Toluene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
108-90-7	Chlorobenzene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
100-41-4	Ethylbenzene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
100-42-5	Styrene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
1330-20-7	Xylene (Total)	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
1634-04-4	Methyl tert-butyl ether	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-VOA	SAMPLE ID ------->	047-G-W002-04	047-G-W003-02	047-G-W003-03	047-G-W003-04	047-G-W004-02	047-G-W004-03
	ORIGINAL ID ----->	047GW00204	047GW00302	047GW00303	047GW00304	047GW00402	047GW00403
	LAB SAMPLE ID --->	25931.07	24578.04	25533.04	25951.02	24583.01	25597.03
	ID FROM REPORT -->	047GW00204	047GW00302	047GW00303	047GW00304	047GW00402	047GW00403
	SAMPLE DATE ----->	06/07/96	01/24/96	05/08/96	06/10/96	01/25/96	05/13/96
	DATE ANALYZED --->	06/12/96	02/02/96	05/15/96	06/12/96	02/01/96	05/20/96
	MATRIX ---------->	Water	Water	Water	Water	Water	Water
	UNITS ---------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	25931	VAL	24561	VAL	25504	VAL	25931	VAL	24561	VAL	25568	VAL
74-87-3	Chloromethane	10.	U	10.	UJ	10.	UJ	10.	U	10.	UJ	10.	U
74-83-9	Bromomethane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
75-01-4	Vinyl chloride	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
75-00-3	Chloroethane	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
75-09-2	Methylene chloride	5.	U	5.	U	29.	U	5.	U	5.	U	5.	U
67-64-1	Acetone	10.	U	10.	U	10.	U	10.	U	10.	U	10.	UJ
75-15-0	Carbon disulfide	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
75-35-4	1,1-Dichloroethene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
75-34-3	1,1-Dichloroethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
540-59-0	1,2-Dichloroethene (total)	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
67-66-3	Chloroform	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
107-06-2	1,2-Dichloroethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
78-93-3	2-Butanone (MEK)	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
56-23-5	Carbon tetrachloride	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
108-05-4	Vinyl acetate	10.	UJ	10.	U	10.	U	10.	UJ	10.	U	10.	U
75-27-4	Bromodichloromethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U	5.	U	5.	U	5.	U	5.	UJ	5.	U
78-87-5	1,2-Dichloropropane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
79-01-6	Trichloroethene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
124-48-1	Dibromochloromethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
71-43-2	Benzene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
110-75-8	2-Chloroethyl vinyl ether	10.	UJ	10.	U	10.	UR	10.	UJ	10.	U	10.	UR
75-25-2	Bromoform	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
591-78-6	2-Hexanone	10.	U	10.	UJ	10.	U	10.	U	10.	UJ	10.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	10.	U	10.	UJ	10.	U	10.	U	10.	UJ	10.	U
127-18-4	Tetrachloroethene	5.	U	5.	U	5.	U	5.	U	5.	UJ	5.	U
108-88-3	Toluene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
108-90-7	Chlorobenzene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
100-41-4	Ethylbenzene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
100-42-5	Styrene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
1330-20-7	Xylene (Total)	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
1634-04-4	Methyl tert-butyl ether	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-VOA												
	SAMPLE ID ------->	047-G-W004-04		047-G-W005-02		047-G-W005-03		047-G-W005-04		047-G-W006-02		047-G-W006-03	
	ORIGINAL ID ----->	047GW00404		047GW00502		047GW00503		047GW00504		047GW00602		047GW00603	
	LAB SAMPLE ID --->	25951.03		24578.01		25597.04		25951.04		24578.02		25606.03	
	ID FROM REPORT -->	047GW00404		047GW00502		047GW00503		047GW00504		047GW00602		047GW00603	
	SAMPLE DATE ----->	06/10/96		01/24/96		05/13/96		06/10/96		01/24/96		05/14/96	
	DATE ANALYZED --->	06/12/96		02/02/96		05/20/96		06/12/96		02/01/96		05/21/96	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	25931	VAL	24561	VAL	25568	VAL	25931	VAL	24561	VAL	25568	VAL
74-87-3	Chloromethane	10.	U	10.	UJ	10.	U	10.	U	10.	UJ	10.	U
74-83-9	Bromomethane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
75-01-4	Vinyl chloride	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
75-00-3	Chloroethane	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
75-09-2	Methylene chloride	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
67-64-1	Acetone	10.	U	10.	U	10.	UJ	10.	U	10.	U	10.	UJ
75-15-0	Carbon disulfide	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
75-35-4	1,1-Dichloroethene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
75-34-3	1,1-Dichloroethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
540-59-0	1,2-Dichloroethene (total)	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
67-66-3	Chloroform	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
107-06-2	1,2-Dichloroethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
78-93-3	2-Butanone (MEK)	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
56-23-5	Carbon tetrachloride	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
108-05-4	Vinyl acetate	10.	UJ	10.	U	10.	U	10.	UJ	10.	U	10.	U
75-27-4	Bromodichloromethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U	5.	U	5.	U	5.	U	5.	UJ	5.	U
78-87-5	1,2-Dichloropropane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
79-01-6	Trichloroethene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
124-48-1	Dibromochloromethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
71-43-2	Benzene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
110-75-8	2-Chloroethyl vinyl ether	10.	UJ	10.	U	10.	UR	10.	UJ	10.	U	10.	UR
75-25-2	Bromoform	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
591-78-6	2-Hexanone	10.	U	10.	UJ	10.	U	10.	U	10.	UJ	10.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	10.	U	10.	UJ	10.	U	10.	U	10.	UJ	10.	U
127-18-4	Tetrachloroethene	5.	U	5.	U	5.	U	5.	U	5.	UJ	5.	U
108-88-3	Toluene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
108-90-7	Chlorobenzene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
100-41-4	Ethylbenzene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
100-42-5	Styrene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
1330-20-7	Xylene (Total)	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
1634-04-4	Methyl tert-butyl ether	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-VOA						
SAMPLE ID ------->	047-G-W006-04	047-G-W007-02	047-G-W007-03	047-G-W007-04	047-G-W008-02	047-G-W008-03
ORIGINAL ID ----->	047GW00604	047GW00702	047GW00703	047GW00704	047GW00802	047GW00803
LAB SAMPLE ID --->	25985.04	24583.08	25606.04	25985.05	24583.07	25625.01
ID FROM REPORT -->	047GW00604	047GW00702	047GW00703	047GW00704	047GW00802	047GW00803
SAMPLE DATE ----->	06/11/96	01/25/96	05/14/96	06/11/96	01/25/96	05/15/96
DATE ANALYZED --->	06/17/96	02/02/96	05/21/96	06/17/96	02/02/96	05/21/96
MATRIX ---------->	Water	Water	Water	Water	Water	Water
UNITS ----------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	25931	VAL	24561	VAL	25568	VAL	25931	VAL	24561	VAL	25568	VAL
74-87-3	Chloromethane	10.	UJ	10.	UJ	10.	U	10.	UJ	10.	UJ	10.	U
74-83-9	Bromomethane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
75-01-4	Vinyl chloride	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
75-00-3	Chloroethane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
75-09-2	Methylene chloride	5.	U	5.	U	5.	U	5.	U	5.	U	14.	UJ
67-64-1	Acetone	10.	U	10.	U	10.	UJ	10.	U	10.	U	10.	U
75-15-0	Carbon disulfide	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
75-35-4	1,1-Dichloroethene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
75-34-3	1,1-Dichloroethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
540-59-0	1,2-Dichloroethene (total)	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
67-66-3	Chloroform	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
107-06-2	1,2-Dichloroethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
78-93-3	2-Butanone (MEK)	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
56-23-5	Carbon tetrachloride	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
108-05-4	Vinyl acetate	10.	UJ	10.	U	10.	U	10.	UJ	10.	U	10.	U
75-27-4	Bromodichloromethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
78-87-5	1,2-Dichloropropane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
79-01-6	Trichloroethene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
124-48-1	Dibromochloromethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
71-43-2	Benzene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
110-75-8	2-Chloroethyl vinyl ether	10.	UR	10.	U	10.	UR	10.	UR	10.	U	10.	UR
75-25-2	Bromoform	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
591-78-6	2-Hexanone	10.	U	10.	UJ	10.	U	10.	U	10.	UJ	10.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	10.	U	10.	UJ	10.	U	10.	U	10.	UJ	10.	U
127-18-4	Tetrachloroethene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
108-88-3	Toluene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
108-90-7	Chlorobenzene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
100-41-4	Ethylbenzene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
100-42-5	Styrene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
1330-20-7	Xylene (Total)	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
1634-04-4	Methyl tert-butyl ether	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-VOA													
	SAMPLE ID ------>	047-G-W008-04		047-G-W009-02		047-G-W009-03		047-G-W009-04		047-G-W010-02		047-G-W010-03	
	ORIGINAL ID ----->	047GW00804		047GW00902		047GW00903		047GW00904		047GW01002		047GW01003	
	LAB SAMPLE ID --->	25997.04		24593.01		25625.02		25997.05		24583.10		25606.01	
	ID FROM REPORT -->	047GW00804		047GW00902		047GW00903		047GW00904		047GW01002		047GW01003	
	SAMPLE DATE ----->	06/12/96		01/26/96		05/15/96		06/12/96		01/25/96		05/14/96	
	DATE ANALYZED --->	06/17/96		02/02/96		05/21/96		06/17/96		02/02/96		05/21/96	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	25997	VAL	24593	VAL	25568	VAL	25997	VAL	24561	VAL	25568	VAL
74-87-3	Chloromethane	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	U
74-83-9	Bromomethane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
75-01-4	Vinyl chloride	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
75-00-3	Chloroethane	10.	UJ	10.	U	10.	U	10.	UJ	10.	U	10.	U
75-09-2	Methylene chloride	5.	U	5.	U	13.	UJ	5.	U	5.	U	5.	U
67-64-1	Acetone	10.	U	10.	U	10.	U	10.	U	13.	J	10.	UJ
75-15-0	Carbon disulfide	5.	U	5.	U	1.	J	5.	U	5.	U	5.	U
75-35-4	1,1-Dichloroethene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
75-34-3	1,1-Dichloroethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
540-59-0	1,2-Dichloroethene (total)	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
67-66-3	Chloroform	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
107-06-2	1,2-Dichloroethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
78-93-3	2-Butanone (MEK)	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
56-23-5	Carbon tetrachloride	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
108-05-4	Vinyl acetate	10.	UJ	10.	U	10.	U	10.	UJ	10.	U	10.	U
75-27-4	Bromodichloromethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
78-87-5	1,2-Dichloropropane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
79-01-6	Trichloroethene	5.	U	5.	UJ	5.	U	5.	U	5.	U	5.	U
124-48-1	Dibromochloromethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
71-43-2	Benzene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
110-75-8	2-Chloroethyl vinyl ether	10.	U	10.	U	10.	UR	10.	U	10.	U	10.	UR
75-25-2	Bromoform	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
591-78-6	2-Hexanone	10.	U	10.	UJ	10.	U	10.	U	10.	UJ	10.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	10.	U	10.	UJ	10.	U	10.	U	10.	UJ	10.	U
127-18-4	Tetrachloroethene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
108-88-3	Toluene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
108-90-7	Chlorobenzene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
100-41-4	Ethylbenzene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
100-42-5	Styrene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
1330-20-7	Xylene (Total)	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
1634-04-4	Methyl tert-butyl ether	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-VOA													
	SAMPLE ID ------>	047-G-W010-04		047-G-W011-02		047-G-W011-03		047-G-W011-04		047-G-W012-02		047-G-W012-03	
	ORIGINAL ID ----->	047GW01004		047GW01102		047GW01103		047GW01104		047GW01202		047GW01203	
	LAB SAMPLE ID --->	25997.06		24561.01		25606.02		26016.03		24561.02		25558.05	
	ID FROM REPORT -->	047GW01004		047GW01102		047GW01103		047GW01104		047GW01202		047GW01203	
	SAMPLE DATE ----->	06/12/96		01/23/96		05/14/96		06/13/96		01/23/96		05/09/96	
	DATE ANALYZED --->	06/17/96		01/26/96		05/21/96		06/21/96		01/26/96		05/16/96	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	25997	VAL	24561	VAL	25568	VAL	25997	VAL	24561	VAL	25504	VAL
74-87-3	Chloromethane	10.	U	10.	UJ	10.	U	10.	U	10.	UJ	10.	U
74-83-9	Bromomethane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
75-01-4	Vinyl chloride	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
75-00-3	Chloroethane	10.	UJ	10.	U	10.	U	10.	U	10.	U	10.	U
75-09-2	Methylene chloride	5.	U	5.	U	5.	U	5.	U	5.	U	10.	U
67-64-1	Acetone	10.	U	10.	U	10.	UJ	10.	U	10.	U	3.	J
75-15-0	Carbon disulfide	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
75-35-4	1,1-Dichloroethene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
75-34-3	1,1-Dichloroethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
540-59-0	1,2-Dichloroethene (total)	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
67-66-3	Chloroform	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
107-06-2	1,2-Dichloroethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
78-93-3	2-Butanone (MEK)	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
56-23-5	Carbon tetrachloride	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
108-05-4	Vinyl acetate	10.	UJ	10.	UJ	10.	U	10.	U	10.	UJ	10.	U
75-27-4	Bromodichloromethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
78-87-5	1,2-Dichloropropane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
79-01-6	Trichloroethene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
124-48-1	Dibromochloromethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
71-43-2	Benzene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
110-75-8	2-Chloroethyl vinyl ether	10.	U	10.	U	10.	UR	10.	U	10.	U	10.	UR
75-25-2	Bromoform	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
591-78-6	2-Hexanone	10.	U	10.	U	10.	U	10.	U	10.	UJ	10.	UJ
108-10-1	4-Methyl-2-Pentanone (MIBK)	10.	U	10.	UJ	10.	U	10.	U	10.	U	10.	U
127-18-4	Tetrachloroethene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
108-88-3	Toluene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
108-90-7	Chlorobenzene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
100-41-4	Ethylbenzene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
100-42-5	Styrene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
1330-20-7	Xylene (Total)	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
1634-04-4	Methyl tert-butyl ether	NR		NR		NR		NR		NR		NR	

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-VOA													
	SAMPLE ID ------->	047-G-W012-04		047-G-W013-02		047-G-W013-03		047-G-W013-04		047-G-W015-02		047-G-W015-03	
	ORIGINAL ID ----->	047GW01204		047GW01302		047GW01303		047GW01304		047GW01502		047GW01503	
	LAB SAMPLE ID --->	26016.04		24578.03		25568.04		26028.01		24583.02		25568.05	
	ID FROM REPORT -->	047GW01204		047GW01302		047GW01303		047GW01304		047GW01502		047GW01503	
	SAMPLE DATE ----->	06/13/96		01/24/96		05/10/96		06/14/96		01/25/96		05/10/96	
	DATE ANALYZED --->	06/21/96		02/01/96		05/16/96		06/23/96		02/01/96		05/16/96	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	25997	VAL	24561	VAL	25568	VAL	25997	VAL	24561	VAL	25568	VAL
74-87-3	Chloromethane	10.	U	10.	UJ	10.	U	10.	U	10.	UJ	10.	U
74-83-9	Bromomethane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
75-01-4	Vinyl chloride	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
75-00-3	Chloroethane	10.	U	10.	UJ	10.	U	10.	U	10.	UJ	10.	U
75-09-2	Methylene chloride	5.	U	5.	U	17.	U	5.	U	5.	U	13.	U
67-64-1	Acetone	10.	U	10.	U	10.	U	10.	UJ	10.	U	10.	U
75-15-0	Carbon disulfide	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
75-35-4	1,1-Dichloroethene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
75-34-3	1,1-Dichloroethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
540-59-0	1,2-Dichloroethene (total)	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
67-66-3	Chloroform	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
107-06-2	1,2-Dichloroethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
78-93-3	2-Butanone (MEK)	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
56-23-5	Carbon tetrachloride	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
108-05-4	Vinyl acetate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
75-27-4	Bromodichloromethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U	5.	UJ	5.	U	5.	U	5.	UJ	5.	U
78-87-5	1,2-Dichloropropane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
79-01-6	Trichloroethene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
124-48-1	Dibromochloromethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
71-43-2	Benzene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
110-75-8	2-Chloroethyl vinyl ether	10.	U	10.	U	10.	UR	10.	UJ	10.	U	10.	UR
75-25-2	Bromoform	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
591-78-6	2-Hexanone	10.	U	10.	UJ	10.	UJ	10.	U	10.	UJ	10.	UJ
108-10-1	4-Methyl-2-Pentanone (MIBK)	10.	U	10.	UJ	10.	U	10.	U	10.	UJ	10.	U
127-18-4	Tetrachloroethene	5.	U	7.	J	5.	U	5.	U	5.	UJ	5.	U
108-88-3	Toluene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
108-90-7	Chlorobenzene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
100-41-4	Ethylbenzene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
100-42-5	Styrene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
1330-20-7	Xylene (Total)	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
1634-04-4	Methyl tert-butyl ether	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-VOA													
	SAMPLE ID ------->	047-G-W015-04		510-G-W001-02		510-G-W001-03		510-G-W001-04		510-G-W002-02		510-G-W002-03	
	ORIGINAL ID ----->	047GW01504		510GW00102		510GW00103		510GW00104		510GW00202		510GW00203	
	LAB SAMPLE ID --->	26028.02		24536.03		25568.03		26028.03		24536.04		25568.02	
	ID FROM REPORT -->	047GW01504		510GW00102		510GW00103		510GW00104		510GW00202		510GW00203	
	SAMPLE DATE ----->	06/14/96		01/19/96		05/10/96		06/14/96		01/19/96		05/10/96	
	DATE ANALYZED --->	06/23/96		01/23/96		05/16/96		06/23/96		01/23/96		05/16/96	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ----------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	25997	VAL	24514	VAL	25568	VAL	25997	VAL	24514	VAL	25568	VAL
74-87-3	Chloromethane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
74-83-9	Bromomethane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
75-01-4	Vinyl chloride	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
75-00-3	Chloroethane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
75-09-2	Methylene chloride	5.	U	5.	UJ	12.	U	5.	U	5.	UJ	12.	
67-64-1	Acetone	10.	U	10.	U	10.	U	10.	UJ	10.	U	10.	U
75-15-0	Carbon disulfide	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
75-35-4	1,1-Dichloroethene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
75-34-3	1,1-Dichloroethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
540-59-0	1,2-Dichloroethene (total)	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
67-66-3	Chloroform	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
107-06-2	1,2-Dichloroethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
78-93-3	2-Butanone (MEK)	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
56-23-5	Carbon tetrachloride	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
108-05-4	Vinyl acetate	10.	U	10.	UJ	10.	U	10.	U	10.	UJ	10.	U
75-27-4	Bromodichloromethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
78-87-5	1,2-Dichloropropane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
79-01-6	Trichloroethene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
124-48-1	Dibromochloromethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
71-43-2	Benzene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
110-75-8	2-Chloroethyl vinyl ether	10.	UJ	10.	UJ	10.	UR	10.	UJ	10.	UJ	10.	UR
75-25-2	Bromoform	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
591-78-6	2-Hexanone	10.	U	10.	U	10.	UJ	10.	U	10.	U	10.	UJ
108-10-1	4-Methyl-2-Pentanone (MIBK)	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
127-18-4	Tetrachloroethene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
108-88-3	Toluene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
108-90-7	Chlorobenzene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
100-41-4	Ethylbenzene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
100-42-5	Styrene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
1330-20-7	Xylene (Total)	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
1634-04-4	Methyl tert-butyl ether	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-VOA	SAMPLE ID ------>	510-G-W002-04	GDC-G-W001-02	GDC-G-W001-03	GDC-G-W001-04	GDC-G-W002-02	GDC-G-W002-03
	ORIGINAL ID ----->	510GW00204	GDCGW00102	GDCGW00103	GDCGW00104	GDCGW00202	GDCGW00203
	LAB SAMPLE ID --->	26028.04	24543.01	25504.03	25997.01	24536.01	25513.03
	ID FROM REPORT -->	510GW00204	GDCGW00102	GDCGW00103	GDCGW00104	GDCGW00202	GDCGW00203
	SAMPLE DATE ----->	06/14/96	01/22/96	05/06/96	06/12/96	01/19/96	05/07/96
	DATE ANALYZED --->	06/23/96	01/24/96	05/13/96	06/17/96	01/23/96	05/14/96
	MATRIX ---------->	Water	Water	Water	Water	Water	Water
	UNITS ---------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	25997	VAL	24514	VAL	25504	VAL	25997	VAL	24514	VAL	25504	VAL
74-87-3	Chloromethane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	UJ
74-83-9	Bromomethane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
75-01-4	Vinyl chloride	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
75-00-3	Chloroethane	10.	U	10.	U	10.	U	10.	UJ	10.	U	10.	U
75-09-2	Methylene chloride	5.	U	5.	UJ	5.	U	5.	U	5.	UJ	30.	U
67-64-1	Acetone	10.	UJ	10.	U	13.	U	10.	U	10.	U	5.	U
75-15-0	Carbon disulfide	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
75-35-4	1,1-Dichloroethene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
75-34-3	1,1-Dichloroethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
540-59-0	1,2-Dichloroethene (total)	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
67-66-3	Chloroform	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
107-06-2	1,2-Dichloroethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
78-93-3	2-Butanone (MEK)	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
56-23-5	Carbon tetrachloride	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
108-05-4	Vinyl acetate	10.	U	10.	UJ	10.	U	10.	UJ	10.	UJ	10.	U
75-27-4	Bromodichloromethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U	5.	U	5.	U	5.	U	5..	U	5.	U
78-87-5	1,2-Dichloropropane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
79-01-6	Trichloroethene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
124-48-1	Dibromochloromethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
71-43-2	Benzene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
110-75-8	2-Chloroethyl vinyl ether	10.	UJ	10.	U	10.	UR	10.	U	10.	UJ	10.	UR
75-25-2	Bromoform	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
591-78-6	2-Hexanone	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
127-18-4	Tetrachloroethene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
108-88-3	Toluene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
108-90-7	Chlorobenzene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
100-41-4	Ethylbenzene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
100-42-5	Styrene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
1330-20-7	Xylene (Total)	5.	U	5.	U	5.	U	5.	U	5.	U	2.	J
1634-04-4	Methyl tert-butyl ether	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-VOA	SAMPLE ID ------->	GDC-G-W002-04		GDC-G-W01D-02		GDC-G-W01D-03		GDC-G-W01D-04		GDC-G-W02D-02		GDC-G-W02D-03	
	ORIGINAL ID ----->	GDCGW00204		GDCGW01D02		GDCGW01D03		GDCGW01D04		GDCGW02D02		GDCGW02D03	
	LAB SAMPLE ID --->	26016.01		24543.02		25504.04		25997.02		24536.02		25513.04	
	ID FROM REPORT -->	GDCGW00204		GDCGW01D02		GDCGW01D03		GDCGW01D04		GDCGW02D02		GDCGW02D03	
	SAMPLE DATE ----->	06/13/96		01/22/96		05/06/96		06/12/96		01/19/96		05/07/96	
	DATE ANALYZED --->	06/21/96		01/24/96		05/13/96		06/17/96		01/23/96		05/14/96	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	25997	VAL	24514	VAL	25504	VAL	25997	VAL	24514	VAL	25504	VAL
74-87-3	Chloromethane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	UJ
74-83-9	Bromomethane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
75-01-4	Vinyl chloride	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
75-00-3	Chloroethane	10.	U	10.	U	10.	U	10.	UJ	10.	U	10.	U
75-09-2	Methylene chloride	5.	U	5.	UJ	5.	U	5.	U	5.	UJ	27.	U
67-64-1	Acetone	10.	U	10.	U	10.	U	10.	U	15.	J	10.	U
75-15-0	Carbon disulfide	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
75-35-4	1,1-Dichloroethene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
75-34-3	1,1-Dichloroethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
540-59-0	1,2-Dichloroethene (total)	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
67-66-3	Chloroform	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
107-06-2	1,2-Dichloroethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
78-93-3	2-Butanone (MEK)	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
56-23-5	Carbon tetrachloride	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
108-05-4	Vinyl acetate	10.	U	10.	UJ	10.	U	10.	UJ	10.	UJ	10.	U
75-27-4	Bromodichloromethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
78-87-5	1,2-Dichloropropane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
79-01-6	Trichloroethene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
124-48-1	Dibromochloromethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
71-43-2	Benzene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
110-75-8	2-Chloroethyl vinyl ether	10.	U	10.	U	10.	UR	10.	U	10.	UJ	10.	UR
75-25-2	Bromoform	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
591-78-6	2-Hexanone	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
127-18-4	Tetrachloroethene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
108-88-3	Toluene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
108-90-7	Chlorobenzene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
100-41-4	Ethylbenzene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
100-42-5	Styrene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
1330-20-7	Xylene (Total)	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
1634-04-4	Methyl tert-butyl ether	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

SW846-VOA

SAMPLE ID ------->	GDC-G-W02D-04
ORIGINAL ID ----->	GDCGW02D04
LAB SAMPLE ID --->	26016.02
ID FROM REPORT -->	GDCGW02D04
SAMPLE DATE ----->	06/13/96
DATE ANALYZED --->	06/21/96
MATRIX ---------->	Water
UNITS ----------->	UG/L

CAS #	Parameter	25997	VAL
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene chloride	5.	U
67-64-1	Acetone	10.	U
75-15-0	Carbon disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene (total)	5.	U
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone (MEK)	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon tetrachloride	5.	U
108-05-4	Vinyl acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
110-75-8	2-Chloroethyl vinyl ether	10.	U
75-25-2	Bromoform	5.	U
591-78-6	2-Hexanone	10.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	10.	U
127-18-4	Tetrachloroethene	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
1330-20-7	Xylene (Total)	5.	U
1634-04-4	Methyl tert-butyl ether	NR	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

TDS													
	SAMPLE ID ------->	044-G-W001-02		044-G-W001-03		044-G-W001-04		044-G-W002-02		044-G-W002-03		044-G-W002-04	
	ORIGINAL ID ----->	044GW00102		044GW00103		044GW00104		044GW00202		044GW00203		044GW00204	
	LAB SAMPLE ID --->	24527.01		25504.01		25985.03		24527.02		25513.01		25931.01	
	ID FROM REPORT -->	044GW00102		044GW00103		044GW00104		044GW00202		044GW00203		044GW00204	
	SAMPLE DATE ----->	01/18/96		05/06/96		06/11/96		01/18/96		05/07/96		06/07/96	
	DATE ANALYZED --->	01/22/96		05/08/96		06/17/96		01/22/96		05/10/96		06/11/96	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ----------->	MG/L		MG/L		MG/L		MG/L		MG/L		MG/L	
CAS #	Parameter	24514	VAL	25504	VAL	25931	VAL	24514	VAL	25504	VAL	25931	VAL
9999900-07-2	Total Dissolved Solids (TDS)	3850.		3970.		4430.		1500.		1410.		1360.	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

TDS	SAMPLE ID ------->	044-G-W003-02	044-G-W003-03	044-G-W003-04	044-G-W004-02	044-H-W004-02	044-G-W004-03
	ORIGINAL ID ----->	044GW00302	044GW00303	044GW00304	044GW00402	044HW00402	044GW00403
	LAB SAMPLE ID --->	24514.03	25504.02	25931.02	24514.01	24514.02	25513.02
	ID FROM REPORT -->	044GW00302	044GW00303	044GW00304	044GW00402	044HW00402	044GW00403
	SAMPLE DATE ----->	01/17/96	05/06/96	06/07/96	01/17/96	01/17/96	05/07/96
	DATE ANALYZED --->	01/19/96	05/08/96	06/11/96	01/19/96	01/19/96	05/10/96
	MATRIX ---------->	Water	Water	Water	Water	Water	Water
	UNITS ---------->	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L

CAS #	Parameter	24514	VAL	25504	VAL	25931	VAL	24514	VAL	24514	VAL	25504	VAL
9999900-07-2	Total Dissolved Solids (TDS)	2090.		2030.		2060.		2430.		2450.		2580.	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

TDS													
	SAMPLE ID ------->	044-H-W004-03		044-G-W004-04		044-H-W004-04		044-G-W005-02		044-G-W005-03		044-G-W005-04	
	ORIGINAL ID ----->	044HW00403		044GW00404		044HW00404		044GW00502		044GW00503		044GW00504	
	LAB SAMPLE ID --->	25514.01		25931.03		25932.01		24514.04		25558.01		25951.01	
	ID FROM REPORT -->	044HW00403		044GW00404		044HW00404		044GW00502		044GW00503		044GW00504	
	SAMPLE DATE ----->	05/07/96		06/07/96		06/07/96		01/17/96		05/09/96		06/10/96	
	DATE ANALYZED --->	05/10/96		06/11/96		06/11/96		01/19/96		05/14/96		06/13/96	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	MG/L		MG/L		MG/L		MG/L		MG/L		MG/L	
CAS #	Parameter	25504	VAL	25931	VAL	25931	VAL	24514	VAL	25504	VAL	25931	VAL
9999900-07-2	Total Dissolved Solids (TDS)	2560.		2550.		2460.		17900.		19700.		20500.	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

TDS												
	SAMPLE ID ------->	044-G-W006-02		044-G-W006-03		044-G-W006-04		044-G-W007-02		044-G-W007-03		044-G-W007-04
	ORIGINAL ID ----->	044GW00602		044GW00603		044GW00604		044GW00702		044GW00703		044GW00704
	LAB SAMPLE ID --->	24514.05		25533.01		25985.01		24527.04		25568.01		25985.02
	ID FROM REPORT -->	044GW00602		044GW00603		044GW00604		044GW00702		044GW00703		044GW00704
	SAMPLE DATE ----->	01/17/96		05/08/96		06/11/96		01/18/96		05/10/96		06/11/96
	DATE ANALYZED --->	01/19/96		05/10/96		06/17/96		01/22/96		05/14/96		06/17/96
	MATRIX ---------->	Water		Water		Water		Water		Water		Water
	UNITS ----------->	MG/L		MG/L		MG/L		MG/L		MG/L		MG/L
CAS #	Parameter	24514	VAL	25504	VAL	25931	VAL	24514	VAL	25568	VAL	25931	VAL
9999900-07-2	Total Dissolved Solids (TDS)	4340.		3050.		10500.		2030.		2260.		2660.	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

TDS													
	SAMPLE ID ------->	044-G-W008-02		044-G-W008-03		044-G-W008-04		GDC-G-W001-02		GDC-H-W001-02		GDC-G-W001-03	
	ORIGINAL ID ----->	044GW00802		044GW00803		044GW00804		GDCGW00102		GDCHW00102		GDCGW00103	
	LAB SAMPLE ID --->	24527.03		25533.02		25997.03		24543.01		24544.01		25504.03	
	ID FROM REPORT -->	044GW00802		044GW00803		044GW00804		GDCGW00102		GDCHW00102		GDCGW00103	
	SAMPLE DATE ----->	01/18/96		05/08/96		06/12/96		01/22/96		01/22/96		05/06/96	
	DATE ANALYZED --->	01/22/96		05/10/96		06/17/96		01/23/96		01/23/96		05/08/96	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ----------->	MG/L		MG/L		MG/L		MG/L		MG/L		MG/L	
CAS #	Parameter	24514	VAL	25504	VAL	25997	VAL	24514	VAL	24514	VAL	25504	VAL
9999900-07-2	Total Dissolved Solids (TDS)	8910.		4090.		10600.		100.		100.		90.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

TDS													
	SAMPLE ID ------->	GDC-H-W001-03		GDC-G-W001-04		GDC-H-W001-04		GDC-G-W002-02		GDC-G-W002-03		GDC-G-W002-04	
	ORIGINAL ID ----->	GDCHW00103		GDCGW00104		GDCHW00104		GDCGW00202		GDCGW00203		GDCGW00204	
	LAB SAMPLE ID --->	25505.01		25997.01		25998.01		24536.01		25513.03		26016.01	
	ID FROM REPORT -->	GDCHW00103		GDCGW00104		GDCHW00104		GDCGW00202		GDCGW00203		GDCGW00204	
	SAMPLE DATE ----->	05/06/96		06/12/96		06/12/96		01/19/96		05/07/96		06/13/96	
	DATE ANALYZED --->	05/08/96		06/17/96		06/17/96		01/22/96		05/10/96		06/19/96	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ----------->	MG/L		MG/L		MG/L		MG/L		MG/L		MG/L	
CAS #	Parameter	25504	VAL	25997	VAL	25997	VAL	24514	VAL	25504	VAL	25997	VAL
9999900-07-2	Total Dissolved Solids (TDS)	84.	U	121.		124.		496.		512.		236.	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

TDS													
	SAMPLE ID ------->	GDC-G-W01D-02		GDC-G-W01D-03		GDC-G-W01D-04		GDC-G-W02D-02		GDC-G-W02D-03		GDC-G-W02D-04	
	ORIGINAL ID ----->	GDCGW01D02		GDCGW01D03		GDCGW01D04		GDCGW02D02		GDCGW02D03		GDCGW02D04	
	LAB SAMPLE ID --->	24543.02		25504.04		25997.02		24536.02		25513.04		26016.02	
	ID FROM REPORT -->	GDCGW01D02		GDCGW01D03		GDCGW01D04		GDCGW02D02		GDCGW02D03		GDCGW02D04	
	SAMPLE DATE ----->	01/22/96		05/06/96		06/12/96		01/19/96		05/07/96		06/13/96	
	DATE ANALYZED --->	01/23/96		05/08/96		06/17/96		01/22/96		05/10/96		06/19/96	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	MG/L		MG/L		MG/L		MG/L		MG/L		MG/L	
CAS #	Parameter	24514	VAL	25504	VAL	25997	VAL	24514	VAL	25504	VAL	25997	VAL
9999900-07-2	Total Dissolved Solids (TDS)	200.		219.	U	253.		1350.		1490.		1410.	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

TPH-DRO	SAMPLE ID ------->	044-H-W006-04	047-G-W001-02	047-G-W001-03	047-G-W001-04	047-G-W002-02	047-G-W002-03
	ORIGINAL ID ----->	044HW00604	047GW00102	047GW00103	047GW00104	047GW00202	047GW00203
	LAB SAMPLE ID --->	25986.04	24583.03	25558.02	25931.04	24583.06	25533.03
	ID FROM REPORT -->	044HW00604	047GW00102	047GW00103	047GW00104	047GW00202	047GW00203
	SAMPLE DATE ----->	06/11/96	01/25/96	05/09/96	06/07/96	01/25/96	05/08/96
	DATE EXTRACTED -->	06/24/96	01/30/96	05/15/96	06/26/96	01/30/96	05/13/96
	DATE ANALYZED --->	06/27/96	02/01/96	05/15/96	06/28/96	02/01/96	05/14/96
	MATRIX ---------->	Water	Water	Water	Water	Water	Water
	UNITS ---------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	25931	VAL	24561	VAL	25504	VAL	25931	VAL	24561	VAL	25504	VAL
68334-30-5	Diesel	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
8008-20-6	Kerosene	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
68553-00-4	Fuel oil no. 6	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
9999000-35-1	JP-4 C6-C14	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
9999000-48-6	NAPHTHA C6-C12	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

TPH-DRO						
SAMPLE ID ------->	047-G-W002-04	047-G-W003-02	047-G-W003-03	047-G-W003-04	047-G-W004-02	047-G-W004-03
ORIGINAL ID ----->	047GW00204	047GW00302	047GW00303	047GW00304	047GW00402	047GW00403
LAB SAMPLE ID --->	25931.07	24578.04	25533.04	25951.02	24583.01	25597.03
ID FROM REPORT -->	047GW00204	047GW00302	047GW00303	047GW00304	047GW00402	047GW00403
SAMPLE DATE ----->	06/07/96	01/24/96	05/08/96	06/10/96	01/25/96	05/13/96
DATE EXTRACTED -->	06/24/96	01/29/96	05/13/96	06/24/96	01/30/96	05/16/96
DATE ANALYZED --->	06/26/96	01/31/96	05/14/96	06/26/96	02/01/96	05/16/96
MATRIX ---------->	Water	Water	Water	Water	Water	Water
UNITS ----------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	25931	VAL	24561	VAL	25504	VAL	25931	VAL	24561	VAL	25568	VAL
68334-30-5	Diesel	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
8008-20-6	Kerosene	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
68553-00-4	Fuel oil no. 6	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
9999000-35-1	JP-4 C6-C14	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
9999000-48-6	NAPHTHA C6-C12	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

TPH-DRO						
SAMPLE ID ------->	047-G-W004-04	047-G-W005-02	047-G-W005-03	047-G-W005-04	047-G-W006-02	047-H-W006-02
ORIGINAL ID ----->	047GW00404	047GW00502	047GW00503	047GW00504	047GW00602	047HW00602
LAB SAMPLE ID --->	25951.03	24578.01	25597.04	25951.04	24578.02	24579.01
ID FROM REPORT -->	047GW00404	047GW00502	047GW00503	047GW00504	047GW00602	047HW00602
SAMPLE DATE ----->	06/10/96	01/24/96	05/13/96	06/10/96	01/24/96	01/24/96
DATE EXTRACTED -->	06/24/96	01/29/96	05/16/96	06/24/96	01/29/96	01/30/96
DATE ANALYZED --->	06/26/96	01/31/96	05/17/96	06/26/96	01/31/96	02/01/96
MATRIX ---------->	Water	Water	Water	Water	Water	Water
UNITS ---------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	25931	VAL	24561	VAL	25568	VAL	25931	VAL	24561	VAL	24561	VAL
68334-30-5	Diesel	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
8008-20-6	Kerosene	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
68553-00-4	Fuel oil no. 6	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
9999000-35-1	JP-4 C6-C14	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
9999000-48-6	NAPHTHA C6-C12	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
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TPH-DRO						
SAMPLE ID ------->	047-G-W006-03	047-H-W006-03	047-G-W006-04	047-G-W007-02	047-G-W007-03	047-G-W007-04
ORIGINAL ID ----->	047GW00603	047HW00603	047GW00604	047GW00702	047GW00703	047GW00704
LAB SAMPLE ID --->	25606.03	25607.01	25985.04	24583.08	25606.04	25985.05
ID FROM REPORT -->	047GW00603	047HW00603	047GW00604	047GW00702	047GW00703	047GW00704
SAMPLE DATE ----->	05/14/96	05/14/96	06/11/96	01/25/96	05/14/96	06/11/96
DATE EXTRACTED -->	05/16/96	05/16/96	06/26/96	01/30/96	05/16/96	06/26/96
DATE ANALYZED --->	05/17/96	05/17/96	06/28/96	02/01/96	05/17/96	06/28/96
MATRIX ---------->	Water	Water	Water	Water	Water	Water
UNITS ----------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	25568	VAL	25568	VAL	25931	VAL	24561	VAL	25568	VAL	25931	VAL
68334-30-5	Diesel	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
8008-20-6	Kerosene	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
68553-00-4	Fuel oil no. 6	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
9999000-35-1	JP-4 C6-C14	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
9999000-48-6	NAPHTHA C6-C12	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U

*** Validation Complete ***

CHARLESTON - ZONE C
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TPH-DRO												
	SAMPLE ID ------->	047-G-W008-02		047-G-W008-03		047-G-W008-04		047-G-W009-02		047-G-W009-03		047-G-W009-04	
	ORIGINAL ID ----->	047GW00802		047GW00803		047GW00804		047GW00902		047GW00903		047GW00904	
	LAB SAMPLE ID --->	24583.07		25625.01		25997.04		24593.01		25625.02		25997.05	
	ID FROM REPORT -->	047GW00802		047GW00803		047GW00804		047GW00902		047GW00903		047GW00904	
	SAMPLE DATE ----->	01/25/96		05/15/96		06/12/96		01/26/96		05/15/96		06/12/96	
	DATE EXTRACTED -->	01/30/96		05/23/96		06/26/96		01/30/96		05/23/96		06/26/96	
	DATE ANALYZED --->	02/01/96		05/29/96		06/28/96		02/01/96		05/30/96		06/28/96	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	24561	VAL	25568	VAL	25997	VAL	24593	VAL	25568	VAL	25997	VAL
68334-30-5	Diesel	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
8008-20-6	Kerosene	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
68553-00-4	Fuel oil no. 6	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
9999000-35-1	JP-4 C6-C14	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
9999000-48-6	NAPHTHA C6-C12	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

TPH-DRO													
	SAMPLE ID ------->	047-G-W010-02		047-G-W010-03		047-G-W010-04		047-G-W011-02		047-G-W011-03		047-G-W011-04	
	ORIGINAL ID ----->	047GW01002		047GW01003		047GW01004		047GW01102		047GW01103		047GW01104	
	LAB SAMPLE ID --->	24583.10		25606.01		25997.06		24561.01		25606.02		26016.03	
	ID FROM REPORT -->	047GW01002		047GW01003		047GW01004		047GW01102		047GW01103		047GW01104	
	SAMPLE DATE ----->	01/25/96		05/14/96		06/12/96		01/23/96		05/14/96		06/13/96	
	DATE EXTRACTED -->	01/30/96		05/16/96		06/26/96		01/29/96		05/16/96		06/28/96	
	DATE ANALYZED --->	02/01/96		05/17/96		06/28/96		01/31/96		05/17/96		06/29/96	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ----------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	24561	VAL	25568	VAL	25997	VAL	24561	VAL	25568	VAL	25997	VAL
68334-30-5	Diesel	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
8008-20-6	Kerosene	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
68553-00-4	Fuel oil no. 6	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
9999000-35-1	JP-4 C6-C14	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
9999000-48-6	NAPHTHA C6-C12	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

TPH-DRO												
	SAMPLE ID ------>	047-G-W012-02		047-G-W012-03		047-G-W012-04		047-G-W013-02		047-G-W013-03		047-G-W013-04	
	ORIGINAL ID ----->	047GW01202		047GW01203		047GW01204		047GW01302		047GW01303		047GW01304	
	LAB SAMPLE ID --->	24561.02		25558.05		26016.04		24578.03		25568.04		26028.01	
	ID FROM REPORT -->	047GW01202		047GW01203		047GW01204		047GW01302		047GW01303		047GW01304	
	SAMPLE DATE ----->	01/23/96		05/09/96		06/13/96		01/24/96		05/10/96		06/14/96	
	DATE EXTRACTED -->	01/29/96		05/15/96		06/28/96		01/29/96		05/13/96		06/28/96	
	DATE ANALYZED --->	01/31/96		05/15/96		06/29/96		01/31/96		05/15/96		06/29/96	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ----------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	24561	VAL	25504	VAL	25997	VAL	24561	VAL	25568	VAL	25997	VAL
68334-30-5	Diesel	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
8008-20-6	Kerosene	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
68553-00-4	Fuel oil no. 6	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
9999000-35-1	JP-4 C6-C14	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
9999000-48-6	NAPHTHA C6-C12	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

TPH-DRO						
SAMPLE ID ------->	047-G-W015-02	047-G-W015-03	047-G-W015-04	523-G-W001-02	523-G-W001-03	523-G-W001-04
ORIGINAL ID ----->	047GW01502	047GW01503	047GW01504	523GW00102	523GW00103	523GW00104
LAB SAMPLE ID --->	24583.02	25568.05	26028.02	24543.03	25597.01	26046.01
ID FROM REPORT -->	047GW01502	047GW01503	047GW01504	523GW00102	523GW00103	523GW00104
SAMPLE DATE ----->	01/25/96	05/10/96	06/14/96	01/22/96	05/13/96	06/17/96
DATE EXTRACTED -->	01/30/96	05/13/96	06/28/96	01/29/96	05/16/96	06/28/96
DATE ANALYZED --->	02/01/96	05/15/96	06/29/96	01/31/96	05/16/96	07/01/96
MATRIX ---------->	Water	Water	Water	Water	Water	Water
UNITS ----------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	24561	VAL	25568	VAL	25997	VAL	24514	VAL	25568	VAL	25997	VAL
68334-30-5	Diesel	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
8008-20-6	Kerosene	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
68553-00-4	Fuel oil no. 6	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
9999000-35-1	JP-4 C6-C14	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
9999000-48-6	NAPHTHA C6-C12	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

TPH-DRO								
	SAMPLE ID ------->	523-G-W002-02		523-G-W002-03		523-G-W002-04		
	ORIGINAL ID ----->	523GW00202		523GW00203		523GW00204		
	LAB SAMPLE ID --->	24543.04		25597.02		26046.02		
	ID FROM REPORT -->	523GW00202		523GW00203		523GW00204		
	SAMPLE DATE ----->	01/22/96		05/13/96		06/17/96		
	DATE EXTRACTED -->	01/29/96		05/16/96		06/28/96		
	DATE ANALYZED --->	01/31/96		05/16/96		07/01/96		
	MATRIX ---------->	Water		Water		Water		
	UNITS ----------->	UG/L		UG/L		UG/L		
CAS #	Parameter	24514	VAL	25568	VAL	25997	VAL	
68334-30-5	Diesel	25.	U	25.	U	25.	U	
8008-20-6	Kerosene	25.	U	25.	U	25.	U	
68553-00-4	Fuel oil no. 6	25.	U	25.	U	25.	U	
9999000-35-1	JP-4 C6-C14	25.	U	25.	U	25.	U	
9999000-48-6	NAPHTHA C6-C12	25.	U	25.	U	25.	U	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

TPH-GRO	SAMPLE ID ------->	044-H-W006-04	047-G-W001-02	047-G-W001-03	047-G-W001-04	047-G-W002-02	047-G-W002-03
	ORIGINAL ID ----->	044HW00604	047GW00102	047GW00103	047GW00104	047GW00202	047GW00203
	LAB SAMPLE ID --->	25986.04	24583.03	25558.02	25931.04	24583.06	25533.03
	ID FROM REPORT -->	044HW00604	047GW00102	047GW00103	047GW00104	047GW00202	047GW00203
	SAMPLE DATE ----->	06/11/96	01/25/96 01/30/96	05/09/96	06/07/96	01/25/96 01/30/96	05/08/96
	DATE EXTRACTED -->						
	DATE ANALYZED --->	06/14/96	02/01/96	05/13/96	06/14/96	02/01/96	05/10/96
	MATRIX ---------->	Water	Water	Water	Water	Water	Water
	UNITS ----------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	25931	VAL	24561	VAL	25504	VAL	25931	VAL	24561	VAL	25504	VAL
86290-81-5	Gasoline	10.	U	10.	U	7.2	J	10.	U	10.	U	5.4	J

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

TPH-GRO												
	SAMPLE ID ------->	047-G-W002-04		047-G-W003-02		047-G-W003-03		047-G-W003-04		047-G-W004-02		047-G-W004-03
	ORIGINAL ID ----->	047GW00204		047GW00302		047GW00303		047GW00304		047GW00402		047GW00403
	LAB SAMPLE ID --->	25931.07		24578.04		25533.04		25951.02		24583.01		25597.03
	ID FROM REPORT -->	047GW00204		047GW00302		047GW00303		047GW00304		047GW00402		047GW00403
	SAMPLE DATE ----->	06/07/96		01/24/96		05/08/96		06/10/96		01/25/96		05/13/96
	DATE EXTRACTED -->			01/29/96						01/30/96		
	DATE ANALYZED --->	06/14/96		01/31/96		05/10/96		06/14/96		02/01/96		05/15/96
	MATRIX ---------->	Water		Water		Water		Water		Water		Water
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L
CAS #	Parameter	25931	VAL	24561	VAL	25504	VAL	25931	VAL	24561	VAL	25568	VAL
86290-81-5	Gasoline	10.	U	10.	U	6.6	J	10.	U	10.	U	10.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

TPH-GRO						
SAMPLE ID ------->	047-G-W004-04	047-G-W005-02	047-G-W005-03	047-G-W005-04	047-G-W006-02	047-H-W006-02
ORIGINAL ID ----->	047GW00404	047GW00502	047GW00503	047GW00504	047GW00602	047HW00602
LAB SAMPLE ID --->	25951.03	24578.01	25597.04	25951.04	24578.02	24579.01
ID FROM REPORT -->	047GW00404	047GW00502	047GW00503	047GW00504	047GW00602	047HW00602
SAMPLE DATE ----->	06/10/96	01/24/96	05/13/96	06/10/96	01/24/96	01/24/96
DATE EXTRACTED -->		01/29/96			01/29/96	01/30/96
DATE ANALYZED --->	06/14/96	01/31/96	05/15/96	06/14/96	01/31/96	02/01/96
MATRIX ---------->	Water	Water	Water	Water	Water	Water
UNITS ----------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	25931	VAL	24561	VAL	25568	VAL	25931	VAL	24561	VAL	24561	VAL
86290-81-5	Gasoline	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

TPH-GRO												
	SAMPLE ID ------>	047-G-W006-03		047-H-W006-03		047-G-W006-04		047-G-W007-02		047-G-W007-03		047-G-W007-04	
	ORIGINAL ID ----->	047GW00603		047HW00603		047GW00604		047GW00702		047GW00703		047GW00704	
	LAB SAMPLE ID --->	25606.03		25607.01		25985.04		24583.08		25606.04		25985.05	
	ID FROM REPORT -->	047GW00603		047HW00603		047GW00604		047GW00702		047GW00703		047GW00704	
	SAMPLE DATE ----->	05/14/96		05/14/96		06/11/96		01/25/96		05/14/96		06/11/96	
	DATE EXTRACTED -->	05/16/96						01/30/96		05/16/96			
	DATE ANALYZED --->	05/16/96		06/17/96		06/14/96		02/01/96		05/16/96		06/14/96	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	25568	VAL	25568	VAL	25931	VAL	24561	VAL	25568	VAL	25931	VAL
86290-81-5	Gasoline	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

TPH-GRO							
SAMPLE ID ------->	047-G-W008-02	047-G-W008-03	047-G-W008-04	047-G-W009-02	047-G-W009-03	047-G-W009-04
ORIGINAL ID ----->	047GW00802	047GW00803	047GW00804	047GW00902	047GW00903	047GW00904
LAB SAMPLE ID --->	24583.07	25625.01	25997.04	24593.01	25625.02	25997.05
ID FROM REPORT -->	047GW00802	047GW00803	047GW00804	047GW00902	047GW00903	047GW00904
SAMPLE DATE ----->	01/25/96	05/15/96	06/12/96	01/26/96	05/15/96	06/12/96
DATE EXTRACTED -->	01/30/96			01/30/96		
DATE ANALYZED --->	02/01/96	05/20/96	06/14/96	02/01/96	05/20/96	06/14/96
MATRIX ---------->	Water	Water	Water	Water	Water	Water
UNITS ----------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	24561	VAL	25568	VAL	25997	VAL	24593	VAL	25568	VAL	25997	VAL
86290-81-5	Gasoline	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

TPH-GRO												
	SAMPLE ID ------->	047-G-W010-02		047-G-W010-03		047-G-W010-04		047-G-W011-02		047-G-W011-03		047-G-W011-04
	ORIGINAL ID ----->	047GW01002		047GW01003		047GW01004		047GW01102		047GW01103		047GW01104
	LAB SAMPLE ID --->	24583.10		25606.01		25997.06		24561.01		25606.02		26016.03
	ID FROM REPORT -->	047GW01002		047GW01003		047GW01004		047GW01102		047GW01103		047GW01104
	SAMPLE DATE ----->	01/25/96		05/14/96		06/12/96		01/23/96		05/14/96		06/13/96
	DATE EXTRACTED -->	01/30/96		05/16/96				01/29/96		05/16/96		
	DATE ANALYZED --->	02/01/96		05/16/96		06/14/96		01/31/96		05/16/96		06/17/96
	MATRIX ---------->	Water		Water		Water		Water		Water		Water
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L
CAS #	Parameter	24561	VAL	25568	VAL	25997	VAL	24561	VAL	25568	VAL	25997	VAL
86290-81-5	Gasoline	11.7		10.	U	10.	U	10.	U	6.1	J	10.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

TPH-GRO													
	SAMPLE ID ------>	047-G-W012-02		047-G-W012-03		047-G-W012-04		047-G-W013-02		047-G-W013-03		047-G-W013-04	
	ORIGINAL ID ----->	047GW01202		047GW01203		047GW01204		047GW01302		047GW01303		047GW01304	
	LAB SAMPLE ID --->	24561.02		25558.05		26016.04		24578.03		25568.04		26028.01	
	ID FROM REPORT -->	047GW01202		047GW01203		047GW01204		047GW01302		047GW01303		047GW01304	
	SAMPLE DATE ----->	01/23/96		05/09/96		06/13/96		01/24/96 01/29/96		05/10/96		06/14/96	
	DATE EXTRACTED -->	01/29/96											
	DATE ANALYZED --->	01/31/96		05/13/96		06/17/96		01/31/96		05/13/96		06/17/96	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ----------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	24561	VAL	25504	VAL	25997	VAL	24561	VAL	25568	VAL	25997	VAL
86290-81-5	Gasoline	10.	U	6.8	J	10.	U	17.6	U	49.9		28.	

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

TPH-GRO	SAMPLE ID ------>	047-G-W015-02	047-G-W015-03	047-G-W015-04	523-G-W001-02	523-G-W001-03	523-G-W001-04
	ORIGINAL ID ----->	047GW01502	047GW01503	047GW01504	523GW00102	523GW00103	523GW00104
	LAB SAMPLE ID --->	24583.02	25568.05	26028.02	24543.03	25597.01	26046.01
	ID FROM REPORT -->	047GW01502	047GW01503	047GW01504	523GW00102	523GW00103	523GW00104
	SAMPLE DATE ----->	01/25/96	05/10/96	06/14/96	01/22/96 01/29/96	05/13/96	06/17/96
	DATE EXTRACTED -->	01/30/96					
	DATE ANALYZED --->	02/01/96	05/13/96	06/17/96	01/31/96	05/15/96	06/25/96
	MATRIX ---------->	Water	Water	Water	Water	Water	Water
	UNITS ---------->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

CAS #	Parameter	24561	VAL	25568	VAL	25997	VAL	24514	VAL	25568	VAL	25997	VAL
86290-81-5	Gasoline	10.	U	12.		10.	U	10.	U	10.2		10.	U

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

TPH-GRO						
SAMPLE ID ------->	523-G-W002-02	523-G-W002-03	523-G-W002-04			
ORIGINAL ID ----->	523GW00202	523GW00203	523GW00204			
LAB SAMPLE ID --->	24543.04	25597.02	26046.02			
ID FROM REPORT -->	523GW00202	523GW00203	523GW00204			
SAMPLE DATE ----->	01/22/96	05/13/96	06/17/96			
DATE EXTRACTED -->	01/29/96					
DATE ANALYZED --->	01/31/96	05/15/96	06/25/96			
MATRIX ---------->	Water	Water	Water			
UNITS ----------->	UG/L	UG/L	UG/L			

CAS #	Parameter	24514	VAL	25568	VAL	25997	VAL			
86290-81-5	Gasoline	10.	U	10.	U	10.	U			

*** Validation Complete ***

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

UST-SVOA		**SAMPLE ID ------->**	511-G-W002-01				
		ORIGINAL ID ----->	511GW00201				
		LAB SAMPLE ID --->	30644.04				
		ID FROM REPORT -->	511GW00201				
		SAMPLE DATE ----->	08/14/97				
		DATE EXTRACTED -->	08/16/97				
		DATE ANALYZED --->	08/18/97				
		MATRIX ---------->	Water				
		UNITS ----------->	UG/L				
CAS #	Parameter		30644				
91-20-3	Naphthalene		5.	U			
56-55-3	Benzo(a)anthracene		10.	U			
218-01-9	Chrysene		10.	U			
205-99-2	Benzo(b)fluoranthene		10.	U			
207-08-9	Benzo(k)fluoranthene		10.	U			
53-70-3	Dibenz(a,h)anthracene		10.	U			

CHARLESTON - ZONE C
CHARLESTON ZONE C - QUARTERLY SAMPLING
FINAL REPORT

UST-VOA

SAMPLE ID ------->	511-G-W002-01
ORIGINAL ID ----->	511GW00201
LAB SAMPLE ID --->	30644.04
ID FROM REPORT -->	511GW00201
SAMPLE DATE ----->	08/14/97
DATE ANALYZED --->	08/20/97
MATRIX ---------->	Water
UNITS ----------->	UG/L

CAS #	Parameter	30644					
71-43-2	Benzene	5.	U				
108-88-3	Toluene	5.	U				
100-41-4	Ethylbenzene	5.	U				
1330-20-7	Xylene (Total)	5.	U				
1634-04-4	Methyl tert-butyl ether	5.	U				

Appendix E

Zone C
Analytical Data Validation

VALIDATA

Chemical Services, Inc.

P. O. Box 930422, Norcross, GA 30093

(770) 923-3890
(770) 923-8769 (Fax)

DATA VALIDATION SUMMARY REPORT

COMPANY:	Ensafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
PROJECT NUMBER:	8500.014
CONTRACTED LAB:	CompuChem Environmental Corp.
QA/QC LEVEL:	Level III, IV
EPA SOW/METHOD:	EPA 1990 SOW
VALIDATION GUIDELINES:	*USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review,* 1994
SAMPLE MATRICES:	Soil and Water
TYPE OF ANALYSES:	Organochlorine, Pesticides / PCB's (P/PCB)
SDG NUMBERS:	0018P

SAMPLES:

Client Sample No:	Lab Number:	Matrix	P/PCB
044HW00401	731365	Water	X
047HW00501	731862	Water	X
047GW01101	732710	Water	X
047GW00601	733739	Water	X
523GW00101	732764	Water	X
523HW00101	732774	Water	X
047GW00401	733199	Water	X

H = FIELD DUPLICATES

DATA REVIEWER(S): Kent F. Pan, Ph. D., Marvin L. Smith, Jean M. Delashmit

RELEASE SIGNATURE:

Data Qualifier Definitions

J	-	The association numerical value is an estimated quantity.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 0018P Organochlorine Pesticides / PCB's

SAMPLES: 044HW00401, 047HW00501, 047GW01101, 047GW00601, 523GW00101, 523HW00101, 047GW00401

ORGANOCHLORINE PESTICIDES / PCB's

I.) Holding Times:

All Holding Time criteria were met, so no action was required.

II.) Instrument Performance:

All Instrument Performance criteria were met, so no action was necessary.

III.) Calibration:

All Calibration criteria were met, so no action was required.

IV.) Blanks:

Method Blanks:

4,4'-DDT was detected at 0.0026 ug/L in water method blank PBLK21. There were no detections of this compound in associated samples 044HW00401 and 047HW00501. No data qualification was required.

Methoxychlor was detected at 0.005 ug/L in water method blank PBLK52. Detections of this compound in associated samples 047GW01101, 047GW00601 and 523GW00101 below 5X the blank amount were flagged as undetected (U) with the analytical results below CRQL being raised to the CRQL.

The following compounds were detected in soil method blank PBLK78:

Compounds	ug/L
dieldrin	0.0024
endosulfan II	0.0035
4,4'-DDT	0.0031
methoxychlor	0.012

Detections of these compounds in associated sample 047GW00401 below 5X the blank amounts were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No action was taken.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

Blank Spike / Blank Spike Duplicate (BS / BSD) analyses were performed instead of MS / MSD. All BS / BSD criteria were met. No action was taken.

VII.) TCL Compound Identification:

Column Percent Differences (%D's) were not evaluated because analytical results were below the MDL.

VIII.) Field Duplicates:

Field duplicate samples 523GW00101 and 523HW00101 were analyzed by the laboratory. All Relative Percent Differences (RPD's) were within the QC limits. No action was required.

IX.) Pesticide Cleanup Check:

Florisil Cartridge Check:

No Florisil Cartridge Check data were available in this SDG. No action was required.

Gel Permeation Chromatography (GPC):

No Gel Permeation Chromatography (GPC) was performed in this SDG. No action was taken.

X.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422, Norcross, GA 30093

(770) 923-3890
(770) 923-8769 (Fax)

DATA VALIDATION SUMMARY REPORT

COMPANY:	Ensafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
PROJECT NUMBER:	8500.014
CASE NUMBER:	30215
CONTRACTED LAB:	CompuChem Environmental Corp.
QA/QC LEVEL:	Level III
EPA SOW/METHOD:	EPA 1990 SOW
VALIDATION GUIDELINES:	*USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review,* 1994
SAMPLE MATRICES:	Soil and Water
TYPES OF ANALYSES:	Organochlorine Pesticides / PCB's (P/PCB)
SDG NUMBERS:	0015P, 0016P, 0017P, 0021P, 0022P, 010PB

SAMPLES:

SDG: 0015P

Client Sample No:	Lab Number:	Matrix	P/PCB
510SB00301	704422	Soil	X
510SB00302	704445	Soil	X
510SB00401	704400	Soil	X
515SB00201	704254	Soil	X
515SB00402	704414	Soil	X
519SB00101	706639	Soil	X
519CB00101	706645	Soil	X
519SB00102	706663	Soil	X
519SB00201	706674	Soil	X
519SB00202	706680	Soil	X
519SB00301	706686	Soil	X
519SB00302	706696	Soil	X
519SB00401	706702	Soil	X
519SB00402	706708	Soil	X
519SB00501	706715	Soil	X
519SB00502	706722	Soil	X

Client Sample No:	Lab Number:	Matrix	P/PCB
519SB00601	706731	Soil	X
519SB00602	706737	Soil	X
515SB00201MS	704255MS	Soil	X
515SB00201MSD	704256MSD	Soil	X

C = FIELD DUPLICATE, MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

SDG: 0016P

Client Sample No:	Lab Number:	Matrix	P/PCB
0007000001	707061	Water	X
044GW00601	709176	Water	X
GRDGW00201	709205	Water	X
519EB00101	706975	Water	X

E = EQUIPMENT BLANK

SDG: 0017P

Client Sample No:	Lab Number:	Matrix	P/PCB
047GW00101	731749	Water	X
047GW00201	731764	Water	X
047GW00301	731724	Water	X
047GW00501	731836	Water	X
047GW00701	731695	Water	X
047GW00801	732677	Water	X
047GW00901	732690	Water	X
047GW01001	731680	Water	X
047GW01201	732665	Water	X
047GW01301	731742	Water	X
047GW01501	732657	Water	X
510GW00101	730817	Water	X
510GW00201	730815	Water	X
523GW00201	730816	Water	X
GDCGW00101	730808	Water	X
GDCEW00101	730812	Water	X
GDCFW00101	730813	Water	X
GDCDW00101	730811	Water	X
GDCGW01D01	730814	Water	X
GDCGW02D01	731349	Water	X
047GW00301MS	730809MS	Water	X
047GW00301MSD	730810MSD	Water	X

DW = DEIONIZED WATER BLANK, E = EQUIPMENT BLANK, F = FIELD BLANK, MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

SDG: 0021P

Client Sample No:	Lab Number:	Matrix	P/PCB
508SB00701	736393R D50	Soil	X
508SB00801	736398R D50	Soil	X
508SB00901	736401R	Soil	X
518SB00601	736794R	Soil	X
518CB00601	736704R D50	Soil	X
518SB00701	736720R D50	Soil	X
520SB00701	736728R	Soil	X
520SB00801	736731R	Soil	X
GDCSB03801	737124	Soil	X
GDCSB03802	737173	Soil	X
GDCSB04501	736403R D50	Soil	X
GDCCB04501	736411R	Soil	X
GDCSB04601	736431R	Soil	X
GDCSB04701	736432	Soil	X
GDCSB04801	736433R	Soil	X
GDCSB03801MS	736394MS	Soil	X
GDCSB03801MSD	736395MSD	Soil	X

MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE, CB = FIELD DUPLICATE

SDG: 0022P

Client Sample No:	Lab Number:	Matrix	P/PCB
GDCSB03901	737221 D50	Soil	X
GDCSB03902	737241 D11	Soil	X
GDCSB04001	737247 D50	Soil	X
GDCSB04001MS	737222 D50	Soil	X
GDCSB04001MSD	737223 D50	Soil	X

MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

SDG: 010PB

Client Sample No:	Lab Number:	Matrix	P/PCB
GRDEB01701	702500	Water	X
GRDDB01701	702542	Water	X

D = DEIONIZED WATER BLANK, E = EQUIPMENT BLANK

DATA REVIEWER(S): Kent F. Pan, Ph. D., Marvin L. Smith

RELEASE SIGNATURE:

Data Qualifier Definitions

J	-	The association numerical value is an estimated quantity.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 0015P Organochlorine Pesticides / PCB's

SAMPLES: 510SB00301, 510SB00302, 510SB00401, 515SB00201, 515SB00402, 519SB00101, 519CB00101, 519SB00102, 519SB00201, 519SB00202, 519SB00301, 519SB00302, 519SB00401, 519SB00402, 519SB00501, 519SB00502, 519SB00601, 519SB00602, 515SB00201MS, 515SB00201MSD

ORGANOCHLORINE PESTICIDES / PCB's

I.) Holding Times:

All Holding Time criteria were met, so no action was required.

II.) Instrument Performance:

All Instrument Performance criteria were met, so no action was necessary.

III.) Calibration:

All Calibration criteria were met, so no action was required.

IV.) Blanks:

Method Blanks:

The following compounds were detected in soil method blank PBLK67R:

Compounds	ug/kg
aldrin	0.13
endosulfan I	0.17
endosulfan II	0.27
4,4'-DDT	0.24

Detections of these compounds in the associated samples 515SB00201 and 510SB00301 below 5X the blank amounts were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample.

V.) Surrogate Recoveries:

The Percent Recoveries (%R's) of the surrogates were above the 30-150% QC limits for the following samples:

Client Sample #:	TCX, C1 %R	TCX, C2 %R	DCB, C1 %R	DCB, C2 %R
515SB00201	-	180	220	220
515SB00402	200	160	200	200
510SB00301	-	170	-	-
519SB00201	-	-	170	-

All positive results in the these samples were flagged as estimated (J).

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

All MS / MSD criteria were met. No action was taken.

VII.) TCL Compound Identification:

Column Percent Differences (%D's) were not evaluated because analytical results were below the MDL.

VIII.) Field Duplicates:

Field duplicate samples 519SB00101 and 519CB00101 were analyzed by the laboratory. All Relative Percent Differences (RPD's) were within the QC limits. No action was required.

IX.) Pesticide Cleanup Check:

Florisil Cartridge Check:

No Florisil Cartridge Check data were present in this SDG. No action was required.

Gel Permeation Chromatography (GPC):

No Gel Permeation Chromatography (GPC) was performed in this SDG. No action was necessary.

X.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 0016P Organochlorine Pesticides / PCB's

SAMPLES: 0007000001, 044GW00601, GRDGW00201, 519EB00101

ORGANOCHLORINE PESTICIDES / PCB's

I.) Holding Times:

All Holding Time criteria were met, so no action was required.

II.) Instrument Performance:

All Instrument Performance criteria were met, so no action was necessary.

III.) Calibration:

All Calibration criteria were met, so no action was required.

IV.) Blanks:

Method Blanks:

4,4'-DDT was detected at 0.0032 ug/kg in water method blank PBLK37. Since this compound was not detected in the associated sample, no action was required.

Endosulfan sulfate was detected at 0.0083 ug/kg in water method blank PBLK98. Detections of this compound in the associated samples 044GW00601 and GRDGW00201 below 5X the blank amount were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample.

The following compounds were detected in the equipment blank 519EB00101:

Compounds	ug/kg
aldrin	0.018
heptahlor epoxide	0.0016

Since the associated sample was an equipment blank, no action was necessary.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No action was taken.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

Blank Spike / Blank Spike Duplicate (BS / BSD) analyses were performed instead of MS / MSD analyses. All BS / BSD criteria were met. No action was taken.

VII.) TCL Compound Identification:

The Percent Difference (%D) between columns 1 and 2 for aldrin was 104% in sample 0007000001, which exceeded the 70% QC limit. The positive result for aldrin in this sample was flagged as estimated (J).

VIII.) Field Duplicates:

There were no field duplicate samples associated with this SDG. No action was necessary.

IX.) Pesticide Cleanup Check:

Florisil Cartridge Check:

No Florisil Cartridge Check data were present in this SDG. No action was required.

Gel Permeation Chromatography (GPC):

No Gel Permeation Chromatography (GPC) analysis was performed in this SDG. No action was necessary.

X.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 0017P Organochlorine Pesticides / PCB's

SAMPLES: 047GW00101, 047GW00201, 047GW00301, 047GW00501, 047GW00701, 047GW00801, 047GW00901, 047GW01001, 047GW01201, 047GW01301, 047GW01501, 510GW00101, 510GW00201, 523GW00201, GDCGW00101, GDCEW00101, GDCFW00101, GDCDW00101, GDCGW01D01, GDCGW02D01, 047GW00301MS, 047GW00301MSD

ORGANOCHLORINE PESTICIDES / PCB's

I.) Holding Times:

All Holding Time criteria were met, so no action was required.

II.) Instrument Performance:

All Instrument Performance criteria were met, so no action was necessary.

III.) Calibration:

All Calibration criteria were met, so no action was required.

IV.) Blanks:

Method Blanks:

Methoxychlor was detected at 0.0046 in soil method blank PBLK04. Detections of this compound in associated samples GDCGW00101, GDCGW01D01, 510GW00201, 523GW00201 and 510GW00101 below 5X the blank amounts were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample.

The following compounds were detected in soil method blank PBLK47:

Compounds	ug/kg
aldrin	0.0096
endosulfan I	0.00082
4,4'-DDT	0.0024
methoxychlor	0.030

Detections of these compounds in the associated samples 047GW00101, 047GW00201, 047GW00301, 047GW00501, 047GW00701, 047GW00801, 047GW00901, 047GW01001, 047GW01201, 047GW01301 and 047GW01501 below 5X the blank amounts were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample.

The following compounds had the highest detections in the water field blanks and the blank results were used for data qualifications:

Field Blank	Compounds	Method Blank, (ug/L)
GDCFW00101	aldrin	0.03
GDCFW00101	4,4'-DDT	0.0047
GDCEW00101	endrin aldehyde	0.0033
GDCDW00101	methoxychlor	0.0077
GDCDW00101	4,4'-DDD	0.0027

Detections of these compounds in all associated samples (unless previously qualified using the method blanks) below 5X the blank amounts were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample.

V.) Surrogate Recoveries:

The Percent Recoveries (%R's) of the surrogate TCX were outside the 30-150% QC limits for the following samples:

Client Sample #:	TCX, C1 %R	TCX, C2 %R
047GW01301	180	200
047GW00101	-	180
047GW00201	23	-
047GW01501	-	210
047GW00801	-	200

The positive and non-detect results in sample 047GW00201 were flagged as estimated (J) and (UJ). The positive results in the other samples were flagged as estimated (J).

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

The Relative Percent Differences (RPD's) and Percent Recoveries (% R's) of the following compounds were outside their respective QC limits in spiked water samples 047GW00301MS and 047GW00301MSD:

Compound	MS, %R	MSD, %R	RPD	QC Limits (%R)
gamma-BHC	7	-	158	32-127
heptachlor	7	-	149	34-111
aldrin	6	-	160	42-122
dieldrin	8	-	153	36-146
4,4'-DDT	9	-	154	25-160
endrin	11	-	155	30-147

All positive results for these compounds were flagged as estimated (J) and all non-detects (except endrin) were rejected (R) in sample 047GW00301 due to excessively low MS / MSD recoveries (less than 10%).

VII.) TCL Compound Identification:

Column Percent Differences (%D's) were not evaluated because analytical results were below the MDL.

VIII.) Field Duplicates:

There were no field duplicate samples associated with this SDG. No action was necessary.

IX.) Pesticide Cleanup Check:

Florisil Cartridge Check:

No Florisil Cartridge Check data were present in this SDG. No action was required.

Gel Permeation Chromatography (GPC):

No Gel Permeation Chromatography (GPC) was performed in this SDG. No action was necessary.

X.) Overall Assessment of Data/General:

All non-detect results for the spiking compounds in sample 047GW00301 were rejected (R) due to excessively low MS / MSD recoveries (less than 10%). All remaining laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 0021P Organochlorine Pesticides / PCB's

SAMPLES: 508SB00701, 508SB00801, 508SB00901, 518SB00601, 518CB00601, 518SB00701, 520SB00701, 520SB00801, GDCSB03801, GDCSB03802, GDCSB04501, GDCCB04501, GDCSB04601, GDCSB04701, GDCSB04801, GDCSB03801MS, GDCSB03801MSD

ORGANOCHLORINE PESTICIDES / PCB's

I.) Holding Times:

All Holding Time criteria were met, so no action was required.

II.) Instrument Performance:

All Instrument Performance criteria were met, so no action was necessary.

III.) Calibration:

All Calibration criteria were met, so no action was required.

IV.) Blanks:

Method Blanks:

The following compounds were detected in soil method blank PBLK68:

Compounds	ug/kg
delta-BHC	0.18
4,4'-DDE	0.11
4,4'-DDD	0.14
ensosulfan sulfate	0.14

Detections of these compounds in the associated samples GDCCB04501, GDCSB04501, GDCSB04601, GDCSB04701, GDCSB04801, 508SB00701, 508SB00801 and 508SB00901 below 5X the blank amounts were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample.

The following compounds were detected in soil method blank PBLK82:

Compounds	ug/kg
dieldrin	0.12
endosulfan II	0.53
methoxychlor	1.10
4,4'-DDE	0.15
endosulfan sulfate	0.19

Detections of these compounds in the associated samples 518SB00601, 518CB00601, 518SB00701, 520SB00701 and 520SB00801 below 5X the blank amounts were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample.

The following compounds were detected at the same level in soil method blanks PBLK19 and PBLK19R:

Compounds	ug/kg
endosulfan I	0.21
dieldrin	0.084
methoxychlor	0.39
alpha-BHC	0.04
delta-BHC	0.25
heptachlor epoxide	0.071
endrin	0.12
4,4'-DDD	0.047
endrin aldehyde	0.15

Detections of these compounds in the associated samples GDCSB03801 and GDCSB03802 below 5X the blank amounts were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample.

V.) Surrogate Recoveries:

All Surrogate Percent Recovery criteria were met. No action was taken.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

The Relative Percent Differences (RPD's) and Percent Recoveries (%R's) of the following compounds were outside their respective QC limits in spiked water samples GDCSB03801MS and GDCSB03801MSD:

Compound	MS, %R	MSD, %R	RPD	QC Limits ,%R
gamma-BHC	-	-	38	32-127
heptachlor	10	33	107	34-111
aldrin	38	-	50	42-122
dieldrin	-	2	181	36-146
4,4'-DDT	24	-	61	25-160
endrin	-	-	58	30-147
aroclor-1254	0	0	999	30-150

All non-detect result for aroclor-1254 in sample GDCSB03801 was rejected (R) and the positive result for dieldrin was flagged as estimated (J) due to an excessively low MS / MSD recovery (less than 10%). The positive and non-detect results for the remaining compounds in this sample were flagged as estimated (J) and (UJ).

VII.) TCL Compound Identification:

Column Percent Differences (%D's) were not evaluated because analytical results were below the MDL.

VIII.) Field Duplicates:

Field duplicate sample pairs 518SB00601 / 518CB00601 and GDCSB04501 / GDCCB04501 were analyzed by the laboratory. The Relative Percent Differences (RPD's) of the following compounds exceeded the 60% QC limit for soil:

Compound	518SB00601, ug/kg	518CB00601, ug/kg	RPD
dieldrin	3.5	0.44	155
methoxychlor	0.97	32	188
4,4'-DDE	6.7	0.61	167
endrin	3.1	17	138

Compound	GDCSB04501, ug/kg	GDCCB04501, ug/kg	RPD
delta-BHC	1.6	0.23	150
heptachlor epoxide	0.2	2.3	168
4,4'-DDE	8.8	76	158

The positive results for these compounds in the associated field duplicate samples were flagged as estimated (J).

IX.) Pesticide Cleanup Check:

Florisil Cartridge Check:

No Florisil Cartridge Check data were present in this SDG. No action was required.

Gel Permeation Chromatography (GPC):

No Gel Permeation Chromatography (GPC) was performed in this SDG. No action was necessary.

X.) Overall Assessment of Data/General:

The non-detect result for aroclor-1254 in sample GDCSB03801 was rejected (R) due to excessively low MS / MSD recoveries (less than 10%). All remaining laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 0022P Organochlorine Pesticides / PCB's

SAMPLES: GDCSB03901, GDCSB03902, GDCSB04001, GDCSB04001MS, GDCSB04001MSD

ORGANOCHLORINE PESTICIDES / PCB's

I.) Holding Times:

All Holding Time criteria were met, so no action was required.

II.) Instrument Performance:

All Instrument Performance criteria were met, so no action was necessary.

III.) Calibration:

All Calibration criteria were met, so no action was required.

IV.) Blanks:

Method Blanks:

The following compounds were detected in soil method blank PBLK20:

Compounds	ug/kg
endosulfan I	0.21
methoxychlor	0.27
endosulfan sulfate	0.089

Detections of these compounds in the associated samples GDCSB03901, GDCSB03902 and GDCSB04001 below 5X the blank amounts were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample.

V.) Surrogate Recoveries:

The Percent Recovery (%R) of the surrogate DCB on column 2 was 170% for sample GDCSB04001, which was above the QC limits of 30-150%. All positive results in the sample were flagged as estimated (J).

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

All MS / MSD criteria were met. No action was taken.

VII.) TCL Compound Identification:

Column Percent Differences (%D's) were not evaluated because analytical results were below the MDL.

VIII.) Field Duplicates:

There were no field duplicate samples associated with this SDG. No action was necessary.

IX.) Pesticide Cleanup Check:

Florisil Cartridge Check:

No Florisil Cartridge Check data were present in this SDG. No action was required.

Gel Permeation Chromatography (GPC):

No Gel Permeation Chromatography (GPC) was performed in this SDG. No action was necessary.

X.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 010PB Organochlorine Pesticides / PCB's

SAMPLES: GRDEB01701, GRDDB01701

ORGANOCHLORINE PESTICIDES / PCB's

I.) Holding Times:

All Holding Time criteria were met, so no action was required.

II.) Instrument Performance:

All Instrument Performance criteria were met, so no action was necessary.

III.) Calibration:

All Calibration criteria were met, so no action was required.

IV.) Blanks:

Method and Field Blanks:

Since this SDG consisted entirely of field blank samples, no action was necessary.

V.) Surrogate Recoveries:

All Surrogate Recoveries were within the QC limits, so no action was taken.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

There were no MS / MSD's performed in this SDG. No action was required.

VII.) TCL Compound Identification:

Column Percent Differences (%D's) were not evaluated because analytical results were below the MDL.

VIII.) Field Duplicates:

There were no field duplicate samples associated with this SDG. No action was necessary.

IX.) Pesticide Cleanup Check:

Florisil Cartridge Check:

No Florisil Cartridge Check data were present in this SDG. No action was required.

Gel Permeation Chromatography (GPC):

No Gel Permeation Chromatography (GPC) was performed in this SDG. No action was necessary.

X.) Overall Assessment of Data/General:

All laboratory data were acceptable without qualification.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422, Norcross, Ga. 30093

DATA VALIDATION SUMMARY REPORT

COMPANY:	EnSafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
CASE NUMBER:	50080
PROJECT NUMBER:	8500.14
CONTRACTED LAB:	CompuChem Environmental Corporation
QA/QC LEVEL:	Level III
EPA SOW/METHOD:	EPA 1990 SOW
VALIDATION GUIDELINES:	*Laboratory Data Validation Functional Guidelines for Evaluating Inorganics Analyses,* 1994; *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review,* 1994
SAMPLE MATRIX:	Soil
TYPE OF ANALYSIS:	Cyanide (CN)
SDG NUMBERS:	50012C, 50015C

SAMPLES:

SDG : 50012C

Client Sample No:	Lab Number:	Matrix	CN
047SB00901	703453	Soil	X
047CB00901	703531	Soil	X
047SB00902	703475	Soil	X
047SB01001	703488	Soil	X
047SB01101	703494	Soil	X
047SB01102	703500	Soil	X
515SB00101	704234	Soil	X
515SB00102	704245	Soil	X
515SB00202	704285	Soil	X
515SB00301	704294	Soil	X
515SB00401	704352	Soil	X
515SB00402	704374	Soil	X
515SB00501	704382	Soil	X
515SB00502	704388	Soil	X
515SB00601	704200	Soil	X

Client Sample No:	Lab Number:	Matrix	CN
515SB00602	704206	Soil	X
515CB00602	704221	Soil	X
GRDSB00401	703506	Soil	X
GRDSB00402	703512	Soil	X
515CB00602D	703478	Soil	X
515CB00602S	703477	Soil	X

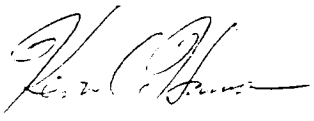
D (SUFFIX) = MATRIX DUPLICATE, S (SUFFIX) = MATRIX SPIKE, CB = FIELD DUPLICATE

SDG : 50015C

Client Sample No:	Lab Number:	Matrix	CN
510SB00301	704429	Soil	X
510SB00302	704451	Soil	X
510SB00401	704407	Soil	X
510SB00402	704418	Soil	X
515SB00201	704262	Soil	X
519SB00101	706641	Soil	X
519CB00101	706655	Soil	X
519SB00102	706670	Soil	X
519SB00201	706676	Soil	X
519SB00202	706682	Soil	X
519SB00301	706688	Soil	X
519SB00302	706698	Soil	X
519SB00401	706704	Soil	X
519SB00402	706711	Soil	X
519SB00501	706717	Soil	X
519SB00502	706724	Soil	X
519SB00601	706733	Soil	X
519SB00602	706739	Soil	X
515SB00201D	704265	Soil	X
515SB00201S	704264/704263	Soil	X

D (SUFFIX) = MATRIX DUPLICATE, S (SUFFIX) = MATRIX SPIKE, CB = FIELD DUPLICATE

DATA REVIEWER(S): Kent F. Pan, Ph. D., Marvin L. Smith

RELEASE SIGNATURE: 

Data Qualifier Definitions

J	-	The association numerical value is an estimated quantity.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 50012C Inorganics

SAMPLES: 047SB00901, 047CB00901, 047SB00902, 047SB01001, 047SB01101, 047SB01102, 515SB00101, 515SB00102, 515SB00202, 515SB00301, 515SB00401, 515SB00402, 515SB00501, 515SB00502, 515SB00601, 515SB00602, 515CB00602, GRDSB00401, GRDSB00402, 515CB00602D, 515CB00602S

CYANIDE

I.) Holding Times:

All Holding Time criteria were met, so no action was taken.

II.) Calibration:

All Calibration criteria were met, so no action was necessary.

III.) Blanks:

There were no positive detections in the method blanks, so no action was taken.

IV.) Laboratory Control Samples (LCS):

All LCS Percent Recovery criteria were met, so no action was taken.

V.) Duplicate Sample Analysis:

All Duplicate Sample RPD criteria were met, so no action was taken.

VI.) Matrix Spike Recoveries:

All Matrix Spike Percent Recovery criteria were met, so no action was taken.

VII.) Field Duplicates:

There were no calculable RPD's for the field duplicates 515SB00602 and 515CB00602 associated with this SDG. No action was taken.

VIII.) Sample Result, Calculation/Transcription Verification:

All criteria were met, so no action was taken.

IX.) Quarterly Verification of Instrumental Parameters:

All criteria were met, so no action was taken.

X.) Overall Assessment of Data/General:

All laboratory data were acceptable without qualification.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 50015C Inorganics

SAMPLES: 510SB00301, 510SB00302, 510SB00401, 510SB00402, 515SB00201, 519SB00101, 519CB00101, 519SB00102, 519SB00201, 519SB00202, 519SB00301, 519SB00302, 519SB00401, 519SB00402, 519SB00501, 519SB00502, 519SB00601, 519SB00602, 515SB00201D, 515SB00201S

CYANIDE

I.) Holding Times:

All Holding Time criteria were met, so no action was taken.

II.) Calibration:

All Calibration criteria were met, so no action was necessary.

III.) Blanks:

There were no positive detections in the method blanks, so no action was taken.

IV.) Laboratory Control Samples (LCS):

All LCS Percent Recovery criteria were met, so no action was taken.

V.) Duplicate Sample Analysis:

All Duplicate Sample RPD criteria were met, so no action was taken.

VI.) Matrix Spike Recoveries:

The Percent Recovery (%R) of cyanide (34.6%) in sample 515SB00201S was below the 75-125% QC limits. The results for cyanide in all samples associated with this SDG, which consisted entirely of non-detects, were flagged as estimated (UJ).

VII.) Field Duplicates:

All Relative Percent Difference criteria were met for field duplicates 519SB00101 and 519CB00101, so no action was taken.

VIII.) Sample Result, Calculation/Transcription Verification:

All criteria were met, so no action was taken.

IX.) Quarterly Verification of Instrumental Parameters:

All criteria were met, so no action was taken.

X.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422, Norcross, GA 30093

(770) 923-3890
(770) 923-8769 (Fax)

DATA VALIDATION SUMMARY REPORT

COMPANY:	Ensafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
PROJECT NUMBER:	8500.014
CASE NUMBER:	30057
CONTRACTED LAB:	CompuChem Environmental Corp.
QA/QC LEVEL:	Level III
EPA SOW/METHOD:	EPA 1990 SOW
VALIDATION GUIDELINES:	*USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review,* 1994
SAMPLE MATRICES:	Soil and Water
TYPES OF ANALYSES:	Chlorinated Herbicides (HERB)
SDG NUMBERS:	0015H, 0016H, 0018H

SAMPLES:

SDG: 0015H

Client Sample No:	Lab Number:	Matrix	HERB
519CB00101	706650 D50	Soil	X
519CB00101MS	706651 D50MS	Soil	X
519CB00101MSD	706652 D50MSD	Soil	X

MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

SDG: 0016H

Client Sample No:	Lab Number:	Matrix	HERB
0007000001	707065	Water	X
519EB00101	709150	Water	X

E = EQUIPMENT BLANK

SDG: 0018H

Client Sample No:	Lab Number:	Matrix	HERB
044HW00401	731388	Water	X
047HW00501	731871	Water	X
523HW00101	732777	Water	X

DATA REVIEWER(S): Kent F. Pan, Ph. D., Marvin L. Smith

RELEASE SIGNATURE:

Data Qualifier Definitions

J	-	The association numerical value is an estimated quantity.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 0015H Chlorinated Herbicides

SAMPLES: 519CB00101, 519CB00101MS, 519CB00101MSD

CHLORINATED HERBICIDES

I.) Holding Times:

All Holding Time criteria were met, so no action was required.

II.) Instrument Performance:

All Instrument Performance criteria were met. No action was necessary.

III.) Calibration:

All Calibration criteria were met. No action was necessary.

IV.) Blanks:

Method Blanks:

2,4,5-T was detected at 0.85 ug/kg in soil method blank HBLK38, which was associated with sample 519CB00101. The detection of this compound exceeded 5X the blank amount. No action was taken.

V.) Surrogate Recoveries:

All Surrogate Percent Recovery criteria were met. No action was required.

VI.) Matrix Spike/Matrix Spike Duplicate (MS / MSD):

The Relative Percent Differences (RPD's) of the following compounds were outside their respective QC limits in soil spiked samples 519CB00101MS and 519CB00101MSD:

Compound	MSD,%R	RPD	QC Limits (%R)
2,4-D	-	26	50-135
2,4,5-TP	156	27	50-135
2,4,5-T	47	59	50-135

The positive and non-detect results for these compounds in sample 519CB00101 were flagged as estimated (J) and (UJ). No further action was required for the MSD %R exceedances.

VII.) TCL Compound Identification:

The Percent Differences (%D's) between columns 1 and 2 exceeded the 70% QC limit for 2,4,5-T (150%) and 2,4-D (100%) in sample 519CB00101. The positive results for these compounds in the associated sample were flagged as estimated (J).

VIII.) Field Duplicates:

There were no field duplicate samples associated with this SDG. No action was required.

IX.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 0016H Chlorinated Herbicides

SAMPLES: 0007000001, 519EB00101

CHLORINATED HERBICIDES

I.) Holding Times:

All Holding Time criteria were met, so no action was required.

II.) Instrument Performance:

All Instrument Performance criteria were met. No action was necessary.

III.) Calibration:

All Calibration criteria were met. No action was necessary.

IV.) Blanks:

Method and Field Blanks:

There were no positive detections of target compounds in the method and field blanks. No action was taken.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No action was required.

VI.) Matrix Spike/Matrix Spike Duplicate (MS / MSD):

All MS / MSD criteria were met. No action was taken.

VII.) TCL Compound Identification:

All TCL Compound Identification criteria were met. No action was taken.

VIII.) Field Duplicates:

There were no field duplicate samples associated with this SDG. No action was required.

IX.) Overall Assessment of Data/General:

All laboratory data were acceptable without qualification.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 0018H Chlorinated Herbicides

SAMPLES: 044HW00401, 047HW00501, 523HW00101

CHLORINATED HERBICIDES

I.) Holding Times:

All Holding Time criteria were met, so no action was required.

II.) Instrument Performance:

All Instrument Performance criteria were met. No action was necessary.

III.) Calibration:

All Calibration criteria were met. No action was necessary.

IV.) Blanks:

Method Blanks:

2,4,5-TP was detected at 0.0012 ug/L in water method blank HBLK49, which was associated with sample 523HW00101. The detection of this compound exceeded 5X the blank amount. No action was necessary.

V.) Surrogate Recoveries:

All Surrogate Percent Recovery criteria were met. No action was required.

VI.) Matrix Spike/Matrix Spike Duplicate (MS / MSD):

There were no MS / MSD analyses performed in this SDG. No action was required.

VII.) TCL Compound Identification:

The Column Percent Differences (%D's) were not evaluated because the reported analytical results were below the MDL.

VIII.) Field Duplicates:

There were no field duplicate samples associated with this SDG. No action was required.

IX.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422, Norcross, GA 30093

(770) 923-3890
(770) 923-8769 (Fax)

DATA VALIDATION SUMMARY REPORT

COMPANY:	Ensafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
PROJECT NUMBER:	8500.014
CASE NUMBER	30057
CONTRACTED LAB:	CompuChem Environmental Corp.
QA/QC LEVEL:	Level III
EPA SOW/METHOD:	EPA 1990 SOW
VALIDATION GUIDELINES:	*USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review,* 1994
SAMPLE MATRIX:	Soil
TYPES OF ANALYSES:	Chlorinated Herbicides (HERB)
SDG NUMBERS:	0004H, 0012H

SAMPLES:

SDG: 0004H

Client Sample No:	Lab Number:	Matrix	HERB
517CB00202	698359	Soil	X
517CB00202RE	698359RE	Soil	X
523CB00202	698021	Soil	X
523CB00202RE	698021RE	Soil	X
517CB00202MS	698022	Soil	X
517CB00202MSD	698023	Soil	X

MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE, RE = REANALYSIS

SDG: 0012H

Client Sample No:	Lab Number:	Matrix	HERB
047CB00901	703526	Soil	X
515CB00602	704218	Soil	X
515CB00602MS	703527MS	Soil	X
515CB00602MSD	703528MSD	Soil	X

MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

DATA REVIEWER(S): Kent F. Pan, Ph. D., Marvin L. Smith, Jean M. Delashmit

RELEASE SIGNATURE:

Data Qualifier Definitions

J	-	The association numerical value is an estimated quantity.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 0004H Chlorinated Herbicides

SAMPLES: 517CB00202, 517CB00202RE, 523CB00202, 523CB00202RE, 517CB00202MS, 517CB00202MSD

CHLORINATED HERBICIDES

I.) Holding Times:

The holding times to reextraction were 28 and 29 days for samples 517CB00202RE and 523CB00202RE, respectively, which exceeded the 14 day QC limit. All positive and non-detect results for these reextractions were flagged as estimated (J) and (UJ).

II.) Instrument Performance:

All Instrument Performance criteria were met. No action was necessary.

III.) Calibration:

All Calibration criteria were met. No action was necessary.

IV.) Blanks:

Method Blanks:

2,4,5-TP, 2,4,5-T and dinoseb were detected at 6.9 ug/kg, 24 ug/kg and 8.1 ug/kg in soil method blank HBLK41, which was associated with samples 517CB00202 and 523CB00202. The detections of these compounds in associated samples below 5X the blank amounts were flagged as undetected (U) with the analytical results less than CRQL being with the CRQL.

2,4-D, 2,4,5-TP, 2,4,5-T and dinoseb were detected at 4.7 ug/kg, 1.0 ug/kg, 0.4 ug/kg and 2.3 ug/kg in soil method blank HBLK28, which was associated with samples 517CB00202RE and 523CB00202RE. The detections of these compounds in associated samples below 5X the blank amounts were flagged as undetected (U) with the analytical results less than CRQL being with the CRQL.

V.) Surrogate Recoveries:

All Surrogate Percent Recovery criteria was met. No action was required.

VI.) Matrix Spike/Matrix Spike Duplicate (MS / MSD):

The Relative Percent Differences (RPD's) of the following compounds were outside their respective QC limits in soil spiked samples 517CB00202MS and 517CB00202MSD:

Compound	RPD
2,4,5-TP	23
2,4,5-T	26

The positive and non-detect results for 2,4-D and 2,4,5-T in sample 517CB00202 were flagged as estimated (J) and (UJ).

VII.) TCL Compound Identification:

Column Percent Differences (%D's) were not evaluated because the reported analytical results were below the MDL.

VIII.) Field Duplicates:

There were no field duplicate samples associated with this SDG. No action was required.

IX.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 0012H Chlorinated Herbicides

SAMPLES: 047CB00901, 515CB00602, 515CB00602MS, 515CB00602MSD

CHLORINATED HERBICIDES

I.) Holding Times:

All Holding Time criteria were met, so no action was required.

II.) Instrument Performance:

All Instrument Performance criteria were met. No action was necessary.

III.) Calibration:

All Calibration criteria were met. No action was necessary.

IV.) Blanks:

Method Blanks:

There were no positive detections in the method blank associated with this SDG. No action was taken.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No action was required.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

All MS / MSD criteria were met. No action was taken.

VII.) TCL Compound Identification:

All TCL Compound Identification criteria were met. No action was taken.

VIII.) Field Duplicates:

There was no field duplicate sample pair this SDG. No action was required.

IX.) Overall Assessment of Data/General:

All laboratory data were acceptable without qualification.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422, Norcross, GA 30093

(770) 923-3890
(770) 923-8769 (Fax)

DATA VALIDATION SUMMARY REPORT

COMPANY:	Ensafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
PROJECT NUMBER:	8500.014
CONTRACTED LAB:	CompuChem Environmental Corp.
QA/QC LEVEL:	Level III, IV
EPA SOW/METHOD:	EPA 1990 SOW
VALIDATION GUIDELINES:	*USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review,* 1994
SAMPLE MATRICES:	Soil, Water
TYPES OF ANALYSES:	Organophosphorus Pesticides (OP/PE) Chlorinated Herbicides (HERB)
SDG NUMBERS:	0012A, 0018A, 0021H

SAMPLES:

SDG: 0012A

Client Sample No:	Lab Number:	Matrix	OP/PE
047CB00901	703522	Soil	X
515CB00602	704216	Soil	X
515CB00602MS	703523MS	Soil	X
515CB00602MSD	703524MSD	Soil	X

MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

SDG : 0018A

Client Sample No:	Lab Number:	Matrix	OP/PE
044HW00401	731370	Water	X
047HW00501	731874	Water	X
523HW00101	732778	Water	X

SDG: 0021H

Client Sample No:	Lab Number:	Matrix	HERB
GDCCB04501	736416	Soil	X
518CB00601	736711	Soil	X
518CB00601MS	736417MS	Soil	X
518CB00601MSD	736418MSD	Soil	X

MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

DATA REVIEWER(S): Kent F. Pan, Ph. D., Marvin L. Smith, Jean M. Delashmit

RELEASE SIGNATURE:

Data Qualifier Definitions

J	-	The association numerical value is an estimated quantity.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 0012A Organophosphorus Pesticides

SAMPLES: 047CB00901, 515CB00602, 515CB00602MS, 515CB00602MSD

ORGANOPHOSPHORUS PESTICIDES

I.) Holding Times:

All Holding Time criteria were met, so no action was required.

II.) Instrument Performance:

All Instrument Performance criteria were met. No action was necessary.

III.) Calibration:

All Calibration criteria were met. No action was necessary.

IV.) Blanks:

Method Blanks:

The following compounds were detected in associated soil method blank PBLK40:

Compound	Detections (ug/kg)
sulfotepp	4.4
disulfoton	7.4
dimethoate	32
methyl-parathion	6.5
ethyl-parathion	7.5
famphur	13

Detections of these compounds in the associated sample 047CB00901 below 5X the blank amounts were flagged as undetected (U) with the detection limit being raised to the level of contamination in the sample.

Dimethoate was detected at 3.8 ug/kg in soil method blank PBLK68. The detection of this compound in associated sample 515CB00602 below 5X the blank amount was flagged as undetected (U) with the analytical result below the CRQL being replaced with the CRQL.

V.) Surrogate Recoveries:

The Percent Recovery (%R) of the surrogate methidathion was 140% on the secondary column for sample 047CB00901, which exceeded the 50-135% QC limits. Since there were no positive results in the sample after qualification, no action was necessary.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

The MS / MSD Relative Percent Differences (RPD's) of the following compounds were outside the 20% QC limit in soil spiked samples 515CB00602MS and 515CB00602MSD:

Compound	RPD	QC Limit
disulfoton	23	20%
famphur	30	20%
sulfotepp	21	20%

The positive and non-detect results for these compounds in sample 515CB00602 were flagged as estimated (J) and (UJ).

VII.) TCL Compound Identification:

The Column Percent Differences (%D's) were not evaluated because the reported analytical results were below the MDL.

VIII.) Field Duplicates:

There were no field duplicate sample pairs in this SDG. No action was required.

IX.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 0018A Organophosphorus Pesticides

SAMPLES: 044HW00401, 047HW00501, 523HW00101

ORGANOPHOSPHORUS PESTICIDES

I.) Holding Times:

All Holding Time criteria were met, so no action was required.

II.) Instrument Performance:

All Instrument Performance criteria were met. No action was necessary.

III.) Calibration:

All Calibration criteria were met. No action was necessary.

IV.) Blanks:

Method Blanks:

The following compounds were detected in water method blank PBLK18:

Compound	Detections (ug/L)
phorate	0.30
sulfotepp	0.15
disulfoton	0.068
dimethoate	0.54
methyl-parathion	0.43
ethyl-parathion	0.33
famphur	0.32

These laboratory results were not present on the spreadsheet, but were entered during validation. There were no positive detections of these compounds in the associated samples 044HW00401 and 047HW00501. No further action was taken.

The following compounds were detected in water method blank PBLK76:

Compound	Detections (ug/kg)
dimethoate	0.48
methyl-parathion	0.27
ethyl-parathion	0.19
famphur	0.32

Detections of these compounds in the associated sample 523HW00101 below 5X the blank amounts were flagged as undetected (U) with the analytical results less than CRQL being replaced with the CRQL.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No action was taken.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

There were no field duplicate samples associated with this SDG. No action was required.

IX.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 0021H Chlorinated Herbicides

SAMPLES: GDCCB04501, 518CB00601, 518CB00601MS, 518CB00601MSD

CHLORINATED HERBICIDES

I.) Holding Times:

All Holding Time criteria were met, so no action was required.

II.) Instrument Performance:

All Instrument Performance criteria were met. No action was necessary.

III.) Calibration:

All Calibration criteria were met. No action was necessary.

IV.) Blanks:

Method Blanks:

Dinoseb was detected at 2.8 ug/kg in soil method blank HBLK65. The detection of this compound in associated sample GDCCB04501 below 5X the blank amount was flagged as undetected (U) with the analytical result below CRQL being replaced with the CRQL.

2,4,5-T and dinoseb were detected at 11 ug/kg and 1.7 ug/kg, repectively, in soil method blank HBLK81, which was associated with sample 518CB00601. The detections of these compounds in the associated sample below 5X the blank amounts were flagged as undetected (U) with the analytical result below CRQL being replaced with the CRQL.

V.) Surrogate Recoveries:

All Surrogate Percent Recovery criteria was met. No action was required.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

The Relative Percent Differences (RPD's) of the following compounds were outside their respective QC limits in soil spiked samples 518CB00601MS and 518CB00601MSD:

Compound	MS	MSD	RPD	QC Limits
2,4-D	0	10	200	50-135
2,4,5-TP	-3	-	200	50-135
2,4,5-T	-5	22	200	50-135

The non-detect results for 2,4-D and 2,4,5-T in sample 518CB00601 were rejected (R) due to MS / MSD percent recoveries less than 30%. The positive result for 2,4,5-TP in this sample was flagged as estimated (J).

VII.) TCL Compound Identification:

The Percent Difference (%D) between columns 1 and 2 exceeded the 70% QC limit for 2,4,5-TP (107%) in sample 518CB00601. The positive result for this compound in the associated sample was flagged as estimated (J).

VIII.) Field Duplicates:

There were no field duplicate samples associated with this SDG. No action was required.

IX.) Overall Assessment of Data/General:

The non-detec results for 2,4-D and 2,4,5-T in sample 518CB00601 were rejected due to extremly low matrix spike recoveries.

All other laboratory data were acceptable with qualification.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422, Norcross, GA 30093

(770) 923-3890
(770) 923-8769 (Fax)

DATA VALIDATION SUMMARY REPORT

COMPANY:	Ensafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
PROJECT NUMBER:	8500.014
CASE NUMBER:	30057
CONTRACTED LAB:	CompuChem Environmental Corporation
QA/QC LEVEL:	Level III
EPA SOW/METHOD:	EPA 1990 SOW / TCLP Method 1311
VALIDATION GUIDELINES:	*USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review,* 1994
SAMPLE MATRIX:	Solid (Coal) Leachate
TYPES OF ANALYSIS:	TCLP Chlorinated Herbicides (HERB)
SDG NUMBER:	001HT

SAMPLES:

Client Sample No:	Lab Number:	Matrix	HERB
044KB00101	706650 D50	Leachate	X
044KB00101MS	706651 D50MS	Leachate	X
044KB00101MSD	706652 D50MSD	Leachate	X

MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

DATA REVIEWER(S): Marvin L. Smith, Jean M. Delashmit

RELEASE SIGNATURE:

Data Qualifier Definitions

J	-	The association numerical value is an estimated quantity.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 001HT TCLP Chlorinated Herbicides

SAMPLES: 044KB00101, 044KB00101MS, 044KB00101MSD

CHLORINATED HERBICIDES

I.) Holding Times:

All Holding Time criteria were met, so no action was required.

II.) Instrument Performance:

All Instrument Performance criteria were met. No action was necessary.

III.) Calibration:

All Calibration criteria were met. No action was taken.

IV.) Blanks:

Method Blanks:

There were no positive detections in the leachate method blank. No action was required.

V.) Surrogate Recoveries:

All Surrogate Percent Recovery criteria were met. No action was necessary.

VI.) Laboratory Control Sample (BS):

All Blank Spike Recovery criteria were met. No action was taken.

VII.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

All MS / MSD Recovery criteria were met. Data qualification was not required.

VIII.) TCL Compound Identification:

All criteria were met. No action was necessary.

IX.) Field Duplicates:

There were no field duplicate samples associated with this SDG. No action was required.

X.) Overall Assessment of Data/General:

All laboratory data were acceptable without qualification.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422 Norcross, Ga. 30093

DATA VALIDATION SUMMARY REPORT

COMPANY:	Ensafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
PROJECT NUMBER:	8500.014
CONTRACTED LAB:	CompuChem Environmental Co.
QA/QC LEVEL:	Level III
EPA SOW/METHOD:	EPA 1990 SOW
VALIDATION GUIDELINES:	*National Functional Guidelines for Organic Data Review*, 1994, *National Functional Guidelines for Inorganic Data Review*, 1994
SAMPLE MATRICES:	Soil andWater
TYPES OF ANALYSES:	Total Petroleum Hydrocarbons (TPH), Total Organic Carbon (TOC)
SDG NUMBERS:	30215.1G, 30215.2G, 30215.3G, 30215.4G, 30215.4GB, 30215.5G, 30215.8W

SAMPLES:

SDG NUMBER: 30215.1G

Client Sample #:	Lab Sample #:	Matrix	TPH
GRDSB00101	690549	Soil	X
GRDSB00102	690550	Soil	X
GRDSB00201	690467	Soil	X
GRDSB00601	691089	Soil	X
GRDSB00201MS	690467MS	Soil	X
GRDSB00201MSD	690467MSD	Soil	X

MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

SDG NUMBER: 30215.2G

Client Sample #:	Lab Sample #:	Matrix	TPH
508SB00101	692022	Soil	X
508SB00201	692035	Soil	X
508SB00301	692028	Soil	X
508SB00401	692098	Soil	X
508SB00402	692056	Soil	X
508SB00501	692015	Soil	X
508SB00601	692041	Soil	X
511SB00101	692145	Soil	X
511SB00102	692166	Soil	X
511SB00201	692201	Soil	X
511SB00202	692156	Soil	X
511SB00302	692182	Soil	X
511SB00401	692104	Soil	X
511SB00502	692191	Soil	X
511SB00601	692009	Soil	X
GRDSB00301	691122	Soil	X
GRDSB00501	691110	Soil	X
GRDSB00801	691128	Soil	X
GRDSB00802	691134	Soil	X
GRDSB00501MS	691110MS	Soil	X
GRDSB00501MSD	691110MSD	Soil	X

MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

SDG NUMBER: 30215.3G

Client Sample #:	Lab Sample #:	Matrix	TPH
047SB00501	697013	Soil	X
047SB00502	697019	Soil	X
047SB00601	697025	Soil	X
511SB00301	692222	Soil	X
511SB00501	692253	Soil	X
511SB00602	693238	Soil	X
511SB00301MS	692222MS	Soil	X
511SB00301MSD	692222MSD	Soil	X

MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

SDG NUMBER: 30215.4G

Client Sample #:	Lab Sample #:	Matrix	TPH
047SB00101	697968	Soil	X

Client Sample #:	Lab Sample #:	Matrix	TPH
047SB00102	697980	Soil	X
047SB00201	697986	Soil	X
523SB00101	697998	Soil	X
523SB00102	698010	Soil	X
523SB00201	698004	Soil	X
523SB00202	697992	Soil	X
523CB00202	698016	Soil	X
047SB00101MS	697968MS	Soil	X
047SB00101MSD	697968MSD	Soil	X

C = FIELD DUPLICATE, MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

SDG NUMBER: 30215.4GB

Client Sample #:	Lab Sample #:	Matrix	TPH
523EB00202	697936	Water	X
523DB00202	697899	Water	X

EB = EQUIPMENT BLANK, DB = DEIONIZED BLANK

SDG NUMBER: 30215.5G

Client Sample #:	Lab Sample #:	Matrix	TPH
516SB00101	699056	Soil	X
516SB00102	699065	Soil	X
516SB00201	699071	Soil	X
516SB00202	699077	Soil	X
516SB00101MS	699056MS	Soil	X
516SB00101MSD	699056MSD	Soil	X

MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

SDG NUMBER: 30215.8W

Client Sample #:	Lab Sample #:	Matrix	TOC
044M001801	701969	Soil	X
044M001901	701974	Soil	X
044N001901	701976	Soil	X
044M002001	701978	Soil	X
044M002101	701980	Soil	X
044M001901MS	701974MS	Soil	X
044M001901MSD	701974MSD	Soil	X

N = FIELD DUPLICATE, MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

DATA REVIEWER(S): Amy L. Hogan, Marvin L. Smith

RELEASE SIGNATURE:

Data Qualifier Definitions:

J	-	The associated numerical value is an estimated quantity.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

COMPUCHEM - 30215.1G Organics

SAMPLES: GRDSB00101, GRDSB00102, GRDSB00201, GRDSB00201MS, GRDSB00201MSD, GRDSB00601

TOTAL PETROLEUM HYDROCARBONS

I.) Holding Times:

All samples were extracted and analyzed within required holding times. No action was required.

II.) Calibration:

All Calibration criteria were met. No action was necessary.

III.) Blanks:

Method Blanks:

There were no positive detections in the method blanks, so no data qualification was necessary.

IV.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met. No action was required.

V.) Matrix Spike/Matrix Spike Duplicate (MS / MSD):

All MS / MSD criteria were met. No action was necessary.

VI.) TCL Compound Identification:

All compound identification criteria were met. No action was required.

VII.) Field Duplicates:

There were no field duplicates associated with this SDG. No action was taken.

VIII.) Overall Assessment of Data/General:

All data were acceptable without qualification. Incorrect results for these samples were placed on the associated spreadsheet. These results were lined out and the correct results were placed directly below.

DATA QUALIFICATION SUMMARY

COMPUCHEM - 30215.2G Organics

SAMPLES: 508SB00101, 508SB00201, 508SB00301, 508SB00401, 508SB00402, 508SB00501, 508SB00601, 511SB00101, 511SB00102, 511SB00201, 511SB00202, 511SB00302, 511SB00401, 511SB00502, 511SB00601, GRDSB00301, GRDSB00501, GRDSB00801, GRDSB00802, GRDSB00501MS, GRDSB00501MSD

TOTAL PETROLEUM HYDROCARBONS

I.) Holding Times:

All samples were extracted and analyzed within required holding times. No action was required.

II.) Calibration:

All Calibration criteria were met. No action was necessary.

III.) Blanks:

Method Blanks:

There were no positive detections in the method blanks, so no data qualification was necessary.

IV.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met. No action was required.

V.) Matrix Spike/Matrix Spike Duplicate (MS / MSD):

The Percent Recovery (%R) for GRDSB00501MS (-141%) was below the 75-125% CQ limits due to severe matrix interference. Since the recovery was less than 0%, all results for all samples in this SDG, which consisted entirely of positive detections, were flagged as estimated (J).

VI.) TCL Compound Identification:

All Compound Identification criteria were met. No action was required.

VII.) Field Duplicates:

There were no field duplicates associated with this SDG.

VII.) Overall Assessment of Data/General:

All data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

COMPUCHEM - 30215.3G Organics

SAMPLES: 047SB00501, 047SB00502, 047SB00601, 511SB00301, 511SB00501, 511SB00602, 511SB00301MS, 511SB00301MSD

TOTAL PETROLEUM HYDROCARBONS

I.) Holding Times:

All samples were extracted and analyzed within required holding times. No action was required.

II.) Calibration:

All Calibration criteria were met. No action was necessary.

III.) Blanks:

Method Blanks:

There were no positive detections in the method blanks, so no data qualification was necessary.

IV.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met. No action was required.

V.) Matrix Spike/Matrix Spike Duplicate (MS / MSD):

All MS / MSD criteria were met. No action was necessary.

VI.) TCL Compound Identification:

All Compound Identification criteria were met. No action was required.

VII.) Field Duplicates:

There were no field duplicates associated with this SDG.

VIII.) Overall Assessment of Data/General:

All data were acceptable without qualification.

DATA QUALIFICATION SUMMARY

COMPUCHEM - 30215.4G Organics

SAMPLES: 047SB00101, 047SB00102, 047SB00201, 523SB00101, 523SB00102, 523SB00201, 523SB00202, 523CB00202, 047SB00101MS, 047SB00101MSD

TOTAL PETROLEUM HYDROCARBONS

I.) Holding Times:

All samples were extracted and analyzed within required holding times. No action was required.

II.) Calibration:

All Calibration criteria were met. No action was necessary.

III.) Blanks:

Method Blanks:

There were no positive detections in the method blanks, so no data qualification was necessary.

Field Blanks:

There were no positive detections in associated field blanks 523DB00202 and 523EB00202, which were analyzed in SGD 30215.4GB. No action was required.

IV.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met. No action was required.

V.) Matrix Spike/Matrix Spike Duplicate (MS / MSD):

The Percent Recoveries (%R's) for 047SB00101MS (610%) and 047SB00101MSD (1500%) exceeded the 75-125% QC limits. All sample results for TPH in all samples for this SDG, which consisted entirely of positive detections, were flagged as estimated (J).

VI.) TCL Compound Identification:

All Compound Identification criteria were met. No action was required.

VII.) Field Duplicates:

The Relative Percent Difference (RPD) of 9.1% for field duplicate samples 523SB00202 and 523CB00202 was within the 60% CQ limit. No action was necessary.

VIII.) Overall Assessment of Data/General:

All data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

COMPUCHEM - 30215.4GB Organics

SAMPLES: 523DB00202, 523EB00202

TOTAL PETROLEUM HYDROCARBONS

I.) Holding Times:

All samples were extracted and analyzed within required holding times. No action was required.

II.) Calibration:

All Calibration criteria were met. No action was necessary.

III.) Blanks:

Method Blanks:

There were no positive detections in the method blanks, so no data qualification was necessary.

IV.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met. No action was required.

V.) Matrix Spike/Matrix Spike Duplicate (MS / MSD):

There were no MS / MSD's associated with this SDG. No action was necessary.

VI.) TCL Compound Identification:

All Compound Identification criteria were met. No action was required.

VII.) Field Duplicates:

There were no field duplicates associated with this SDG.

VIII.) Overall Assessment of Data/General:

All data were acceptable without qualification.

DATA QUALIFICATION SUMMARY

COMPUCHEM - 30215.5G Organics

SAMPLES: 516SB00101, 516SB00101MS, 516SB00101MSD, 516SB00102, 516SB00201, 516SB00202

TOTAL PETROLEUM HYDROCARBONS

I.) Holding Times:

All samples were extracted and analyzed within required holding times. No action was required.

II.) Calibration:

All Calibration criteria were met. No action was necessary.

III.) Blanks:

Method Blanks:

There were no positive detections in the method blanks, so no data qualification was necessary.

IV.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met. No action was required.

V.) Matrix Spike/Matrix Spike Duplicate (MS / MSD):

All MS / MSD criteria were met. No action was necessary.

VI.) TCL Compound Identification:

All Compound Identification criteria were met. No action was required.

VII.) Field Duplicates:

There were no field duplicates associated with this SDG.

VIII.) Overall Assessment of Data/General:

All data were acceptable without qualification.

DATA QUALIFICATION SUMMARY

COMPUCHEM - 30215.8W Organics

SAMPLES: 044M001801, 044M001901, 044M001901MS, 044M001901MSD, 044N001901, 044M002001, 044M002101

TOTAL ORGANIC CARBON

I.) Holding Times:

All samples were extracted and analyzed within required holding times. No action was required.

II). Instrument Performance:

All Instrument Performance criteria were met. No action was necessary.

III.) Calibration:

All Calibration criteria were met. No action was necessary.

IV.) Blanks:

Method Blanks:

There were no positive detections in the method blanks, so no data qualification was necessary.

IV.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met. No action was required.

VI.) Matrix Spike/Matrix Spike Duplicate (MS / MSD):

All MS / MSD criteria were met. No action was necessary.

VII.) TCL Compound Identification:

All Compound Identification criteria were met. No action was required.

VIII.) Field Duplicates:

The Relative Percent Difference (RPD) of 36% for field duplicate samples 044M001901 and 044N001901 met the 60% QC limit for soil samples. No action was taken.

IX.) Overall Assessment of Data/General:

All data were acceptable without qualification.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422, Norcross, GA 30093

(770) 923-3890
(770) 923-8769 (Fax)

DATA VALIDATION SUMMARY REPORT

COMPANY:	Ensafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
PROJECT NUMBER:	8500.014
CONTRACTED LAB:	CompuChem Environmental Corp.
QA/QC LEVEL:	Level III
EPA SOW/METHOD:	EPA 1990 SOW
VALIDATION GUIDELINES:	*USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review,* 1994
SAMPLE MATRICES:	Soil and Water
TYPES OF ANALYSES:	Cyanide (CN)
SDG NUMBERS:	50018C, 50021C, 50022C

SAMPLES:

SDG NUMBER: 50018C

Client Sample #:	Lab Sample #:	Matrix	CN
044GW00101	731419	Water	X
044GW00201	731425	Water	X
044GW00301	731426	Water	X
044GW00401	731414	Water	X
044GW00501	731427	Water	X
044GW00701	731946	Water	X
044GW00801	731955	Water	X
044HW00401	731381	Water	X
047GW00401	733201	Water	X
047GW00601	732743	Water	X
047GW01101	732718	Water	X
047HW00501	731869	Water	X
523GW00101	732768	Water	X
523HW00101	732776	Water	X

H = FIELD DUPLICATE

SDG NUMBER: 50021C

Client Sample #:	Lab Sample #:	Matrix	CN
518CB00601	736710	Soil	X
GDCCB04501	736421	Soil	X
GDCSB03801	737138	Soil	X
GDCSB03802	737193	Soil	X
GDCSB03801MD	736424MD	Soil	X
GDCSB03801MS	736423/736422MS	Soil	X

MS = MATRIX SPIKE, MD = MATRIX DUPLICATE

SDG NUMBER: 50022

Client Sample #:	Lab Sample #:	Matrix	CN
GRCSB03901	737233	Soil	X
GRCSB03902	737244	Soil	X
GRCSB04001	737249	Soil	X

DATA REVIEWER(S): Kent F. Pan, Ph. D., Marvin L. Smith, Jean M. Delashmit

RELEASE SIGNATURE:

Data Qualifier Definitions

J	-	The association numerical value is an estimated quantity.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 50018C Inorganics

SAMPLES: 044GW00101, 044GW00201, 044GW00301, 044GW00401, 044GW00501, 044GW00701, 044GW00801, 044HW00401, 047GW00401, 047GW00601, 047GW01101, 047HW00501, 523GW00101, 523HW00101

CYANIDE

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) Calibration:

All Calibration criteria were met. No action was required.

III.) Blanks:

All Method Blank criteria were met. No action was required.

IV.) Laboratory Control Samples (LCS):

All Laboratory Control Sample criteria were met. No action was required.

V.) Duplicate Sample Analysis:

There were no Duplicate Sample analyses performed in this SDG. No action was necessary.

VI.) Matrix Spike Recoveries:

There were no Matrix Spike analyses performed in this SDG. No action was taken.

VII.) Field Duplicates:

Two field duplicate sample pairs 044GW00401 / 044HW00401 and 523GW00101 / 523HW00101 were analyzed in this SDG. There were no calculable Relative Percent Differences (RPD's) for either sample pair. No action was required.

VIII.) Sample Result Calculation/Transcription Verification:

All criteria were met, so no action was taken.

IX.) Overall Assessment of Data/General:

All laboratory data were acceptable without qualification.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 50021C Inorganics

SAMPLES: 518CB00601, GDCCB04501, GDCSB03801, GDCSB03802, GDCSB03801MD, GDCSB03801MS

CYANIDE

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) Calibration:

All Calibration criteria were met. No action was required.

III.) Blanks:

All Method Blank criteria were met. No action was required.

IV.) Laboratory Control Samples (LCS):

All Laboratory Control Sample criteria were met. No action was required.

V.) Duplicate Sample Analysis:

All Duplicate Sample criteria were met. No action was necessary.

VI.) Matrix Spike Recoveries:

All Matrix Spike Recovery criteria were met. No action was taken.

VII.) Field Duplicates:

There were no field duplicate samples associated with this SDG. No action was required.

VIII.) Sample Result Calculation/Transcription Verification:

All criteria were met, so no action was taken.

IX.) Overall Assessment of Data/General:

All laboratory data were acceptable without qualification.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 50022C Inorganics

SAMPLES: GRCSB03901, GRCSB03902, GRCSB04001

CYANIDE

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) Calibration:

All Calibration criteria were met. No action was required.

III.) Blanks:

All Method Blank criteria were met. No action was required.

IV.) Laboratory Control Samples (LCS):

All Laboratory Control Sample criteria were met. No action was required.

V.) Duplicate Sample Analysis:

There was no Duplicate Sample analysis for this SDG. No action was necessary.

VI.) Matrix Spike Recoveries:

There was no Matrix Spike analyses in this SDG. No action was required.

VII.) Field Duplicates:

There were no field duplicate samples in this SDG. No action was required.

VIII.) Sample Result Calculation/Transcription Verification:

All criteria were met, so no action was taken.

IX.) Overall Assessment of Data/General:

All laboratory data were acceptable without qualification.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422, Norcross, GA 30093

(770) 923-3890
(770) 923-8769 (Fax)

DATA VALIDATION SUMMARY REPORT

COMPANY:	Ensafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
PROJECT NUMBER:	8500.014
CONTRACTED LAB:	CompuChem Environmental Corporation
QA/QC LEVEL:	Level III
EPA SOW/METHOD:	EPA 1990 SOW
VALIDATION GUIDELINES:	*USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review,* 1994
SAMPLE MATRIX:	Water
TYPES OF ANALYSIS:	Cyanide (CN)
SDG NUMBER:	50016C

SAMPLES:

Client Sample #:	Lab Sample #:	Matrix	CN
007000001	707067	Water	X
044GW00601	709178	Water	X
GRDGW00201	709208	Water	X
519EB00101	706996	Water	X

EB = EQUIPMENT BLANK

DATA REVIEWER(S): Marvin L. Smith, Jean M. Delashmit

RELEASE SIGNATURE:

Data Qualifier Definitions

J	-	The association numerical value is an estimated quantity.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 50016C Cyanide

SAMPLES: 0007000001, 044GW00601, GRDGW00201, 519EB00101

CYANIDE

I.) Holding Times:

All Holding Time criteria were met. No action was taken.

II.) Calibration:

All Calibration criteria were met. No action was required.

III.) Blanks:

There were no positive detections in the calibration, preparation or equipment blanks. No action was necessary.

IV.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met. No action was required.

V.) Duplicate Sample Analysis:

There were no Duplicate Sample Analyses in this SDG. No action was taken.

VI.) Matrix Spike Recoveries:

There were no Matrix Spike Analyses in this SDG. No action was necessary.

VII.) Field Duplicates:

There were no field duplicates associated with this SDG. No action was required.

VIII.) Sample Result, Calculation/Transcription Verification:

All criteria were met, so no action was taken.

IX.) Overall Assessment of Data/General:

All laboratory data were acceptable without qualification.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422, Norcross, Ga. 30093

DATA VALIDATION SUMMARY REPORT

COMPANY:	Ensafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
PROJECT NUMBER:	8500.014
CONTRACTED LAB:	CompuChem Environmental Co.
QA/QC LEVEL:	Level III
EPA SOW/METHOD:	EPA 1990 SOW
VALIDATION GUIDELINES:	*National Functional Guidelines for Organic Data Review,* 1994; *Laboratory Data Validation Functional Guidelines for Evaluating Inorganics Analyses,* 1994; *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review,* 1994; *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review,* 1994
SAMPLE MATRICES:	Soil and Water
TYPES OF ANALYSES:	Cyanide (CN)
SDG NUMBERS:	0006C, 0007C, 0010C, 010CB, 0075C

SAMPLES:

SDG NUMBER: 0006C

Client Sample #:	Lab Sample #:	Matrix	CN
513SB00101	702273	Soil	X
513SB00102	702285	Soil	X
513SB00201	702299	Soil	X
513SB00202	702309	Soil	X
513SB00301	702321	Soil	X
513SB00302	702332	Soil	X
513SB00401	702337	Soil	X
513SB00402	702346	Soil	X
513SB00501	702355	Soil	X
513SB00502	702363	Soil	X
513SB00601	702374	Soil	X
520CB00302	701030	Soil	X
520SB00401	700579	Soil	X

Client Sample #:	Lab Sample #:	Matrix	CN
520SB00402	700588	Soil	X
520SB00501	700593	Soil	X
520SB00502	700598	Soil	X
520SB00601	700603	Soil	X
520SB00602	700608	Soil	X
GRDCB01301	702015	Soil	X
GRDCB02302	701997	Soil	X
513SB00202MS	702309MS	Soil	X
513SB00202MD	702309MD	Soil	X

C = FIELD DUPLICATE, MS = MATRIX SPIKE, MD = MATRIX DUPLICATE

SDG NUMBER: 0007C

Client Sample #:	Lab Sample #:	Matrix	CN
044W001401	704845	Water	X
044W001601	704850	Water	X
044W001801	701895	Water	X
044W001901	701916	Water	X
044R001901	701935	Water	X
044W002001	701960	Water	X
044W002101	701967	Water	X
044W002201	704859	Water	X
044W001901MS	701916MS	Water	X
044W001901MD	701916MD	Water	X

R = FIELD DUPLICATE, MS = MATRIX SPIKE, MD = MATRIX DUPLICATE

SDG NUMBER: 0010C

Client Sample #:	Lab Sample #:	Matrix	CN
047SB00301	703341	Soil	X
047SB00302	703342	Soil	X
047SB00401	703330	Soil	X
047CB00401	703346	Soil	X
047SB00402	703331	Soil	X
047SB00801	703343	Soil	X
047SB00802	703347	Soil	X
047SB01101	703332	Soil	X
047SB01102	703333	Soil	X
047SB01201	703334	Soil	X
047SB01202	703340	Soil	X
047SB01301	703344	Soil	X
047SB01302	703345	Soil	X

Client Sample #:	Lab Sample #:	Matrix	CN
047SB01501	703328	Soil	X
047SB01502	703329	Soil	X
513SB00202	702419	Soil	X
513SB00602	702397	Soil	X
GRDSB00701	703441	Soil	X
GRDSB01701	702600	Soil	X
GRDSB03502	702434	Soil	X
047SB00401MS	703330MS	Soil	X
047SB00401MD	703330MD	Soil	X

C = FIELD DUPLICATE, MS = MATRIX SPIKE, MD = MATRIX DUPLICATE

SDG NUMBER: 010CB

Client Sample #:	Lab Sample #:	Matrix	CN
GRDEB01701	702516	Water	X
GRDDB01701	702548	Water	X

EB = EQUIPMENT BLANK, DB = DEIONIZED BLANK

SDG NUMBER: 0075C

Client Sample #:	Lab Sample #:	Matrix	CN
044SB00101	689909	Soil	X
044SB00201	689915	Soil	X
044SB00301	690124	Soil	X
044SB00401	930130	Soil	X
044SB00402	690132	Soil	X
044SB00501	690134	Soil	X
044SB00601	690136	Soil	X
044SB00701	690138	Soil	X
044SB00801	690140	Soil	X

DATA REVIEWER(S): Amy L. Hogan, Marvin L. Smith

RELEASE SIGNATURE:

Data Qualifier Definitions:

J	-	The associated numerical value is an estimated quantity.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

CompuChem - 0006C Inorganics

SAMPLES: 513SB00101, 513SB00102, 513SB00201, 513SB00202, 513SB00202MS, 513SB00202MD, 513SB00301, 513SB00302, , 513SB00401, 513SB00402, 513SB00501, 513SB00502, 513SB00601, 520CB00302, 520SB00401, 520SB00402, 520SB00501, 520SB00502, 520SB00601, 520SB00602, GRDCB01301, GRDCB02302

CYANIDE

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) Calibration:

All Calibration criteria were met. No action was required.

III.) Blanks:

All Method Blank criteria were met. No action was required.

IV.) Laboratory Control Samples (LCS):

All Laboratory Control Sample criteria were met. No action was required.

V.) Duplicate Sample Analysis:

All Duplicate Sample criteria were met. No action was necessary.

VI.) Matrix Spike Recoveries:

The Percent Recovery (%R) for sample 513SB00202MS (71.7%) was below the 75-125% QC limits. The results for cyanide in all associated samples for this SDG, were flagged as estimated (UJ).

VII.) Field Duplicates:

The field duplicates for samples 520CB00302, GRDCB01301 and GRDCB02302 were not contained in this SDG. No action was required.

VIII.) Sample Result, Calculation/Transcription Verification:

All criteria were met, so no action was taken.

IX.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

CompuChem - 0007C Inorganics

SAMPLES: 044W001401, 044W001601, 044W001801, 044W001901, 044W001901MS, 044W001901MD, 044R001901, 044W002001, 044W002101, 044W02201

CYANIDE

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) Calibration:

All Calibration criteria were met. No action was required.

III.) Blanks:

All Method Blank criteria were met. No action was required.

IV.) Laboratory Control Samples (LCS):

All Laboratory Control Sample criteria were met. No action was required.

V.) Duplicate Sample Analysis:

All Duplicate Sample criteria were met. No action was necessary.

VI.) Matrix Spike Recoveries:

The Percent Recovery (%R) for sample 044W001901MS (28.8%) was below the 75-125% QC limits. Since the %R was below 30%, all results for the samples in this SDG, which consisted entirely of non-detects, were rejected (R).

VII.) Field Duplicates:

There was no calculable Relative Percent Difference (RPD) for field duplicate samples 044W001901 and 044R001901. No action was required.

VIII.) Sample Result, Calculation/Transcription Verification:

All criteria were met, so no action was taken.

IX.) Overall Assessment of Data/General:

All non-detect cyanide data were rejected due to a matrix spike recovery of less than 30%.

DATA QUALIFICATION SUMMARY

CompuChem - 0010C Inorganics

SAMPLES: 047SB00301, 047SB00302, 047SB00401, 047CB00401, 047SB00402, 047SB00801, 047SB00802, 047SB01101, 047SB01102, 047SB01201, 047SB01202, 047SB01301, 047SB01302, 047SB01501, 047SB01502, 513SB00202, 513SB00602, GRDSB00701, GRDSB01701, GRDSB03502, 047CB00401MS, 047CB00401MD

CYANIDE

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) Calibration:

All Calibration criteria were met. No action was required.

III.) Blanks:

All Method Blank criteria were met. No action was required.

IV.) Laboratory Control Samples (LCS):

All Laboratory Control Sample criteria were met. No action was required.

V.) Duplicate Sample Analysis:

All Duplicate Sample criteria were met. No action was necessary.

VI.) Matrix Spike Recoveries:

The Percent Recovery (%R) for sample 047CB00401MS (50.5%) was below the 75-125% QC limits. All results for the samples in this SDG, which consisted entirely of non-detects, were flagged as estimated (UJ).

VII.) Field Duplicates:

There was no calculable Relative Percent Difference (RPD) for field duplicate samples 047SB00401 and 047CB00401. No action was required.

VIII.) Sample Result, Calculation/Transcription Verification:

All criteria were met, so no action was taken.

IX.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

CompuChem - 010CB Inorganics

SAMPLES: GRDEB01701, GRDDB01701

CYANIDE

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) Calibration:

All Calibration criteria were met. No action was required.

III.) Blanks:

All Method Blank criteria were met. No action was required.

IV.) Laboratory Control Samples (LCS):

All Laboratory Control Sample criteria were met. No action was required.

V.) Duplicate Sample Analysis:

No duplicate sample analysis was performed for this SDG. No action was necessary.

VI.) Matrix Spike Recoveries:

No Matrix Spike analysis was requested for this SDG. No action was required.

VII.) Field Duplicates:

There were no field duplicate samples for this SDG. No action was required.

VIII.) Sample Result, Calculation/Transcription Verification:

All criteria were met, so no action was taken.

IX .) Overall Assessment of Data/General:

All laboratory data were acceptable without qualification.

DATA QUALIFICATION SUMMARY

CompuChem - 0075C Inorganics

SAMPLES: 044SB00101, 044SB00201, 044SB00301, 044SB00401, 044SB00402, 044SB00501, 044SB00601, 044SB00701, 044SB00801

CYANIDE

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) Calibration:

All Calibration criteria were met. No action was required.

III.) Blanks:

All Method Blank criteria were met. No action was required.

IV.) Laboratory Control Samples (LCS):

All Laboratory Control Sample criteria were met. No action was required.

V.) Duplicate Sample Analysis:

There was no Duplicate Sample analysis for this SDG. No action was necessary.

VI.) Matrix Spike Recoveries:

There was no Matrix Spike anlaysis for this SDG. No action was required.

VII.) Field Duplicates:

There were no field duplicate samples for this SDG. No action was required.

VIII.) Sample Result, Calculation/Transcription Verification:

All criteria were met, so no action was taken.

IX.) Overall Assessment of Data/General:

All laboratory data were acceptable without qualification.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422, Norcross, GA 30093

(770) 923-3890
(770) 923-8769 (Fax)

DATA VALIDATION SUMMARY REPORT

COMPANY:	Ensafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
PROJECT NUMBER:	8500.014
CONTRACTED LAB:	CompuChem Environmental Corp.
QA/QC LEVEL:	Level III
EPA SOW/METHOD:	EPA 1990 SOW
VALIDATION GUIDELINES:	*USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review,* 1994
SAMPLE MATRIX:	Water
TYPES OF ANALYSES:	Cyanide (CN)
SDG NUMBERS:	50017C

SAMPLES:

SDG NUMBER: 50017C

Client Sample #:	Lab Sample #:	Matrix	CN
GDCGW00101	730834	Water	X
GDCGW01D01	730842	Water	X
510GW00201	730843	Water	X
523GW00201	730844	Water	X
510GW00101	730845	Water	X
GDCGW02D01	731354	Water	X
047GW01001	731683	Water	X
047GW00701	731697	Water	X
047GW00301	731737	Water	X
047GW01301	731744	Water	X
047GW00101	731751	Water	X
047GW00201	731773	Water	X
047GW00501	731841	Water	X
047GW01501	732659	Water	X
047GW01201	732672	Water	X
047GW00801	732683	Water	X
047GW00901	732692	Water	X

Client Sample #:	Lab Sample #:	Matrix	CN
GDCDW00101	730839	Water	X
GDCEW00101	730840	Water	X
GDCFW00101	730841	Water	X
047GW00301MD	730837MD	Water	X
047GW00301MS	730836/730835MS	Water	X

E = EQUIPMENT BLANK, F = FIELD BLANKMS = MATRIX SPIKE, MD = MATRIX DUPLICATE

DATA REVIEWER(S): Kent F. Pan, Ph. D., Marvin L. Smith, Jean M. Delashmit

RELEASE SIGNATURE:

Data Qualifier Definitions

J	-	The association numerical value is an estimated quantity.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 50017C Inorganics

SAMPLES: GDCGW00101, GDCGW01D01, 510GW00201, 523GW00201, 510GW00101, GDCGW02D01, 047GW01001, 047GW00701, 047GW00301, 047GW01301, 047GW00101, 047GW00201, 047GW00501, 047GW01501, 047GW01201, 047GW00801, 047GW00901, GDCDW00101, GDCEW00101, GDCFW00101, 047GW00301MD, 047GW00301MS

CYANIDE

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) Calibration:

All Calibration criteria were met. No action was required.

III.) Blanks:

All Method Blank criteria were met. No action was required.

IV.) Laboratory Control Samples (LCS):

All Laboratory Control Sample criteria were met. No action was required.

V.) Duplicate Sample Analysis:

All Duplicate Sample criteria were met. No action was necessary.

VI.) Matrix Spike Recoveries:

The Percent Recovery (%R) for sample 047GW00301MS (0.0%) was excessively below the 75-125% QC limits. All results for cyanide in all associated samples for this SDG, which consisted entirely of non-detects, were rejected (R).

VII.) Field Duplicates:

There were no field duplicate sample pairs associated with this SDG. No action was required.

VIII.) Sample Result Calculation/Transcription Verification:

All criteria were met, so no action was taken.

IX.) Overall Assessment of Data/General:

All non-detect cyanide data were rejected due to the excessively low (0%) matrix spike recovery.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422, Norcross, GA 30093

(770) 923-3890
(770) 923-8769 (Fax)

DATA VALIDATION SUMMARY REPORT

COMPANY:	Ensafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
PROJECT NUMBER:	8500.014
CASE NUMBER:	30215
CONTRACTED LAB:	CompuChem Environmental Corp.
QA/QC LEVEL:	Level III
EPA SOW/METHOD:	EPA 1990 SOW
VALIDATION GUIDELINES:	*USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review,* 1994
SAMPLE MATRICES:	Soil and Water
TYPE OF ANALYSIS:	Total Petroleum Hydrocarbons (TPH)

SDG NUMBERS: 30215.3G, 30215.4G, 30215.4GB

SAMPLES:

SDG NUMBER: 30215.3G

Client Sample #:	Lab Sample #:	Matrix	TPH-IR
511SB00301	692222	Soil	X
511SB00602	693238	Soil	X
511SB00501	692253	Soil	X
047SB00501	697013	Soil	X
047SB00502	697019	Soil	X
047SB00601	697025	Soil	X
511SB00301MS	692223MS	Soil	X
511SB00301MSD	692224MSD	Soil	X

MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

SDG NUMBER: 30215.4G

Client Sample #:	Lab Sample #:	Matrix	TPH-IR
047SB00101	697968	Soil	X
047SB00102	697980	Soil	X
047SB00201	697986	Soil	X
523SB00202	697992	Soil	X
523SB00101	697998	Soil	X
523SB00201	698004	Soil	X
523SB00102	698010	Soil	X
523CB00202	698016	Soil	X
047SB00101MS	697969MS	Soil	X
047SB00101MSD	697970MSD	Soil	X

MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

SDG NUMBER: 30215.4GB

Client Sample #:	Lab Sample #:	Matrix	TPH-IR
523EB00202	697936	Water	X
523DB00202	697899	Water	X

E = EQUIPMENT BLANK, D = DEIONIZED WATER BLANK

DATA REVIEWER(S): Kent F. Pan, Ph. D., Marvin L. Smith, Jean M. Delashmit

RELEASE SIGNATURE:

Data Qualifier Definitions

J	-	The association numerical value is an estimated quantity.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 30215.3G Petroleum Hydrocarbons, IR method

SAMPLES: 511SB00301, 511SB00602, 511SB00501, 047SB00501, 047SB00502, 047SB00601, 511SB00301MS, 511SB00301MSD

TOTAL PETROLEUM HYDROCARBONS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) Calibration:

All Calibration criteria were met. No action was necessary.

III.) Blanks:

Method Blanks:

There were no positive detections in the method blanks, so data qualification was not necessary.

IV.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met. No action was required.

V.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

All MS / MSD criteria were met. No action was taken.

VI.) TCL Compound Identification:

All Compound Identification criteria were met. No action was required.

VII.) Field Duplicates:

There were no field duplicates associated with this SDG. No action was taken.

VIII.) Overall Assessment of Data/General:

All laboratory data were acceptable without qualification.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 30215.4G Petroleum Hydrocarbons, IR method

SAMPLES: 047SB00101, 047SB00102, 047SB00201, 523SB00202, 523SB00101, 523SB00201, 523SB00102, 523CB00202, 047SB00101MS, 047SB00101MSD

TOTAL PETROLEUM HYDROCARBONS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) Calibration:

All Calibration criteria were met. No action was necessary.

III.) Blanks:

Method Blanks:

There were no positive detections in the method blanks, so data qualification was not necessary.

IV.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met. No action was required.

V.) Matrix Spike/Matrix Spike Duplicate (MS / MSD):

The MS / MSD Percent Recoveries (%R's) and the Relative Percent Difference (RPD) exceeded the QC limits for spiked samples 047SB00101MS and 047SB00101MSD:

Compound	MS%	MSD%	RPD
047SB00101	610	2150	112

The result for sample 047SB00101, which was a positive result, was flagged as estimated (J).

VI.) TCL Compound Identification:

All Compound Identification criteria were met. No action was required.

VII.) Field Duplicates:

The Relative Percent Difference (RPD) for field duplicate samples 523SB00202 and 523CB00202 was 9.1%, which was within the 60% QC limit for soil field duplicates. No action was required.

VIII.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 30215.4GB Petroleum Hydrocarbons, IR method

SAMPLES: 523EB00202, 523DB00202

TOTAL PETROLEUM HYDROCARBONS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) Calibration:

All Calibration criteria were met. No action was necessary.

III.) Blanks:

Method Blanks:

There were no positive detections in the method blanks. No data qualification was necessary.

Field Blanks:

There were no positive detections in the field blanks. No data qualification was necessary.

IV.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met. No action was required.

V.) Matrix Spike/Matrix Spike Duplicate (MS / MSD):

Blank Spike and Blank Spike Duplicate analyses were run in lieu of MS / MSD.

All BS / BSD criteria were met. No action was necessary.

VI.) TCL Compound Identification:

All Compound Identification criteria were met. No action was required.

VII.) Field Duplicates:

There were no field duplicates in this SDG. No action was taken.

VIII.) Overall Assessment of Data/General:

All laboratory data were acceptable without qualification.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422, Norcross, Ga. 30093

DATA VALIDATION SUMMARY REPORT

COMPANY:	Ensafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
PROJECT NUMBER:	8500.014
CONTRACTED LAB:	CompuChem Environmental Co.
QA/QC LEVEL:	Level III
EPA SOW/METHOD:	EPA 1990 SOW
VALIDATION GUIDELINES:	*National Functional Guidelines for Organic Data Review,* 1994; *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review,*1994
SAMPLE MATRICES:	Soil and Water
TYPES OF ANALYSES:	Herbicides (HERB)
SDG NUMBERS:	0001H, 004HB, 0005H, 0006H, 010HB, 0010H

SAMPLES:

SDG NUMBER: 0001H

Client Sample #:	Lab Sample #:	Matrix	HERB
044CB00701	690185	Soil	X
508CB00601	692243	Soil	X
510CB00502	690173	Soil	X
511CB00502	692109	Soil	X
512CB00301	690552	Soil	X
512CB00301MS	690174MS	Soil	X
512CB00301MSD	690175MSD	Soil	X

C = FIELD DUPLICATE, MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

SDG NUMBER: 004HB

Client Sample #:	Lab Sample #:	Matrix	HERB
523EB00202	697933	Water	X
523DB00202	697888	Water	X

EB = EQUIPMENT BLANK, DB = DEIONIZED BLANK

SDG NUMBER: 0005H

Client Sample #:	Lab Sample #:	Matrix	HERB
518CB00401	699036	Soil	X
518CB00401MS	699037MS	Soil	X
518CB00401MSD	699038MSD	Soil	X

MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

SDG NUMBER: 0006H

Client Sample #:	Lab Sample #:	Matrix	HERB
520CB00302	701025	Soil	X
520CB00302MS	701026MS	Soil	X
520CB00302MSD	701027MSD	Soil	X
GRDCB01301	702013	Soil	X
GRDCB02302	701995	Soil	X

C = FIELD DUPLICATE, MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

SDG NUMBER: 010HB

Client Sample #:	Lab Sample #:	Matrix	HERB
GRDEB01701	702496	Water	X
GRDDB01701	702541	Water	X

EB = EQUIPMENT BLANK, DB = DEIONIZED BLANK

SDG NUMBER: 0010H

Client Sample #:	Lab Sample #:	Matrix	HERB
047CB00401	703370	Soil	X
513CB00202	702414	Soil	X

Client Sample #:	Lab Sample #:	Matrix	HERB
513CB00202MS	702415MS	Soil	X
513CB00202MSD	702416MSD	Soil	X
GRDCB01701	702589	Soil	X
GRDCB03502	702428	Soil	X

C = FIELD DUPLICATE, MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

DATA REVIEWER(S): Amy L. Hogan, Marvin L. Smith

RELEASE SIGNATURE:

Data Qualifier Definitions:

J	-	The associated numerical value is an estimated quantity.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

CompuChem - 0001H Organics

SAMPLES: 044CB00701, 508CB00601, 510CB00502, 511CB00502, 512CB00301, 513CB00301MS, 513CB00301MSD

HERBICIDES

I.) Holding Times:

All samples were extracted and analyzed within the required holding times. No action was required.

II.) Instrument Performance:

All Instrument Performance criteria were met. No action was necessary.

III.) Calibration:

All Calibration criteria were met, so no action was taken.

IV.) Blanks:

Method Blanks:

2,4,5-TP and 2,4,5-T were detected at 7.6 ug/kg and 0.28 ug/kg, respectively, in soil blank HBLK80. All positive results for these compounds in associated samples 510CB00502, 044CB00701 and 512CB00301 less than 5X the blank amounts were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample.

2,4,5-TP was detected at 0.99 ug/kg in soil blank HBLK63. There were no positive results for this compound in associated samples 511CB00502 and 508CB00601, so no action was required.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No action was required.

VI.) Matrix Spike/Matrix Spike Duplicate (MS / MSD):

All MS / MSD criteria were met. No action was required.

VII.) TCL Compound Identification:

The Column Percent Differences (%D's) were not evaluated because the reported analytical results were below the IDL.

VIII.) Field Duplicates:

The field duplicates for samples 044CB00701, 058CB00601, 510CB00502, 511CB00502 and 512CB00301 were not contained in this SDG. No action was necessary.

IX.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

CompuChem - 004HB Organics

SAMPLES: 523EB00202, 523DB00202

HERBICIDES

I.) Holding Times:

All samples were extracted and analyzed within required holding times. No action was required.

II.) Instrument Performance:

All Instrument Performance criteria were met. No action was necessary.

III.) Calibration:

All Calibration criteria were met, so no action was taken.

IV.) Blanks:

Method Blanks:

2,4,5-T was detected at 0.013 ug/L in water method blank HBLK39. Since all associated samples were field blanks, no action was necessary.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No action was required.

VI.) Matrix Spike/Matrix Spike Duplicate (MS / MSD):

There were no MS / MSD's associated with this SDG. No action was required.

VII.) TCL Compound Identification:

The Column %D for 2,4,5-T (113%) exceeded the 70% QC limit for sample 523DB00202. Since this sample was a blank, no action was taken.

VIII.) Field Duplicates:

There were no field duplicate samples associated with this SDG. No action was required.

IX.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

CompuChem - 0005H Organics

SAMPLES: 518CB00401, 518CB00401MS, 518CB00401MSD

HERBICIDES

I.) Holding Times:

All samples were extracted and analyzed within the required holding times. No action was required.

II.) Instrument Performance:

All Instrument Performance criteria were met. No action was necessary.

III.) Calibration:

All Calibration criteria were met, so no action was taken.

IV.) Blanks:

Method Blanks:

2,4,5-TP and 2,4,5-T were detected at 6.7 ug/kg and 15 ug/kg, respectively, in soil blank HBLK79. All positive results for these compounds in associated sample 518CB00401 less than 5X the blank amounts were flagged as undetected (U) with the laboratory results for the compounds being replaced by the detection limit.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No action was required.

VI.) Matrix Spike/Matrix Spike Duplicate (MS / MSD):

The Percent Recoveries (%R's) and Relative Percent Differences (RPD's) for the following compounds exceeded the 50-135% and 20% QC limits, respectively, for spiked soil samples 518CB00401MS and 518CB00401MSD:

Compound	MS %R	MSD %R	RPD
2,4-D	185		34
2,4,5-TP		157	72
2,4,5-T	7	64	249
dinoseb	0	0	

The non-detect results for 2,4-D and 2,4,5-TP in associated sample 518CB00401 were flagged as estimated (UJ). The positive result for dinoseb was flagged as estimated (J) and the non-detect result for 2,4,5-T was rejected (R).

VII.) TCL Compound Identification:

The Column Percent Differences (%D's) for 2,4,5-TP (999%), 2,4,5-T (697%) and dinoseb (75%) exceeded the 70% QC limit for sample 518CB00401. The result for dinoseb was previously flagged as estimated (J). The results for 2,4,5-TP and 2,4,5-T were non-detects. No further action was required.

VIII.) Field Duplicates:

The field duplicate for samples 518CB00401 was not contained in this SDG. No action was necessary.

IX.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

CompuChem - 0006H Organics

SAMPLES: 520CB00302, 520CB00302MS, 520CB00302MSD, GRDCB01301, GRDCB02302

HERBICIDES

I.) Holding Times:

All samples were extracted and analyzed within the required holding times. No action was required.

II.) Instrument Performance:

All Instrument Performance criteria were met. No action was necessary.

III.) Calibration:

All Calibration criteria were met, so no action was taken.

IV.) Blanks:

Method Blanks:

2,4-D, 2,4,5-TP and 2,4,5-T were detected at 11 ug/kg, 1.9 ug/kg and 1.3 ug/kg, respectively, in soil blank HBLK87. All positive results for these compounds in associated samples GRDCB01301 and GRDCB02302 less than 5X the blank amounts were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample.

Dinoseb was detected at 1.0 ug/kg in soil blank HBLK97. There were no positive results for this compound in the associated samples. No action was required.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No action was required.

VI.) Matrix Spike/Matrix Spike Duplicate (MS / MSD):

All MS / MSD criteria were met. No action was required.

VII.) TCL Compound Identification:

The Column Percent Differences (%D's) were not evaluated because the reported analytical results were below the IDL.

VIII.) Field Duplicates:

The field duplicates for samples 520CB00302, GRDCB01301 and GRDCB02302 were not contained in this SDG. No action was necessary.

IX.) Overall Assessment of Data/General:

2,4-D was rejected in samples GRDCB02302 and 520CB00302 due to high (>300%) PIS %D's. All remaining laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

CompuChem - 010HB Organics

SAMPLES: GRDEB01701, GRDDB01701

HERBICIDES

I.) Holding Times:

All samples were extracted and analyzed within the required holding times. No action was required.

II.) Instrument Performance:

All Instrument Performance criteria were met. No action was necessary.

III.) Calibration:

All Calibration criteria were met, so no action was taken.

IV.) Blanks:

All Method Blank criteria were met. No action was required.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No action was required.

VI.) Matrix Spike/Matrix Spike Duplicate (MS / MSD):

There were no MS / MSD's associated with this SDG. No action was required.

VII.) TCL Compound Identification:

All TCL Compound Identification criteria were met. No action was necessary.

VIII.) Field Duplicates:

There were no field duplicate samples for this SDG. No action was necessary.

IX.) Overall Assessment of Data/General:

All laboratory data were acceptable without qualification.

DATA QUALIFICATION SUMMARY

CompuChem - 0010H Organics

SAMPLES: 047CB00401, 513CB00202, 513CB00202MS, 513CB00202MSD, GRDCB01701, GRDCB03502

HERBICIDES

I.) Holding Times:

All samples were extracted and analyzed within the required holding times. No action was required.

II.) Instrument Performance:

All Instrument Performance criteria were met. No action was necessary.

III.) Calibration:

All Calibration criteria were met, so no action was taken.

IV.) Blanks:

Method Blanks:

2,4-D, 2,4,5-TP and 2,4,5-T were detected at 10 ug/kg, 1.7 ug/kg and 1.6 ug/kg, respectively, in soil blank HBLK88. All positive results for these compounds in associated samples 047CB00401, 513CB00202, GRDCB01701 and GRDCB03502 less than 5X the blank amounts were flagged as undetected (U) with the laboratory results below CRQL being replaced with the CRQL.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No action was required.

VI.) Matrix Spike/Matrix Spike Duplicate (MS / MSD):

All MS / MSD criteria were met. No action was required.

VII.) TCL Compound Identification:

The Column Percent Differences (%D's) were not evaluated because the reported analytical results were below the IDL.

VIII.) Field Duplicates:

The field duplicates for samples 047CB00401, 513CB00202, GRDCB01701 and GRDCB03502 were not contained in this SDG. No action was necessary.

IX.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422, Norcross, GA 30093

(770) 923-3890
(770) 923-8769 (Fax)

DATA VALIDATION SUMMARY REPORT

COMPANY:	Ensafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
PROJECT NUMBER:	8500.014
CASE NUMBER:	30215
CONTRACTED LAB:	CompuChem Environmental Corp.
QA/QC LEVEL:	Level III
EPA SOW/METHOD:	EPA 1990 SOW
VALIDATION GUIDELINES:	*USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review,* 1994
SAMPLE MATRICES:	Soil and Water
TYPES OF ANALYSES:	Total Petroleum Hydrocarbons (TPH-GC)
SDG NUMBERS:	0017E, 0018E, 0019E

SAMPLES:

SDG NUMBER: 0017E

Client Sample #:	Lab Sample #:	Matrix	TPH-GC
047GW00101	731758	Water	X
047GW00201	731777	Water	X
047GW00301	731738	Water	X
047GW00501	731844	Water	X
047GW00701	731702	Water	X
047GW00801	732684	Water	X
047GW00901	732696	Water	X
047GW01001	731685	Water	X
047GW01201	732686	Water	X
047GW01301	731745	Water	X
047GW01501	732660	Water	X
047GW00301MS	731686MS	Water	X
047GW00301MSD	731687MSD	Water	X

MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

SDG NUMBER: 0018E

Client Sample #:	Lab Sample #:	Matrix	TPH-GC
047HW00501	731890	Water	X
523HW00101	732780	Water	X

SDG NUMBER: 0019E

Client Sample #:	Lab Sample #:	Matrix	TPH-GC
047GW00401	733212	Water	X
047GW00601	732746	Water	X
047GW01101	732723	Water	X
523GW00101	732770	Water	X

DATA REVIEWER(S): Kent F. Pan, Ph. D., Marvin L. Smith, Jean M. Delashmit

RELEASE SIGNATURE:

Data Qualifier Definitions

J	-	The association numerical value is an estimated quantity.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 0017E Petroleum Hydrocarbons, GC method

SAMPLES: 047GW00101, 047GW00201, 047GW00301, 047GW00501, 047GW00701, 047GW00801, 047GW00901, 047GW01001, 047GW01201, 047GW01301, 047GW01501, 047GW00301MS, 047GW00301MSD

TOTAL PETROLEUM HYDROCARBONS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) Calibration:

All Calibration criteria were met. No action was necessary.

III.) Blanks:

Method Blanks:

TPH was detected at 0.058 ug/L in the water method blank PBLK45. Since there were no positive detections in associated samples 047GW00801, 047GW00901, 047GW01201 and 047GW01501, no action was necessary.

IV.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met. No action was required.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No action was taken.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

All MS / MSD criteria were met. No action was necessary.

VII.) TCL Compound Identification:

All Compound Identification criteria were met. No action was required.

VIII.) Field Duplicates:

There were no field duplicates associated with this SDG. No action was taken.

IX.) Overall Assessment of Data/General:

All laboratory data were acceptable without qualification.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 0018E Petroleum Hydrocarbons, GC method

SAMPLES: 047HW00501, 523HW00101

TOTAL PETROLEUM HYDROCARBONS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) Calibration:

All Calibration criteria were met. No action was necessary.

III.) Blanks:

There were no positive detections in the method blanks. No data qualification was necessary.

IV.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met. No action was required.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No action was taken.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

No MS / MSD analyses were performed in this SDG. No action was required.

VII.) TCL Compound Identification:

All Compound Identification criteria were met. No action was required.

VIII.) Field Duplicates:

There were no field duplicates associated with this SDG. No action was taken.

IX.) Overall Assessment of Data/General:

All laboratory data were acceptable without qualification.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 0019E Petroleum Hydrocarbons, GC method

SAMPLES: 047GW00401, 047GW00601, 047GW01101, 523GW00101

TOTAL PETROLEUM HYDROCARBONS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) Calibration:

All Calibration criteria were met. No action was necessary.

III.) Blanks:

There were no positive detections in the method blanks. No data qualification was necessary.

IV.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met. No action was required.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No action was taken.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

No MS / MSD analyses were performed in this SDG. No action was required.

VII.) TCL Compound Identification:

All Compound Identification criteria were met. No action was required.

VIII.) Field Duplicates:

There were no field duplicates associated with this SDG. No action was taken.

IX.) Overall Assessment of Data/General:

All laboratory data were acceptable without qualification.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422, Norcross, GA 30093

(770) 923-3890
(770) 923-8769 (Fax)

DATA VALIDATION SUMMARY REPORT

COMPANY:	EnSafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
CASE NUMBER:	30215
PROJECT NUMBER:	8500.14
CONTRACTED LAB:	CompuChem Environmental Corporation
QA/QC LEVEL:	Level III
EPA SOW/METHOD:	EPA 1990 SOW
VALIDATION GUIDELINES:	*USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review,* 1994
SAMPLE MATRIX:	Water
TYPES OF ANALYSES:	Chloride, Sulfate, Total Dissolved Solids (TDS), Total Petroleum Hydrocarbons - Diesel Range (TPH-DRO), Total Petroleum Hydrocarbons - Gasoline Range (TPH-GRO)
SDG NUMBER:	30215.17J

SAMPLES:

Client Sample No:	Lab Number:	Matrix	Chloride	Sulfate	TDS
GDCGW00101	730846	Water	X	X	X
GDCGW01D01	730867	Water	X	X	X
GDCGW02D01	731356	Water	X	X	X
GDCDW00101	730856	Water	X	X	X
GDCEW00101	730858	Water	X	X	X
GDCFW00101	730865	Water	X	X	X
GDCGW00101MS	730847MS	Water		X	
GDCGW00101MSD	730848MSD	Water		X	
GDCGW00101MS	730850MS	Water	X		
GDCGW00101MSD	730851MSD	Water	X		
GDCGW00101MD	730853MD	Water			X
GDCGW00101MS	730854MS	Water			X

D = DEIONIZED WATER BLANK, E = EQUIPMENT BLANK, F = FIELD BLANK,
MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE, MD = MATRIX DUPLICATE

Client Sample #:	Lab Sample #:	Matrix	TPH-DRO	TPH-GRO
523GW00201	730869	Water	X	X
523GW00201MS	730874	Water		X
523GW00201MSD	730875	Water		X

DATA REVIEWER(S): Marvin L. Smith, Jean M. Delashmit

RELEASE SIGNATURE:

Data Qualifier Definitions

J	-	The association numerical value is an estimated quantity.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 30215.17J Chloride, Sulfate, Total Dissovled Solids

SAMPLES: GDCGW00101, GDCGW01D01, GDCGW02D01. GDCDW00101, GDCEW00101, GDCFW00101, GDCGW00101MS, GDCGW00101MSD, GDCGW00101MD

CHLORIDE

I.) Holding Times:

All Holding Time criteria were met, so no action was taken.

II.) Calibration:

All Calibration criteria were met, so no action was necessary.

III.) Blanks:

Method Blanks:

There was no positive detections in the method blanks, so no action was taken.

Field Blanks:

There were no positive detections in the field blanks, so no action was required.

IV.) Laboratory Control Samples (LCS):

All Blank Spike Percent Recovery criteria were met, so no action was taken.

V.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

All MS / MSD Recovery criteria were met. Data qualification was not required.

VI.) Field Duplicates:

There were no field duplicates associated with this SDG. No action was taken.

VII.) Sample Result Calculation/Transcription Verification:

All criteria were met, so no action was taken.

VIII.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification. The data package cover letter identified these samples as Zone I. The Chain of Custody indicated Zone C sampling. The error was corrected in this narrative to match the Chain of Custody.

SULFATE

I.) Holding Times:

All Holding Time criteria were met, so no action was taken.

II.) Calibration:

All Calibration criteria were met, so no action was necessary.

III.) Blanks:

Method Blanks:

There were no positive detections in the method blanks, so no action was taken.

Field Blanks:

There were no positive detections in the field blanks, so no action was required.

IV.) Laboratory Control Samples (LCS):

All Blank Spike Percent Recovery criteria were met, so no action was taken.

V.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

All MS / MSD Recovery criteria were met. Data qualification was not required.

VI.) Field Duplicates:

There were no field duplicates associated with this SDG. No action was taken.

VII.) Sample Result Calculation/Transcription Verification:

All criteria were met, so no action was taken.

VIII.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification. The data package cover letter identified these samples as Zone I. The Chain of Custody indicated Zone C sampling. The error was corrected in this narrative to match the Chain of Custody.

TOTAL DISSOLVED SOLIDS

I.) Holding Times:

All Holding Time criteria were met, so no action was taken.

II.) Calibration:

All Calibration criteria were met, so no action was necessary.

III.) Blanks:

Method Blanks:

There were no positive detections in the method blanks, so no action was taken.

Field Blanks:

Total Dissolved Solids were detected at 17 mg/L in field blank GDCFW00101. Since all positive detections in the associated samples exceeded 5X this amount, no action was required.

Equipment Blanks:

Total Dissolved Solids were detected at 26 mg/L in equipment blank GDCEW00101. Since all positive detections in the associated samples exceeded 5X this amount, no action was taken.

Deionized Water Blanks:

Total Dissolved Solids were detected at 18 mg/L in deionized water blank GDCDW00101. Since all positive detections in the associated samples exceeded 5X this amount, no action was required.

IV.) Laboratory Control Samples (LCS):

All Blank Spike Percent Recovery criteria were met, so no action was taken.

V.) Duplicate Sample Analysis:

All Duplicate Sample RPD criteria were met, so no action was taken.

VI.) Matrix Spike Recoveries:

All Percent Recovery criteria were met, so no action was necessary.

VII.) Field Duplicates:

There were no field duplicates associated with this SDG. No action was taken.

VIII.) Sample Result Calculation/Transcription Verification:

All criteria were met, so no action was taken.

IX.) Overall Assessment of Data/General:

All laboratory data were acceptable without qualification. The data package cover letter identified these samples as Zone I. The Chain of Custody indicated Zone C sampling. The error was corrected in this narrative to match the Chain of Custody.

TOTAL PETROLEUM HYDROCARBONS - DIESEL RANGE ORGANICS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) Calibration:

All Calibration criteria were met. No action was necessary.

III.) Blanks:

Method Blanks:

There were no positive detections in the method blanks. No data qualification was necessary.

IV.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met. No action was required.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No action was taken.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

Blank Spike and Blank Spike Duplicate analyses were performed instead of MS / MSD analyses. The Relative Percent Difference (RPD) of TPH was 35%, which exceeded the 20% QC limit. No action was required.

VII.) TCL Compound Identification:

All Compound Identification criteria were met. No action was required.

VIII.) Field Duplicates:

There were no field duplicates associated with this SDG. No action was taken.

IX.) Overall Assessment of Data/General:

All laboratory data were acceptable without qualification.

TOTAL PETROLEUM HYDROCARBONS - GASOLINE RANGE ORGANICS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) Calibration:

All Calibration criteria were met. No action was necessary.

III.) Blanks:

Method Blanks:

There were no positive detections in the method blanks. No data qualification was necessary.

IV.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met. No action was required.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No action was taken.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

All MS / MSD criteria were met. No action was required.

VII.) TCL Compound Identification:

All Compound Identification criteria were met. No action was required.

VIII.) Field Duplicates:

There were no field duplicates associated with this SDG. No action was taken.

IX.) Overall Assessment of Data/General:

All laboratory data were acceptable without qualification.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422, Norcross, GA 30093

(770) 923-3890
(770) 923-8769 (Fax)

DATA VALIDATION SUMMARY REPORT

COMPANY:	Ensafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
PROJECT NUMBER:	8500.014
CASE NUMBER:	30215
CONTRACTED LAB:	CompuChem Environmental Corp.
QA/QC LEVEL:	Level III
EPA SOW/METHOD:	EPA 1990 SOW
VALIDATION GUIDELINES:	*USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review,* 1994
SAMPLE MATRIX:	Soil
TYPES OF ANALYSES:	Total Petroleum Hydrocarbons (TPH-IR)
SDG NUMBERS:	30215.12G, 30215.15G

SAMPLES:

SDG NUMBER: 30215.12G

Client Sample #:	Lab Sample #:	Matrix	TPH-IR
047SB00902	703480	Soil	X
047SB01001	703489	Soil	X
047SB01101	703495	Soil	X
047SB01102	703501	Soil	X
GRDSB00401	703507	Soil	X
GRDSB00402	703513	Soil	X
515SB00601	704201	Soil	X
515SB00602	704207	Soil	X
515SB00101	704236	Soil	X
515SB00102	704246	Soil	X
515SB00202	704286	Soil	X
515SB00301	704298	Soil	X
515SB00302	704328	Soil	X
515SB00401	704357	Soil	X
515SB00402	704377	Soil	X
515SB00501	704383	Soil	X

Client Sample #:	Lab Sample #:	Matrix	TPH-IR
515SB00502	704389	Soil	X
047SB00902MS	703481MS	Soil	X
047SB00902MSD	703482MSD	Soil	X

MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

SDG NUMBER: 30215.15G

Client Sample #:	Lab Sample #:	Matrix	TPH-IR
515SB00201	706267	Soil	X
515SB00101	706642	Soil	X
519SB00102	706671	Soil	X
519SB00201	706677	Soil	X
519SB00202	706683	Soil	X
519SB00301	706693	Soil	X
519SB00302	706699	Soil	X
519SB00401	706705	Soil	X
519SB00402	706712	Soil	X
519SB00501	706718	Soil	X
519SB00502	706725	Soil	X
519SB00601	706734	Soil	X
519SB00602	706740	Soil	X
515SB00201MS	706268	Soil	X
515SB00201MSD	706269	Soil	X

MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

DATA REVIEWER(S): Kent F. Pan, Ph. D., Marvin L. Smith, Jean M. Delashmit

RELEASE SIGNATURE:

Data Qualifier Definitions

J	-	The association numerical value is an estimated quantity.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 30215.12G Petroleum Hydrocarbons, IR method

SAMPLES: 047SB00902, 047SB01001, 047SB01101, 047SB01102, GRDSB00401, GRDSB00402, 515SB00601, 515SB00602, 515SB00101, 515SB00102, 515SB00202, 515SB00301, 515SB00302, 515SB00401, 515SB00402, 515SB00501, 515SB00502, 047SB00902MS, 047SB00902MSD

TOTAL PETROLEUM HYDROCARBONS

I.) Holding Times:

All samples were extracted and analyzed within the required holding times. No action was required.

II.) Calibration:

All Calibration criteria were met. No action was necessary.

III.) Blanks:

Method Blanks:

There were no positive detections in the method blanks, so data qualification was not necessary.

Field Blanks:

There were no positive detections in associated field blanks 523DB00202 and 523EB00202, which were analyzed in SDG 30215.4GB. No action was required.

IV.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met. No action was required.

V.) Matrix Spike/Matrix Spike Duplicate (MS / MSD):

The Percent Recoveries (%R's) of TPH in 047SB00902MS (37.8%) and 047SB00902MSD (10.3%) were below the 75-125% QC limits. All sample results for TPH, which consisted entirely of positive detections, were flagged as estimated (J).

VI.) TCL Compound Identification:

All Compound Identification criteria were met. No action was required.

VII.) Field Duplicates:

There were no field duplicates associated with this SDG. No action was taken.

VIII.) Overall Assessment of Data/General:

All data were acceptable with qualification. The last digits of Lab Sample ID's were missing from the spreadsheet. This was corrected during data validation.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 30215.15G Petroleum Hydrocarbons, IR method

SAMPLES: 515SB00201, 515SB00101, 519SB00102, 519SB00201, 519SB00202, 519SB00301, 519SB00302, 519SB00401, 519SB00402, 519SB00501, 519SB00502, 519SB00601, 519SB00602, 515SB00201MS, 515SB00201MSD

TOTAL PETROLEUM HYDROCARBONS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) Calibration:

All Calibration criteria were met. No action was necessary.

III.) Blanks:

Method Blanks:

There were no positive detections in the method blanks. No data qualification was necessary.

IV.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met. No action was required.

V.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

All MS / MSD criteria were met. No action was necessary.

VI.) TCL Compound Identification:

All Compound Identification criteria were met. No action was required.

VII.) Field Duplicates:

There were no field duplicates in this SDG. No action was taken.

VIII.) Overall Assessment of Data/General:

All laboratory data were acceptable without qualification. The last digits of Lab Sample ID's were missing. This was corrected during data validation.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422, Norcross, GA 30093

(770) 923-3890
(770) 923-8769 (Fax)

DATA VALIDATION SUMMARY REPORT

COMPANY:	Ensafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
PROJECT NUMBER:	8500.014
CASE NUMBER	30057
CONTRACTED LAB:	CompuChem Environmental Corp.
QA/QC LEVEL:	Level III
EPA SOW/METHOD:	EPA 1990 SOW / TCLP Method 1311
VALIDATION GUIDELINES:	*USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review,* 1994
SAMPLE MATRIX:	Water
TYPES OF ANALYSIS:	GC Purgeable Hydrocarbons as Gasoline (PHC)
SDG NUMBERS:	0017F, 0018F

SAMPLES:

SDG NUMBER 0017F

Client Sample No:	Lab Number:	Matrix	PHC
047GW00101	748099	Water	X
074GW00201	748091	Water	X
047HW00201	748092	Water	X
047GW00301	746658	Water	X
047GW00501	748652	Water	X
047GW00701	748093	Water	X
047GW00801	748098	Water	X
047GW00901	748097	Water	X
047GW01001	748095	Water	X
047GW01201	746657	Water	X
047GW01301	748096	Water	X
047GW01501	746656	Water	X
047GW00301MS	746658MS	Water	X
047GW00301MSD	746658MSD	Water	X

HW = FIELD DUPLICATE, MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

SDG NUMBER 0018F

Client Sample No:	Lab Number:	Matrix	PHC
047GW00401	746659	Water	X
047GW00601	748100	Water	X
047GW01101	746663	Water	X
523GW00101	746664	Water	X
04TBW00301	746665	Water	X
047TW00601	748090	Water	X
047GW00401MS	746660MS	Water	X
047GW00401MSD	746661MSD	Water	X

MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE, TBW TW = TRIP BLANKS

DATA REVIEWER(S): Marvin L. Smith, Jean M. Delashmit

RELEASE SIGNATURE:

Data Qualifier Definitions

J	-	The association numerical value is an estimated quantity.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 0017F GC Purgeable Hydrocarbons as Gasoline

SAMPLES: 047GW00101, 047GW00201, 047HW00201, 047GW00301, 047GW00501, 047GW00701, 047GW00801, 047GW00901, 047GW01001, 047GW01201, 047GW01301, 047GW01501, 047GW00301MS, 047GW00301MSD

GC PURGEABLE HYDROCARBONS AS GASOLINE (PHC)

I.) Holding Times:

All Holding Time criteria were met, so no action was required.

II.) Instrument Performance:

All Instrument Performance criteria were met. No action was necessary.

III.) Calibration:

All Calibration criteria were met. No action was taken.

IV.) Blanks:

Method Blanks:

PHC was detected in method blanks VTIBL1P, VTIBL1S and VTIBL1U at 0.48 ug/L, 0.60 ug/L and 0.55 ug/L, respectively. Since all detections in the associated samples exceeded 5X these amounts, no action was taken.

Trip Blanks:

PHC was detected at 0.15 mg/L in trip blank 047TW00601, which was analyzed in SDG 0018P, but associated with all samples in this SDG. All positive detections of PHC less than 5X the blank amount were flagged as undetected (U) with the detection limit being raised to the amount of contamination in each sample.

PHC was detected at 0.10 mg/L in trip blank 04TBW00301, which was analyzed in SDG 0018P. All samples in this SDG (0017F) were previously qualified using trip blank 047TW00601. No further action was necessary.

V.) Surrogate Recoveries:

The Percent Recovery (%R) of surrogate 1,4-dichlorobutane was 51% in sample 047HW00201, which was below the 60-130% QC limits. The result for PHC in this sample was determined to be blank contamination and was flagged as estimated (UJ).

VI.) Laboratory Control Sample (BS):

All Blank Spike Recovery crtieria were met. No action was taken.

VII.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

All MS / MSD Recovery criteria were met. Data qualification was not required.

VIII.) TCL Compound Identification:

All criteria were met. No action was necessary.

IX.) Field Duplicates:

There was no calculable RPD for the pair of field duplicate samples associated with this SDG. No action was required.

X.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 0018F GC Purgeable Hydrocarbons as Gasoline

SAMPLES: 047GW00401, 047GW00601, 047GW01101, 523GW00101, 04TBW00301, 047TW00601, 047GW00401MS, 047GW00401MSD

GC PURGEABLE HYDROCARBONS AS GASOLINE (PHC)

I.) Holding Times:

All Holding Time criteria were met, so no action was required.

II.) Instrument Performance:

All Instrument Performance criteria were met. No action was necessary.

III.) Calibration:

All Calibration criteria were met. No action was taken.

IV.) Blanks:

Method Blanks:

PHC was detected in method blanks VTIBL1P, VTIBL1S and VTIBL1U at 0.48 ug/L, 0.60 ug/L and 0.55 ug/L, respectively. Since all detections in the associated samples exceeded 5X these amounts, no action was taken.

Trip Blanks:

PHC was detected at 0.15 mg/L in trip blank 047TW00601. All positive detections of PHC less than 5X the blank amount were flagged as undetected (U) with the detection limit being raised to the amount of contmaination in each sample.

PHC was detected at 0.10 mg/L in trip blank 04TBW00301. All samples were previously qualified using trip blank 047TW00601. No further action was necessary.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. Data qualification was not required.

VI.) Laboratory Control Sample (BS):

All Blank Spike Recovery crtieria were met. No action was taken.

VII.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

All MS / MSD Recovery criteria were met. Data qualification was not required.

VIII.) TCL Compound Identification:

All criteria were met. No action was necessary.

IX.) Field Duplicates:

There were no field duplicate samples associated with this SDG. No action was required.

X.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422, Norcross, GA 30093

(770) 923-3890
(770) 923-8769 (Fax)

DATA VALIDATION SUMMARY REPORT

COMPANY:	Ensafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
PROJECT NUMBER:	8500.014
CASE NUMBER:	30215
CONTRACTED LAB:	CompuChem Environmental Corp.
QA/QC LEVEL:	Level III
EPA SOW/METHOD:	EPA 1990 SOW
VALIDATION GUIDELINES:	*USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review,* 1994
SAMPLE MATRIX:	Soil
TYPES OF ANALYSES:	Total Petroleum Hydrocarbons (TPH-IR)
SDG NUMBERS:	30215.10G

SAMPLES:

Client Sample #:	Lab Sample #:	Matrix	TPH-IR
047SB00301	703359	Soil	X
047SB00302	703360	Soil	X
047SB00401	703353	Soil	X
047SB00402	703354	Soil	X
047SB00801	703361	Soil	X
047SB00802	703368	Soil	X
047SB00901	703458	Soil	X
047SB01101	703355	Soil	X
047SB01102	703356	Soil	X
047SB01201	703357	Soil	X
047SB01202	703358	Soil	X
047SB01301	703365	Soil	X
047SB01302	703366	Soil	X
047SB01501	703348	Soil	X
047SB01502	703352	Soil	X
GRDSB0701	703442	Soil	X
047SB01201MS	703349MS	Soil	X
047SB01201MSD	703350MSD	Soil	X

MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

DATA REVIEWER(S): Kent F. Pan, Ph. D., Marvin L. Smith, Jean M. Delashmit

RELEASE SIGNATURE:

Data Qualifier Definitions

J	-	The association numerical value is an estimated quantity.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 30215.10G Petroleum Hydrocarbons, IR method

SAMPLES: 047SB00301, 047SB00302, 047SB00401, 047SB00402, 047SB00801, 047SB00802, 047SB00901, 047SB01101, 047SB01102, 047SB01201, 047SB01202, 047SB01301, 047SB01302, 047SB01501, 047SB01502, GRDSB0701, 047SB01201MS, 047SB01201MSD

TOTAL PETROLEUM HYDROCARBONS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) Calibration:

All Calibration criteria were met. No action was necessary.

III.) Blanks:

Method Blanks:

There were no positive detections in the method blanks, so data qualification was not necessary.

IV.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met. No action was required.

V.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

All MS / MSD criteria were met. No action was necessary.

VI.) TCL Compound Identification:

All Compound Identification criteria were met. No action was required.

VII.) Field Duplicates:

There were no field duplicates associated with this SDG. No action was taken.

VIII.) Overall Assessment of Data/General:

All data were acceptable without qualification.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422, Norcross, Ga. 30093

DATA VALIDATION SUMMARY REPORT

COMPANY:	Ensafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zones I & C
PROJECT NUMBER:	8500.014
CONTRACTED LAB:	Southwest Laboratories of Oklahoma
EPA SOW/METHOD:	EPA 8290
VALIDATION GUIDELINES:	EPA 8290, Professional Judgement
SAMPLE MATRIX:	Soil
TYPES OF ANALYSES:	2,3,7,8-substituted PCDD's and PCDF's

SDG NO: 0014B00101

SAMPLES:

Client Sample #:	Lab Sample #:	Matrix	PCDD/ PCDF
0014B00101	21884.01	Soil	X
0015B00101	21884.02	Soil	X
0016B00101	21884.03	Soil	X
047CB00401	21884.04	Soil	X
047CB00901	21887.01	Soil	X

D = DUPLICATE, MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE, RE = REANALYZED

DATA REVIEWER(S): Shawn S. Lin, Ph.D., Kevin C. Harmon

RELEASE SIGNATURE:

DATA QUALIFICATION SUMMARY

Southwest Laboratories of Oklahoma - 0014B00101 2,3,7,8-substituted PCDD's and PCDF's

SAMPLES: 0014B00101, 0015B00101, 0016B00101, 047CB00401, 047CB00901

2,3,7,8-SUBSTITUTED PCDD'S AND PCDF'S

I.) Holding Times:

All criteria were met, so no action was taken.

II.) HRGC/HRMS System Performance:

GC Column Performance:

All criteria were met, so no action was taken.

HRMS Resolution:

The mass resolving power was not calculated for each Mass Resolution Check. From the print out of Peak Locate Examinations, the validator estimated that all Mass Resolution Check results had resolving power less than 10,000 (10 percent valley) at m/z 304.9824. However, the laboratory certified that all Mass Resolution Checks met the method's minimum resolving power requirement, so no data qualification action was taken (see Section X).

Mass Verification:

The validator could not locate the raw data for Mass Verification Check. The information for Mass Verification could not be obtained from the Mass Resolution Check results. However, the laboratory certified that the exact mass of m/z 380.9760 was within 5 ppm of the required value, so no data qualification action was taken (see Section X).

MS Data Acquisition:

All criteria were met, so no action was taken.

III.) Calibration:

Calibration Range:

EPA Method 1613 calibration and internal standard concentration levels were used for the analyses. Comparing to EPA Method 8290, the calibration ranges of two methods were not significantly different, so no action was deemed necessary.

Initial Calibration and Continuing Calibration Check:

Two sets of RRF's for initial calibrations (for instruments AutoSpec and 70S, run on 4/18/95 and 12/19/94 respectively) were used to calculated the RRF percent difference between the continuing calibration check and initial calibration.

All criteria were met, so no action was taken.

IV.) Blanks

Method Blanks:

Several 2,3,7,8-substituted PCDD's and PCDF's were detected in method blanks at the following concentrations:

Method Blank	Compound	Conc. ng/kg	Action Level ng/kg
BLK041802	1234678-HpCDD	0.4	2.0
	OCDD	1.2	6.0
	123478-HxCDF	1.0	5.0
	1234678-HpCDF	8.6	43
	OCDF	33	165
BLK042605	OCDD	0.6	3.0
	123678-HxCDF	0.2	1.0
	1234678-HpCDF	2.3	12
	OCDF	4.1	21

Detections of the above compounds in all associated samples below 5X the blank amounts (Action Level, ng/kg for soil samples before percent solids correction) were designated as EMPC (Estimated Maximum Possible Concentration).

Field Blanks:

The associated D.I. water blank (GRDDB01701) and rinsate blank (GRDEB01701) were

analyzed with SDG 513CB00202. Several PCDD's/PCDF's were detected in blanks at the following concentrations:

Blank	Compound	Concentration pg/L	Action Level ng/kg
GRDDB01701	OCDD	21	11
	123678-HxCDF	3.3	1.7
	123789-HxCDF	6.6	3.3
	OCDF	25	13
GRDEB01701	1234678-HpCDD	2.4	1.2
	OCDD	8.2	4.1
	123478-HxCDF	1.4	0.7
	123678-HxCDF	2.2	1.1
	123789-HxCDF	5.0	2.5
	OCDF	14	7.0

Detections of the above compound in all associated samples below 5X the blank amounts (Action Level, ng/kg for soil samples before percent solids correction) were designated as EMPC (Estimated Maximum Possible Concentration).

V.) Internal Standards Performance:

All criteria were met, so no action was taken.

VI.) Spike/Spike Duplicates:

No MS/MSD were analyzed.

VII.) Duplicates:

No field duplicates were analyzed.

VIII.) PCDD/PCDF Identifications:

Retention Times:

All criteria were met, so no action was taken.

Ion Abundance:

All criteria were met, so no action was taken.

S/N Ratio:

All criteria were met, so no action was taken.

PCDPE (Polychlorinated Diphenyl Ether) Interferences:

All criteria were met, so no action was taken.

Second Column Confirmation:

All criteria were met, so no action was taken.

IX.) Overall Assessment of Data/General:

Two samples were re-extracted due to low internal standards recoveries. All data were acceptable with qualifications.

X.) Laboratory Certifications Concerning Data Validation Deliverables:

In the validation of the PCDD/PCDF data, several important informational items were not verifiable from the data packages. Southwest Laboratories of Oklahoma provided certifications concerning the procedures used in the laboratory and in data reporting which address these issues.

The following certifications were made by Southwest Laboratories of Oklahoma:

1.) For all Mass Resolution Checks, the resolving power was greater than 10,000 (10 percent valley) at m/z 304.9824.

2.) For all Mass Verification Checks, the exact mass of m/z 380.9760 was within 5 ppm of the required value.

Validata Chemical Services, Inc. has incorporated these certifications into its data review as fact, and they have formed the basis for data validation of the unverifiable items. Validata Chemical Services, Inc. takes no responsibility for the validity of these certifications.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422 Norcross, Ga. 30093

DATA VALIDATION SUMMARY REPORT

COMPANY:	Ensafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zones I & C
PROJECT NUMBER:	8500.014
CONTRACTED LAB:	Southwest Laboratories of Oklahoma
EPA SOW/METHOD:	EPA 8290
VALIDATION GUIDELINES:	EPA 8290, Professional Judgement
SAMPLE MATRIX:	Soil
TYPES OF ANALYSES:	2,3,7,8-substituted PCDD's and PCDF's

SDG NO: 0001X

SAMPLES:

Client Sample #:	Lab Sample #:	Matrix	PCDD/ PCDF
679CB00201	21536.01	Soil	X
679CB01101	21541.01	Soil	X
510CB00502	21548.01	Soil	X
044CB00701	21548.02	Soil	X
512CB00301	21573.01	Soil	X
DMACB00101	21590.01	Soil	X

D = DUPLICATE, MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE, RE = REANALYZED

DATA REVIEWER(S): Shawn S. Lin, Ph.D., Kevin C. Harmon

RELEASE SIGNATURE:

DATA QUALIFICATION SUMMARY

Southwest Laboratories of Oklahoma - 0001X 2,3,7,8-substituted PCDD's and PCDF's

SAMPLES: 679CB00201, 679CB01101, 510CB00502, 044CB00701, 512CB00301, DMACB00101

2,3,7,8-SUBSTITUTED PCDD'S AND PCDF'S

I.) Holding Times:

All criteria were met, so no action was taken.

II.) HRGC/HRMS System Performance:

GC Column Performance:

All criteria were met, so no action was taken.

HRMS Resolution:

The mass resolving power was not calculated for each Mass Resolution Check. From the print out of Peak Locate Examinations, the validator estimated that all Mass Resolution Check results had resolving power less than 10,000 (10 percent valley) at m/z 304.9824. However, the laboratory certified that all Mass Resolution Checks met the method's minimum resolving power requirement, so no data qualification action was taken (see Section X).

Mass Verification:

The validator could not locate the raw data for Mass Verification Check. The information for Mass Verification could not be obtained from the Mass Resolution Check's results. However, The laboratory certified that the exact mass of m/z 380.9760 was within 5 ppm of the required value, so no data qualification action was taken (see Section X).

MS Data Acquisition:

All criteria were met, so no action was taken.

III.) Calibration:

Calibration Range:

EPA Method 1613 calibration and internal standard concentration levels were used for the analyses. Comparing to EPA Method 8290, the calibration ranges of two methods were not significantly different, so no action was deemed necessary.

Initial Calibration and Continuing Calibration Check:

Two sets of RRF's for initial calibrations (for instruments AutoSpec and 70S, run on 9/15/94 and 12/19/94, respectively) were used to calculated the RRF percent difference between the continuing calibration check and initial calibration.

All criteria were met, so no action was taken.

IV.) Blanks

Method Blanks:

Several 2,3,7,8-substituted PCDD's and PCDF's were detected in method blanks at the following concentrations:

Method Blank	Compound	Conc. ng/kg	Action Level ng/kg
BLK032001	12378-PeCDD	1.5	7.5
	1234678-HpCDD	1.4	7.0
	OCDD	2.9	14.5
	12378-PeCDF	1.0	5.0
	123678-HxCDF	1.2	6.0
	1234678-HpCDF	1.7	8.5
	OCDF	1.7	8.5

Detections of the above compound in all associated samples (21573.01 and 21590.01) below 5X the blank amounts (Action Level, ng/kg for soil samples before percent solids correction) were designated as EMPC (Estimated Maximum Possible Concentration).

Field Blanks:

The associated D.I. water blank (DMADB00201) and rinsate blanks (DMAEB00201, GRDE000101) were analyzed with SDG DMACB00201. OCDD was detected in blanks at the following concentrations:

Blank	Compound	Concentration pg/L	Action Level ng/kg
DMADB00201	OCDD	13.1	6.6
GRDE000101	OCDD	7.89	3.9

Detections of OCDD in all associated samples below 5X the blank amounts (Action Level, ng/kg for soil samples before percent solids correction) were designated as EMPC (Estimated Maximum Possible Concentration).

V.) Internal Standards Performance:

All criteria were met, so no action was taken.

VI.) Spike/Spike Duplicates:

No MS/MSD were analyzed. No LCS/LCSD were analyzed.

VII.) Duplicates:

No field duplicates were analyzed.

VIII.) PCDD/PCDF Identifications:

Retention Times:

All criteria were met, so no action was taken.

Ion Abundance:

All criteria were met, so no action was taken.

S/N Ratio:

All criteria were met, so no action was taken.

PCDPE (Polychlorinated Diphenyl Ether) Interferences:

All criteria were met, so no action was taken.

Second Column Confirmation:

All criteria were met, so no action was taken.

IX.) Overall Assessment of Data/General:

All data were acceptable with qualifications.

X.) Laboratory Certifications Concerning Data Validation Deliverables:

In the validation of the PCDD/PCDF data, several important informational items were not verifiable from the data packages. Southwest Laboratories of Oklahoma provided certifications concerning the procedures used in the laboratory and in data reporting which address these issues.

The following certifications were made by Southwest Laboratories of Oklahoma:

1.) For all Mass Resolution Checks, the resolving power was greater than 10,000 (10 percent valley) at m/z 304.9824.

2.) For all Mass Verification Checks, the exact mass of m/z 380.9760 was within 5 ppm of the required value.

Validata Chemical Services, Inc. has incorporated these certifications into its data review as fact, and they have formed the basis for data validation of the unverifiable items. Validata Chemical Services, Inc. takes no responsibility for the validity of these certifications.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422, Norcross, GA 30093

(770) 923-3890
(770) 923-8769 (Fax)

DATA VALIDATION SUMMARY REPORT

COMPANY:	EnSafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
PROJECT NUMBER:	8500.014
CONTRACTED LAB:	Southwest Laboratories of Oklahoma
EPA SOW/METHOD:	EPA 8290
VALIDATION GUIDELINES:	EPA 8290, Professional Judgement, Laboratory Statements
SAMPLE MATRIX:	Soil, Water
TYPES OF ANALYSES:	2,3,7,8-substituted PCDD's and PCDF's

SDG NO: 95-31

SAMPLES:

Client Sample #:	Lab Sample #:	Matrix	PCDD/ PCDF
519CB00101	21996.01	Soil	X
519CB00101 MS	21996.02	Soil	X
519CB00101 MSD	21996.03	Soil	X
519EB00101	21996.04RE	Water	X
0007000001	21996.05RE	Water	X
GRDHW00801	22094.01	Water	X

D = DUPLICATE, MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE, RE = REANALYZED

DATA REVIEWER(S): Shawn S. Lin, Ph.D., Kevin C. Harmon

RELEASE SIGNATURE:

DATA QUALIFICATION SUMMARY

Southwest Laboratories of Oklahoma - 95-31 2,3,7,8-substituted PCDD's and PCDF's

SAMPLES: 519CB00101, 519CB00101 MS, 519CB00101 MSD, 519EB00101, 0007000001, GRDHW00801

2,3,7,8-SUBSTITUTED PCDD'S AND PCDF'S

I.) Holding Times:

All criteria were met, so no action was taken.

II.) HRGC/HRMS System Performance:

GC Column Performance:

All criteria were met, so no action was taken.

HRMS Resolution:

The mass resolving power was not calculated for each Mass Resolution Check. From the print out of Peak Locate Examinations, the validator estimated that all Mass Resolution Check results had resolving power less than 10,000 (10 percent valley) at m/z 304.9824. However, the laboratory certified that all Mass Resolution Checks met the method's minimum resolving power requirement, so no data qualification action was taken (see Section X).

Mass Verification:

The validator could not locate the raw data for Mass Verification Check. The information for Mass Verification could not be obtained from the Mass Resolution Check results. However, the laboratory certified that the exact mass of m/z 380.9760 was within 5 ppm of the required value, so no data qualification action was taken (see Section X).

MS Data Acquisition:

All criteria were met, so no action was taken.

III.) Calibration:

Calibration Range:

EPA Method 1613 calibration and internal standard concentration levels were used for the analyses. Comparing to EPA Method 8290, the calibration ranges of two methods were not significantly different, so no action was deemed necessary.

Initial Calibration and Continuing Calibration Check:

Two sets of RRF's for initial calibrations (for instruments AutoSpec and 70S, run on 4/18/95 and 12/19/94, respectively) were used to calculated the RRF percent difference between the continuing calibration check and initial calibration.

All criteria were met, so no action was taken.

IV.) Blanks

Method Blanks:

Several 2,3,7,8-substituted PCDD's and PCDF's were detected in method blanks at the following concentrations:

Method Blank	Compound	Conc. ng/kg	Action Level ng/kg
BLK050105	OCDD	0.84	4.2
	123478-HxCDF	0.87	4.4
	1234678-HpCDF	7.5	3.8
	OCDF	16	80

Method Blank	Compound	Conc. pg/L	Action Level pg/L
BLK050403	OCDD	5.5	28
	1234678-HpCDF	*3.5	18
	OCDF	*4.9	25

* = EMPC

Detections of the above compounds in all associated samples below 5X the blank amounts (Action Level, ng/kg for soil samples before percent solids correction) were designated as EMPC (Estimated Maximum Possible Concentration).

Field Blanks:

The associated field blank (519EB00101) was analyzed. Several PCDD's/PCDF's were detected in the blank at the following concentrations:

Blank	Compound	Concentration pg/L	Action Level pg//L
519EB00101	OCDD	*6.1	31
	1234678-HpCDF	*16	80
	OCDF	*35	175

* = EMPC

Detections of the above compounds in all associated samples below 5X the blank amounts (Action Level, pg/L for water samples) were designated as EMPC (Estimated Maximum Possible Concentration).

V.) Internal Standards Performance:

Two samples were reextracted due to low internal standard recoveries.

All criteria were met, so no action was taken.

VI.) Spike/Spike Duplicates:

One set of matrix spike/spike duplicate 519CB00101 MS/MSD was analyzed. All criteria were met, so no action was taken.

VII.) Duplicates:

No field duplicates were analyzed.

VIII.) PCDD/PCDF Identifications:

Retention Times:

All criteria were met, so no action was taken.

Ion Abundance:

All criteria were met, so no action was taken.

S/N Ratio:

All criteria were met, so no action was taken.

PCDPE (Polychlorinated Diphenyl Ether) Interferences:

All criteria were met, so no action was taken.

Second Column Confirmation:

All criteria were met, so no action was taken.

IX.) Overall Assessment of Data/General:

Two samples were reextracted due to low internal standard recoveries.

Sample ID 519FB00101 was corrected as 519EB00101 according to the chain of custody records.

All data were acceptable with qualifications.

X.) Laboratory Certifications Concerning Data Validation Deliverables:

In the validation of the PCDD/PCDF data, several important informational items were not verifiable from the data packages. Southwest Laboratories of Oklahoma provided certifications concerning the procedures used in the laboratory and in data reporting which address these issues.

The following certifications were made by Southwest Laboratories of Oklahoma:

1.) For all Mass Resolution Checks, the resolving power was greater than 10,000 (10 percent valley) at m/z 304.9824.

2.) For all Mass Verification Checks, the exact mass of m/z 380.9760 was within 5 ppm of the required value.

Validata Chemical Services, Inc. has incorporated these certifications into its data review as fact, and they have formed the basis for data validation of the unverifiable items. Validata Chemical Services, Inc. takes no responsibility for the validity of these certifications.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422, Norcross, Ga. 30093

DATA VALIDATION SUMMARY REPORT

COMPANY:	Ensafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zones I & C
PROJECT NUMBER:	8500.014
CONTRACTED LAB:	Southwest Laboratories of Oklahoma
EPA SOW/METHOD:	EPA 8290
VALIDATION GUIDELINES:	EPA 8290, Professional Judgement
SAMPLE MATRIX:	Soil
TYPES OF ANALYSES:	2,3,7,8-substituted PCDD's and PCDF's

SDG NO: 0001X

SAMPLES:

Client Sample #:	Lab Sample #:	Matrix	PCDD/ PCDF
679CB00201	21536.01	Soil	X
679CB01101	21541.01	Soil	X
510CB00502	21548.01	Soil	X
044CB00701	21548.02	Soil	X
512CB00301	21573.01	Soil	X
DMACB00101	21590.01	Soil	X

D = DUPLICATE, MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE, RE = REANALYZED

DATA REVIEWER(S): Shawn S. Lin, Ph.D., Kevin C. Harmon

RELEASE SIGNATURE:

DATA QUALIFICATION SUMMARY

Southwest Laboratories of Oklahoma - 0001X 2,3,7,8-substituted PCDD's and PCDF's

SAMPLES: 679CB00201, 679CB01101, 510CB00502, 044CB00701, 512CB00301, DMACB00101

2,3,7,8-SUBSTITUTED PCDD'S AND PCDF'S

I.) Holding Times:

All criteria were met, so no action was taken.

II.) HRGC/HRMS System Performance:

GC Column Performance:

All criteria were met, so no action was taken.

HRMS Resolution:

The mass resolving power was not calculated for each Mass Resolution Check. From the print out of Peak Locate Examinations, the validator estimated that all Mass Resolution Check results had resolving power less than 10,000 (10 percent valley) at m/z 304.9824. However, the laboratory certified that all Mass Resolution Checks met the method's minimum resolving power requirement, so no data qualification action was taken (see Section X).

Mass Verification:

The validator could not locate the raw data for Mass Verification Check. The information for Mass Verification could not be obtained from the Mass Resolution Check's results. However, The laboratory certified that the exact mass of m/z 380.9760 was within 5 ppm of the required value, so no data qualification action was taken (see Section X).

MS Data Acquisition:

All criteria were met, so no action was taken.

III.) Calibration:

Calibration Range:

EPA Method 1613 calibration and internal standard concentration levels were used for the analyses. Comparing to EPA Method 8290, the calibration ranges of two methods were not significantly different, so no action was deemed necessary.

Initial Calibration and Continuing Calibration Check:

Two sets of RRF's for initial calibrations (for instruments AutoSpec and 70S, run on 9/15/94 and 12/19/94, respectively) were used to calculated the RRF percent difference between the continuing calibration check and initial calibration.

All criteria were met, so no action was taken.

IV.) Blanks

Method Blanks:

Several 2,3,7,8-substituted PCDD's and PCDF's were detected in method blanks at the following concentrations:

Method Blank	Compound	Conc. ng/kg	Action Level ng/kg
BLK032001	12378-PeCDD	1.5	7.5
	1234678-HpCDD	1.4	7.0
	OCDD	2.9	14.5
	12378-PeCDF	1.0	5.0
	123678-HxCDF	1.2	6.0
	1234678-HpCDF	1.7	8.5
	OCDF	1.7	8.5

Detections of the above compound in all associated samples (21573.01 and 21590.01) below 5X the blank amounts (Action Level, ng/kg for soil samples before percent solids correction) were designated as EMPC (Estimated Maximum Possible Concentration).

Field Blanks:

The associated D.I. water blank (DMADB00201) and rinsate blanks (DMAEB00201, GRDE000101) were analyzed with SDG DMACB00201. OCDD was detected in blanks at the following concentrations:

Blank	Compound	Concentration pg/L	Action Level ng/kg
DMADB00201	OCDD	13.1	6.6
GRDE000101	OCDD	7.89	3.9

Detections of OCDD in all associated samples below 5X the blank amounts (Action Level, ng/kg for soil samples before percent solids correction) were designated as EMPC (Estimated Maximum Possible Concentration).

V.) Internal Standards Performance:

All criteria were met, so no action was taken.

VI.) Spike/Spike Duplicates:

No MS/MSD were analyzed. No LCS/LCSD were analyzed.

VII.) Duplicates:

No field duplicates were analyzed.

VIII.) PCDD/PCDF Identifications:

Retention Times:

All criteria were met, so no action was taken.

Ion Abundance:

All criteria were met, so no action was taken.

S/N Ratio:

All criteria were met, so no action was taken.

PCDPE (Polychlorinated Diphenyl Ether) Interferences:

All criteria were met, so no action was taken.

Second Column Confirmation:

All criteria were met, so no action was taken.

IX.) Overall Assessment of Data/General:

All data were acceptable with qualifications.

X.) Laboratory Certifications Concerning Data Validation Deliverables:

In the validation of the PCDD/PCDF data, several important informational items were not verifiable from the data packages. Southwest Laboratories of Oklahoma provided certifications concerning the procedures used in the laboratory and in data reporting which address these issues.

The following certifications were made by Southwest Laboratories of Oklahoma:

1.) For all Mass Resolution Checks, the resolving power was greater than 10,000 (10 percent valley) at m/z 304.9824.

2.) For all Mass Verification Checks, the exact mass of m/z 380.9760 was within 5 ppm of the required value.

Validata Chemical Services, Inc. has incorporated these certifications into its data review as fact, and they have formed the basis for data validation of the unverifiable items. Validata Chemical Services, Inc. takes no responsibility for the validity of these certifications.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422, Norcross, GA 30093

(770) 923-3890
(770) 923-8769 (Fax)

DATA VALIDATION SUMMARY REPORT

COMPANY:	Ensafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
PROJECT NUMBER:	8500.014
CASE NUMBER:	30215
CONTRACTED LAB:	CompuChem Environmental Corporation
QA/QC LEVEL:	Level III
EPA SOW/METHOD:	EPA 1990 SOW, Method 1311
VALIDATION GUIDELINES:	*USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review,* 1994
SAMPLE MATRIX:	Soil Leachate
TYPES OF ANALYSES:	TCLP Organochlorine Pesticides / PCB's (P/PCB)
SDG NUMBER:	024PP

SAMPLES:

Client Sample No:	Lab Number:	Matrix	P/PCB
518SB00101	756892	Leachate	X
518SB00101R	756892R	Leachate	X
518SB00102	756891	Leachate	X
518SB00102R	756891R	Leachate	X
520SB00501	756889	Leachate	X
520SB00501R	756889R	Leachate	X
520SB00502	756890	Leachate	X
520SB00502R	756890R	Leachate	X
GDCSB00101	753713	Leachate	X
GDCSB00102	753714	Leachate	X

R = REANALYSIS

DATA REVIEWER(S): Kent F. Pan, Ph. D., Marvin L. Smith

RELEASE SIGNATURE:

Data Qualifier Definitions

J	-	The association numerical value is an estimated quantity.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 024PP Organochlorine Pesticides / PCB's

SAMPLES: 518SB00101, 518SB00101R, 518SB00102, 518SB00102R, 520SB00501, 520SB00501R, 520SB00502, 520SB00502R, GDCSB00101, GDCSB00102

ORGANOCHLORINE PESTICIDES / PCB's

I.) Holding Times:

All Holding Time criteria were met, so no action was required.

II.) Instrument Performance:

All Instrument Performance criteria were met, so no action was necessary.

III.) Calibration:

All Calibration criteria were met, so no action was required.

IV.) Blanks:

Method Blanks:

The following compounds were detected in leachate blank SPLPBLK08:

Compounds	ug/kg
methoxychlor	0.0088
beta-BHC	0.0066
endrin aldehyde	0.0066

Detections of these compounds in all samples associated with this SDG below 5X the blank amounts were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample.

V.) Surrogate Recoveries:

All Surrogate Percent Recovery criteria were met. No action was taken.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

Blank Spike / Blank Spike Duplicate (BS / BSD) analyses were performed in this SDG instead of MS / MSD analyses. All BS / BSD criteria were met. No action was taken.

VII.) TCL Compound Identification:

Column Percent Differences (%D's) were not evaluated because analytical results were below the MDL. No action was required.

VIII.) Field Duplicates:

There were no field duplicate samples designated in this SDG. No action was necessary.

IX.) Pesticide Cleanup Check:

Florisil Cartridge Check:

No Florisil Cartridge Check data were present in this SDG. No action was required.

Gel Permeation Chromatography (GPC):

No Gel Permeation Chromatography (GPC) was performed in this SDG. No action was necessary.

X.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification. The reanalysis results of original samples 518SB00101, 518SB00102, 520SB00501 and 520SB00502 were considered by the validator to be of preferable data quality because the initial analyses contained blank contamination.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422, Norcross, GA 30093

(770) 923-3890
(770) 923-8769 (Fax)

DATA VALIDATION SUMMARY REPORT

COMPANY:	Ensafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone I
PROJECT NUMBER:	8500.014
CASE NUMBER:	30057
CONTRACTED LAB:	CompuChem Environmental Corporation
QA/QC LEVEL:	Level III
EPA SOW/METHOD:	EPA 1990 SOW
VALIDATION GUIDELINES:	*USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review,* 1994
SAMPLE MATRIX:	Soil
TYPES OF ANALYSES:	Organochlorine Pesticides and PCB's (P/PCB)
SDG NUMBER:	0009P

SAMPLES:

Client Sample No:	Lab Number:	Matrix	P/PCB
RTCSB00501	724571	Soil	X
RTCSB01001	724604	Soil	X
RTCSB00101	724612	Soil	X
RTCSB00201	724635	Soil	X
RTCCB00201	724644	Soil	X
RTCSB00301	724649	Soil	X
RTCSB00401	724655	Soil	X
RTCSB00601	724701	Soil	X
RTCSB00901	724711	Soil	X
RTCCB00901	724752	Soil	X
RTCSB00701	724769	Soil	X
RTCSB00801	724782	Soil	X

CC = FIELD DUPLICATE

DATA REVIEWER(S): Kent F. Pan, Ph. D., Marvin L. Smith, Jean M. Delashmit

RELEASE SIGNATURE:

Data Qualifier Definitions

J	-	The association numerical value is an estimated quantity.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 0009P Organochlorine Pesticides / PCB's

SAMPLES: RTCSB00501, RTCSB01001, RTCSB00101, RTCSB00201, RTCCB00201, RTCSB00301, RTCSB00401, RTCSB00601, RTCSB00901, RTCCB00901, RTCSB00701, RTCSB00801

ORGANOCHLORINE PESTICIDES / PCB's

I.) Holding Times:

All Holding Time criteria were met, so no action was required.

II.) Instrument Performance:

All Instrument Performance criteria were met, so no action was necessary.

III.) Calibration:

All Calibration criteria were met, so no action was required.

IV.) Blanks:

Method Blanks:

The following compounds were detected in soil method blank PBLK55:

Compounds	ug/kg
endosulfan I	0.34
methoxychlor	0.55
beta-BHC	0.26
delta-BHC	0.14
heptachlor epoxide	0.11
4,4'-DDE	0.14
endrin	0.30
endrin aldehyde	0.36
endosulfan sulfate	0.22

Detections of these compounds in associated samples RTCSB00501, RTCSB01001, RTCSB00101, RTCSB00201, RTCCB00201, RTCSB00301, RTCSB00401, RTCSB00601, RTCSB00901, RTCCB00901, RTCSB00701 and RTCSC00801 below 5X the blank amounts were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample.

V.) Surrogate Recoveries:

The Percent Recoveries (%R's) of decachlorobiphenyl were above the 30-150% QC limits for the following samples:

Client Sample #:	Column 1 %R	Column 2 %R
RTCSB01001	170	180
RTCSB00401	-	160
RTCSB00901	-	160
RTCSB00801	-	160
RTCSB00501	-	160

All positive results in these samples were flagged as estimated (J).

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

Blank Spike / Blank Spike Duplicate analyses were performed in this SDG instead of MS / MSD analyses. All BS / BSD criteria were met. No action was taken.

VII.) TCL Compound Identification:

Column Percent Differences (%D's) were not evaluated because analytical results were below the MDL.

VIII.) Field Duplicates:

There were no field duplicate samples associated with this SDG. No action was necessary.

IX.) Pesticide Cleanup Check:

Florisil Cartridge Check:

No Florisil Cartridge Check data were present in this SDG. No action was required.

Gel Permeation Chromatography (GPC):

No Gel Permeation Chromatography (GPC) was performed for this SDG. No action was necessary.

X.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification. Sample RTCSB00801 was incorrectly labeled as RTCSC00801. Corrections were made during validation.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422 Norcross, Ga. 30093

DATA VALIDATION SUMMARY
REPORT

COMPANY:	EnSafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
CASE NUMBER:	50080
PROJECT NUMBER:	8500.14
CONTRACTED LAB:	CompuChem Environmental Corporation
QA/QC LEVEL:	Level III, IV
EPA SOW/METHOD:	EPA 1990 SOW
VALIDATION GUIDELINES:	*Laboratory Data Validation Functional Guidelines for Evaluating Inorganics Analyses,* 1994; *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review,* 1994
SAMPLE MATRICES:	Soil and Water
TYPES OF ANALYSES:	Metals
SDG NUMBERS:	50012M (IV), 50013M, 50014M, 50015M, 5001MT, 5014MB

SAMPLES:

SDG : 50012M

Client Sample No:	Lab Number:	Matrix	Metals
047SB00901	703448	Soil	X
047CB00901	703530	Soil	X
047SB00902	703470	Soil	X
047SB01001	703487	Soil	X
047SB01101	703493	Soil	X
047SB01102	703499	Soil	X
515SB00101	704232	Soil	X
515SB00102	704244	Soil	X
515SB00202	704283	Soil	X
515SB00301	704292	Soil	X
515SB00302	704318	Soil	X
515SB00401	704350	Soil	X
515SB00402	704365	Soil	X
515SB00501	704381	Soil	X
515SB00502	704387	Soil	X

Client Sample No:	Lab Number:	Matrix	Metals
515SB00601	704199	Soil	X
515SB00602	704205	Soil	X
515CB00602	704219	Soil	X
GRDSB00401	703505	Soil	X
GRDSB00402	703511	Soil	X
515CB00602D	703474	Soil	X
515CB00602S	703472/703471	Soil	X

SDG : 50013M

Client Sample No:	Lab Number:	Matrix	Metals
044M001201	704866	Sediment	X
044M001301	704878	Sediment	X
044M001401	704882	Sediment	X
044M001501	704887	Sediment	X
044M001601	704894	Sediment	X
044M001701	704902	Sediment	X
GRDSB02701	705231	Soil	X
GRDSB02702	705232	Soil	X
GRDSB02801	705233	Soil	X
GRDSB02802	705234	Soil	X
GRDSB02901	704089	Soil	X
GRDSB02902	704094	Soil	X
GRDSB03001	704098	Soil	X
GRDSB03002	704095	Soil	X
GRDSB03101	704096	Soil	X
GRDSB03102	704100	Soil	X
GRDSB03601	704097	Soil	X
GRDSB03602	704099	Soil	X
GRDSB02901D	704093	Soil	X
GRDSB02901S	704091/704090	Soil	X

SDG : 50014M

Client Sample No:	Lab Number:	Matrix	Metals
044M000901	704075	Sediment	X
044M001001	704082	Sediment	X
044M001101	704085	Sediment	X
044M000901D	704079	Sediment	X
044M000901S	704077/704776	Sediment	X

D (SUFFIX) = MATRIX DUPLICATE, S (SUFFIX) = MATRIX SPIKE, CB = FIELD DUPLICATE

SDG : 50015M

Client Sample No:	Lab Number:	Matrix	Metals
510SB00301	704424	Soil	X
510SB00302	704449	Soil	X
510SB00401	704402	Soil	X
510SB00402	704417	Soil	X
515SB00201	704257	Soil	X
519SB00101	706640	Soil	X
519CB00101	706654	Soil	X
519SB00102	706669	Soil	X
519SB00201	706675	Soil	X
519SB00202	706681	Soil	X
519SB00301	706687	Soil	X
519SB00302	706697	Soil	X
519SB00401	706703	Soil	X
519SB00402	706710	Soil	X
519SB00501	706716	Soil	X
519SB00502	706723	Soil	X
519SB00601	706732	Soil	X
519SB00602	706738	Soil	X
515SB00201D	704261	Soil	X
515SB00201S	704259/704258	Soil	X

SDG : 5001MT

Client Sample No:	Lab Number:	Matrix	Metals
044KB00101	698389	TCLP	X
044KB00101D	698393	TCLP	X
044KB00101S	698390	TCLP	X

D = MATRIX DUPLICATE, S = MATRIX SPIKE

SDG : 5014MB

Client Sample No:	Lab Number:	Matrix	Metals
044EB00901	704067	Water	X
044DB00901	704058	Water	X

CB = FIELD DUPLICATE, D (SUFFIX) = MATRIX DUPLICATE, DB = DEIONIZED WATER BLANK, EB = EQUIPMENT BLANK, S (SUFFIX) = MATRIX SPIKE

DATA REVIEWER(S): Kent F. Pan, Ph. D., Marvin L. Smith

RELEASE SIGNATURE:

Data Qualifier Definitions

J	-	The association numerical value is an estimated quantity.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 50012M Inorganics

SAMPLES: 047SB00901, 047CB00901, 047SB00902, 047SB01001, 047SB01101, 047SB01102, 515SB00101, 515SB00102, 515SB00202, 515SB00301, 515SB00302, 515SB00401, 515SB00402, 515SB00501, 515SB00502, 515SB00601, 515SB00602, 515CB00602, GRDSB00401, GRDSB00402, 515CB00602D, 515CB00602S

TOTAL METALS

I.) Holding Times:

All Holding Time criteria were met, so no action was taken.

II.) Calibration:

All Calibration criteria were met, so no action was necessary.

III.) Blanks:

The following blank results represent the highest detections associated with the samples and were used for data qualification:

Blank		Max. Conc.		Action Level
Type/ID#	Analyte	ug/L	mg/kg	mg/kg
PBS	aluminum		9.25	46.3
CCB	barium	0.40		0.40
CCB	beryllium	0.30		0.30
CCB	cadmium	0.60		0.60
CCB	magnesium	33.0		33.0
PBS	potassium		7.81	39.1
CCB	sodium		70.4	253

PBS = Preparation Blank (Soil), CCB = Continuing Calibration Blank,
ICB = Initial Calibration Blank

All results greater than the IDL but less than 5X the blank amount (Action Level, mg/kg for soil sample) for which the contaminated blank was an associated preparation or calibration blank were flagged as undetected (U).

Zinc had a negative result (-2.40 ug/L) with an absolute value greater than the IDL in the initial calibration blank. All associated positive sample results less than 5X the absolute value of the negative result were flagged as estimated (J) and all non-detects were flagged as estimated (UJ).

IV.) ICP Interference Check Sample Results:

All Percent Recovery criteria were met, so no action was taken.

V.) ICP Serial Dilution Analysis:

The Serial Dilution Percent Difference (%D) for potassium (14.3%) in sample 515CB00602L exceeded the 10% QC limit. All associated positive sample results for potassium were flagged as estimated (J).

VI.) Laboratory Control Samples (LCS):

The Percent Recoveries (%R's) of potassium (325%) and sodium (648%) in the LCS exceeded the 80-120% QC limits. All positive results for these analytes in the associated soil samples were flagged as estimated (J).

VII.) Duplicate Sample Analysis:

The Relative Percent Difference (RPD) of tin (50.5%) exceeded the 35% QC limit for soil duplicates 515CB00602 and 515CB00602D. All positive and non-detect results for this analyte in the associated soil samples were flagged as estimated (J) and (UJ).

VIII.) Matrix Spike Recoveries:

The Percent Recovery (%R) of antimony in sample 515CB00602S was 51.8%, which was below the 75-125% QC limits. The positive and non-detect results for antimony in the associated soil samples were flagged as estimated (J) and (UJ).

IX.) Field Duplicates:

Field duplicates 515SB00602 and 515CB00602 were analyzed for total metals. All Relative Percent Difference (RPD) criteria for soil samples were met, so no action was required.

X.) Furnace Atomic Absorption QC:

Method of Standard Additions (MSA):

GFAA analysis was not performed for any samples in this SDG.

XI.) Sample Result, Calculation/Transcription Verification:

All criteria were met, so no action was taken.

XII.) Quarterly Verification of Instrumental Parameters:

All criteria were met, so no action was taken.

XIII.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 50013M Inorganics

SAMPLES: 044M001201, 044M001301, 044M001401, 044M001501, 044M001601, 044M001701, GRDSB02701, GRDSB02702, GRDSB02801, GRDSB02802, GRDSB02901, GRDSB02902, GRDSB03001, GRDSB03002, GRDSB03101, GRDSB03102, GRDSB03601, GRDSB03602, GRDSB02901D, GRDSB02901S

TOTAL METALS

I.) Holding Times:

All Holding Time criteria were met, so no action was taken.

II.) Calibration:

All Calibration criteria were met, so no action was necessary.

III.) Blanks:

The following blank results represent the highest detections associated with the samples and were used for data qualification:

Blank Type/ID#	Analyte	Max. Conc. ug/L	Action Level mg/kg
CCB	arsenic	5.6	5.60
CCB	barium	1.20	1.20
CCB	beryllium	0.50	0.50
CCB	calcium	54.2	54.2
CCB	copper	1.50	1.50
CCB	magnesium	49.0	49.0
CCB	tin	9.20	9.20

CCB = Continuing Calibration Blank

All results greater than the IDL but less than 5X the blank amount (Action Level, mg/kg for soil samples) for which the contaminated blank was an associated calibration blank were flagged as undetected (U).

Aluminum had a negative result (-20.2 ug/L) with an absolute value greater than the IDL in the CCB. All associated positive sample results less than 5X the absolute value of the negative result were flagged as estimated (J) and all non-detects were flagged as estimated (UJ).

IV.) ICP Interference Check Sample Results:

All Percent Recovery criteria were met, so no action was taken.

V.) ICP Serial Dilution Analysis:

All Serial Dilution Analysis criteria were met. No action was taken.

VI.) Laboratory Control Samples (LCS):

The Percent Recoveries (%R's) of potassium (237%) and sodium (602%) in the LCS exceeded the 80-120% QC limits. All positive results for these analytes in the associated soil samples were flagged as estimated (J).

VII.) Duplicate Sample Analysis:

The Relative Percent Differences (RPD's) of nickel (62.6%) and selenium (43.3%) exceeded the 35% QC limit for soil duplicates GRDSB02901 and GRDSB02901D. The positive and non-detect results for these analytes in all associated soil samples were flagged as estimated (J) and (UJ).

VIII.) Matrix Spike Recoveries:

The Percent Recoveries (%R's) of the following analytes in sample GRDSB02901S were outside the 75-125% QC limits:

Analytes	%R
antimony	45.4
barium	131
mercury	126
selenium	73.6
zinc	402

The associated positive and non-detect sample results for antimony and selenium, which had %R's below the QC limits, were flagged as estimated (J) and (UJ). The positive results for the other analytes with %R's above the QC limits were flagged as estimated (J) in the associated soil samples.

IX.) Field Duplicates:

There were no field duplicates associated with this SDG. No action was necessary.

X.) Furnace Atomic Absorption QC:

GFAA analysis was not performed for any of the samples in this SDG.

XI.) Sample Result, Calculation/Transcription Verification:

All criteria were met, so no action was taken.

XII.) Quarterly Verification of Instrumental Parameters:

All criteria were met, so no action was taken.

XIII.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 50014M Inorganics

SAMPLES: 044M000901, 044M001001, 044M001101, 044M000901D, 044M000901S

TOTAL METALS

I.) Holding Times:

All Holding Time criteria were met, so no action was taken.

II.) Calibration:

All Calibration criteria were met, so no action was necessary.

III.) Blanks:

The following blank results represent the highest detections associated with the samples and were used for data qualification:

Blank		Max. Conc.		Action Level
Type/ID#	Analyte	ug/L	mg/kg	mg/kg
CCB	barium	0.30		0.30
CCB	beryllium	0.30		0.30
CCB	copper	0.90		0.90
DB	iron	26.9		26.9
CCB	magnesium	23.6		13.6
PBS	potassium		5.29	26.5
PBS	sodium		51.1	256
EB	tin	11.4		11.4

PBS = Preparation Blank (Soil), CCB = Continuing Calibration Blank,
EB = Equipment Blank (SDG 5014MB), DB = Deionized Blank (SDG 5014MB)

All results greater than the IDL but less than 5X the blank amount (Action Level, mg/kg for soil samples) for which the contaminated blank was an associated preparation, calibration or field blank were flagged as undetected (U).

Aluminum and arsenic had negative results of -22.9 ug/L and -4.00 ug/L, respectively, with absolute values greater than the IDL in the CCB. All associated positive sample results less than 5X the absolute value of the negative result were flagged as estimated (J) and all non-detects were flagged as estimated (UJ).

IV.) ICP Interference Check Sample Results:

All Percent Recovery criteria were met, so no action was taken.

V.) ICP Serial Dilution Analysis:

All Serial Dilution Analysis criteria were met. No action was taken.

VI.) Laboratory Control Samples (LCS):

The Percent Recoveries (%R's) of potassium (302%) and sodium (697%) in the LCS exceeded the 80-120% QC limits. All positive results for these analytes in the associated soil samples were flagged as estimated (J).

VII.) Duplicate Sample Analysis:

The Relative Percent Difference (RPD) of antimony (64.6%) exceeded the 35% QC limit for soil duplicates 044M000901 and 044M000901D. All positive and non-detect results for this analyte in the associated soil samples were flagged as estimated (J) and (UJ).

VIII.) Matrix Spike Recoveries:

The Percent Recoveries (%R's) of the following analytes in spiked sample 044M000901S were below the 75-125% QC limits:

Analytes	%R
antimony	34.4
copper	59.7
manganese	49.3
selenium	72.1
silver	0.0
tin	58.4

All results for silver, which consisted entirely non-detects, were rejected due to the excessively low matrix spike recovery (<30%). The positive and non-detect results for the other analytes in the associated soil samples were flagged as estimated (J) and (UJ).

IX.) Field Duplicates:

There were no field duplicates associated with this SDG. No action was taken.

X.) Furnace Atomic Absorption QC:

GFAA analysis was not performed for any of the samples associated with this SDG.

XI.) Sample Result, Calculation/Transcription Verification:

All criteria were met, so no action was taken.

XII.) Quarterly Verification of Instrumental Parameters:

All criteria were met, so no action was taken.

XIII.) Overall Assessment of Data/General:

The non-detect results for antimony were rejected due to a very low (<30%) matrix spike recovery. All remaining laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 50015M Inorganics

SAMPLES: 510SB00301, 510SB00302, 510SB00401, 510SB00402, 515SB00201, 519SB00101, 519CB00101, 519SB00102, 519SB00201, 519SB00202, 519SB00301, 519SB00302, 519SB00401, 519SB00402, 519SB00501, 519SB00502, 519SB00601, 519SB00602, 515SB00201D, 515SB00201S

TOTAL METALS

I.) Holding Times:

All Holding Time criteria were met, so no action was taken.

II.) Calibration:

All Calibration criteria were met, so no action was necessary.

III.) Blanks:

The following blank results represent the highest detections associated with the samples and were used for data qualification:

Blank Type/ID#	Analyte	Max. Conc. ug/L	Action Level mg/kg
CCB	arsenic	3.30	3.30
CCB	barium	1.20	1.20
CCB	beryllium	0.50	0.50
CCB	calcium	54.2	54.2
CCB	copper	1.50	1.50
CCB	magnesium	49.0	49.0
CCB	manganese	0.40	0.40
CCB	thallium	4.70	4.70
CCB	vanadium	0.60	0.60
CCB	tin	9.20	9.20

CCB = Continuing Calibration Blank

All results greater than the IDL but less than 5X the blank amount (Action Level, mg/kg for soils samples) for which the contaminated blank was an associated calibration blank were flagged as undetected (U).

Aluminum had a negative result (-31.8 ug/L) with an absolute value greater than the IDL in the CCB. There were no associated positive sample results less than 5X the absolute value of the negative result, so no further action was taken.

IV.) ICP Interference Check Sample Results:

All Percent Recovery criteria were met, so no action was taken.

V.) ICP Serial Dilution Analysis:

All Serial Dilution Analysis criteria were met. No action was taken.

VI.) Laboratory Control Samples (LCS):

The Percent Recoveries (%R's) of potassium (221%) and sodium (561%) in the LCS exceeded the 80-120% QC limits. All positive results for these analytes in the associated samples were flagged as estimated (J).

VII.) Duplicate Sample Analysis:

The Relative Percent Differences (RPD's) of aluminum (47.2%), chromium (36.1%) and lead (57.9%) exceeded the 35% QC limit for soil duplicates 515SB00201 and 515SB00201D. The positive and non-detect results for these analytes in the associated soil samples were flagged as estimated (J) and (UJ).

VIII.) Matrix Spike Recoveries:

The Percent Recoveries (%R's) of the following analytes in sample 515SB00201 were outside the 75-125% QC limits:

Analytes	%R
antimony	58.2
chromium	68.4
copper	69.4
lead	-7.8
manganese	-21.7
selenium	69.5
silver	73.3
tin	-57.8
zinc	-173.4

All non-detect results in the associated soil samples for tin were rejected (R) due to very low matrix spike recoveries (<30%). There were only positive results for lead, manganese and zinc. The positive results for these four metals were flagged as estimated (J). The positive and non-detect results for the other analytes in the associated soil samples were flagged as estimated (J) and (UJ).

IX.) Field Duplicates:

Field duplicates 519SB00101 and 519CB00101 were analyzed for total metals. All RPD criteria were met, so no action was required.

X.) Furnace Atomic Absorption QC:

GFAA analysis was not performed for any of the samples in this SDG.

XI.) Sample Result, Calculation/Transcription Verification:

All criteria were met, so no action was taken.

XII.) Quarterly Verification of Instrumental Parameters:

All criteria were met, so no action was taken.

XIII.) Overall Assessment of Data/General:

All non-detect results for tin were rejected due to low matrix spike recoveries (<30%). All remaining laboratory data were acceptable with qualification.

IX.) Field Duplicates:

There were no field duplicate samples in this SDG. No action was taken.

X.) Furnace Atomic Absorption QC:

GFAA analysis was not performed for any of the samples in this SDG.

XI.) Sample Result, Calculation/Transcription Verification:

All criteria were met, so no action was taken.

XII.) Quarterly Verification of Instrumental Parameters:

All criteria were met, so no action was taken.

XIII.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 5014MB Inorganics

SAMPLES: 044EB00901, 044DB00901

TOTAL METALS

I.) Holding Times:

All Holding Time criteria were met, so no action was taken.

II.) Calibration:

All Calibration criteria were met, so no action was necessary.

III.) Blanks:

Since only field blanks were analyzed in this SDG, no action was required.

IV.) ICP Interference Check Sample Results:

All Percent Recovery criteria were met, so no action was taken.

V.) ICP Serial Dilution Analysis:

No Serial Dilution Analysis was performed in this SDG. No action was necessary.

VI.) Laboratory Control Samples (LCS):

All LCS Percent Recovery criteria were met, so no action was required.

VII.) Duplicate Sample Analysis:

No Duplicate Sample Analysis was performed in this SDG. No action was necessary.

VIII.) Matrix Spike Recoveries:

No Matrix Spike Sample Analysis was performed in this SDG. No action was required.

IX.) Field Duplicates:

There were no field duplicates in this SDG. No action was necessary.

X.) Furnace Atomic Absorption QC:

GFAA analysis was not performed for any of the samples associated with this SDG.

XI.) Sample Result, Calculation/Transcription Verification:

All criteria were met, so no action was taken.

XII.) Quarterly Verification of Instrumental Parameters:

All criteria were met, so no action was taken.

XIII.) Overall Assessment of Data/General:

All laboratory data in this SDG were acceptable without qualification.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422 Norcross, Ga. 30093

DATA VALIDATION SUMMARY REPORT

COMPANY:	Ensafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
PROJECT NUMBER:	8500.014
CONTRACTED LAB:	CompuChem Environmental Co.
QA/QC LEVEL:	Level III
EPA SOW/METHOD:	EPA 1990 SOW
VALIDATION GUIDELINES:	*Laboratory Data Validation Functional Guidelines for Evaluating Inorganics Analyses,* 1994; *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review,* 1994
SAMPLE MATRICES:	Soil and Water
TYPES OF ANALYSES:	Total Metals
SDG NUMBERS:	0005M, 0006M, 0007M, 0009M

SAMPLES:

SDG NUMBER: 0005M

Client Sample #:	Lab Sample #:	Matrix	Metals
516SB00101	699050	Soil	X
516SB00102	699063	Soil	X
516SB00201	699069	Soil	X
516SB00202	699075	Soil	X
518SB00101	699022	Soil	X
518SB00102	699027	Soil	X
518SB00201	698965	Soil	X
518SB00202	698978	Soil	X
518SB00301	699008	Soil	X
518SB00302	699015	Soil	X
518CB00401	699040	Soil	X
518SB00402	699001	Soil	X
518SB00501	698983	Soil	X

Client Sample #:	Lab Sample #:	Matrix	Metals
518SB00502	698988	Soil	X
520SB00101	700531	Soil	X
520SB00102	700539	Soil	X
520SB00201	700546	Soil	X
520SB00202	700551	Soil	X
520SB00301	700556	Soil	X
520SB00302	700561	Soil	X
518CB00401MS	699040MS	Soil	X
518CB00401MD	699040MD	Soil	X

C= FIELD DUPLICATE, MS = MATRIX SPIKE, MD = MATRIX DUPLICATE

SDG NUMBER: 0006M

Client Sample #:	Lab Sample #:	Matrix	Metals
513SB00101	702271	Soil	X
513SB00102	702280	Soil	X
513SB00201	702298	Soil	X
513SB00202	702308	Soil	X
513SB00301	702320	Soil	X
513SB00302	702331	Soil	X
513SB00401	702336	Soil	X
513SB00402	702345	Soil	X
513SB00501	702351	Soil	X
513SB00502	702361	Soil	X
513SB00601	702372	Soil	X
520CB00302	701029	Soil	X
520SB00401	700574	Soil	X
520SB00402	700587	Soil	X
520SB00501	700592	Soil	X
520SB00502	700597	Soil	X
520SB00601	700602	Soil	X
520SB00602	700607	Soil	X
GRDCB01301	702014	Soil	X
GRDCB02302	701996	Soil	X
513SB00202MS	702308MS	Soil	X
513SB00202MD	702308MD	Soil	X

C = FIELD DUPLICATE, MS = MATRIX SPIKE, MD = MATRIX DUPLICATE

SDG NUMBER: 0007M

Client Sample #:	Lab Sample #:	Matrix	Metals
044W001401	704843	Water	X
044W001601	704849	Water	X
044W001801	701889	Water	X
044W001901	701910	Water	X
044R001901	701933	Water	X
044W002001	701958	Water	X
044W002101	701966	Water	X
044W002201	704854	Water	X
044W001901MS	701910MS	Water	X
044W001901MD	701910MD	Water	X

R = FIELD DUPLICATE, MS = MATRIX SPIKE, MD = MATRIX DUPLICATE

SDG NUMBER: 0009M

Client Sample #:	Lab Sample #:	Matrix	Metals
GRDSB01201	702019	Soil	X
GRDSB01202	702020	Soil	X
GRDSB01301	702008	Soil	X
GRDSB01302	702018	Soil	X
GRDSB02101	701983	Soil	X
GRDSB02102	701988	Soil	X
GRDSB02201	702006	Soil	X
GRDSB02202	702007	Soil	X
GRDSB02301	701989	Soil	X
GRDSB02302	701990	Soil	X
GRDSB02401	702004	Soil	X
GRDSB02402	702005	Soil	X
GRDSB03301	702002	Soil	X
GRDSB03302	702003	Soil	X
GRDSB03401	702000	Soil	X
GRDSB03402	702001	Soil	X
GRDSB03501	702438	Soil	X
GRDSB03502	702439	Soil	X
GRDSB03701	702441	Soil	X
GRDSB03702	702445	Soil	X
GRDSB01301MS	702008MS	Soil	X
GRDSB01301MD	702008MD	Soil	X

MS = MATRIX SPIKE, MD = MATRIX DUPLICATE

DATA REVIEWER(S): Amy L. Hogan, Marvin L. Smith

RELEASE SIGNATURE:

Data Qualifier Definitions:

J	-	The associated numerical value is an estimated quantity.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

CompuChem - 0005M Inorganics

SAMPLES: 516SB00101, 516SB00102, 516SB00201, 516SB00202, 518SB00101, 518SB00102, 518SB00201, 518SB00202, 518SB00301, 518SB00302, 518CB00401, 518CB00401MS, 518CB00401MD, 518SB00402, 518SB00501, 518SB00502, 520SB00101, 520SB00102, 520SB00201, 520SB00202, 520SB00301, 520SB00302

TOTAL METALS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) Calibration:

All Calibration criteria were met. No action was required.

III.) Blanks:

The following blank results represent the highest detections associated with the samples and were used for data qualification:

Blank Type/ID#	Analyte	Max. Conc.	Action Level mg/kg
CCB1	aluminum	20.1 ug/L	20.1
CCB3	barium	0.40 ug/L	0.40
CCB8	beryllium	0.40 ug/L	0.40
CCB1	cadmium	0.60 ug/L	0.60
CCB4	calcium	29.0 ug/L	29.0
PB1	chromium	0.14 mg/kg	0.70
CCB4	copper	0.80 ug/L	0.80
CCB8	magnesium	38.4 ug/L	38.4
CCB3	potassium	21.0 ug/L	21.0
CCB3	sodium	264 ug/L	264
CCB6	vanadium	0.50 ug/L	0.50

CCB = Continuing Calibration Blank, PB1 = Preparation Blank (Soil)

All results greater than the IDL but less than 5X the blank amount (Action Level, mg/kg for soil samples) for which the contaminated blank was an associated calibration or preparation blank were flagged as undetected (U).

Zinc in CCB6 had a negative result (-2.40 mg/L) with an absolute value greater than the IDL. All associated positive sample results less than 5X the absolute value of the negative blank result (2.40 mg/kg) were flagged as estimated (J) and all non-detects were flagged as estimated (UJ).

IV.) ICP Interference Check Sample Results:

All Interference Check Sample criteria were met. No action was required.

V.) ICP Serial Dilution Analysis:

All Serial Dilution criteria were met, so no action was necessary.

VI.) Laboratory Control Samples (LCS):

The Percent Recoveries (%R's) for potassium (286%), silver (74.8%) and sodium (533%) were outside the 80-120% QC limits for the soil LCS for this SDG. All non-detect sample results for silver were flagged as estimated (UJ). All positive sample results for potassium and sodium were flagged as estimated (J).

VII.) Duplicate Sample Analysis:

The Relative Percent Differences (RPD's) for iron (75.9%), lead (61.5%) and tin (124%) exceeded the 35% QC limit for the soil duplicate sample 518CB00401MD. All positive and non-detect results for these analytes in all samples of this SDG were flagged as estimated (J) and (UJ).

VIII.) Matrix Spike Recoveries:

The Percent Recoveries (%R's) of antimony (54.6%), selenium (69.7%) and silver (74.3%) were below the 75-125% QC limits for sample 518CB00401MS. All positive and non-detect results for these analytes in the samples of this SDG were flagged as estimated (J) and (UJ).

IX.) Field Duplicates:

The field duplicate sample for 518CB00401 was not contained in this SDG. No action was required.

X.) Sample Result, Calculation/Transcription Verification:

All criteria were met, so no action was taken.

XI.) Quarterly Verification of Instrumental Parameters:

All criteria were met, so no action was taken.

XII.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

CompuChem - 0006M Inorganics

SAMPLES: 513SB00101, 513SB00102, 513SB00201, 513SB00202, 513SB00202MS, 513SB00202MD, 513SB00301, 513SB00302, 513SB00401, 513SB00402, 513SB00501, 513SB00502, 513SB00601, 520CB00302, 520SB00401, 520SB00402, 520SB00501, 520SB00502, 520SB00601, 520SB00602, GRDCB01301, GRDCB02302

TOTAL METALS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) Calibration:

All Calibration criteria were met. No action was required.

III.) Blanks:

The following blank results represent the highest detections associated with the samples and were used for data qualification:

Blank Type/ID#	Analyte	Max. Conc.	Action Level mg/kg
CCB50	aluminum	31.2 ug/L	31.2
CCB1	barium	0.30 ug/L	0.30
CCB1	beryllium	0.30 ug/L	0.30
CCB5	calcium	29.7 ug/L	29.7
CCB5	magnesium	29.1 ug/L	29.1
CCB2	manganese	0.40 ug/L	0.40
PB1	potassium	7.10 mg/kg	35.5
CCB1	sodium	242 ug/L	242
CCB3	vanadium	0.40 ug/L	0.40

CCB = Continuing Calibration Blank, PB = Preparation Blank Soil (Soil)

All results greater than the IDL but less than 5X the blank amount (Action Level mg/kg for soil samples) for which the contaminated blank was an associated calibration or preparation blank were flagged as undetected (U).

IV.) ICP Interference Check Sample Results:

All Interference Check Sample criteria were met. No action was required.

V.) ICP Serial Dilution Analysis:

All Serial Dilution criteria were met, so no action was necessary.

VI.) Laboratory Control Samples (LCS):

The LCS Percent Recoveries (%R's) of the following compounds were outside the 80-120% QC limits:

aluminum	123%
barium	123%
potassium	323%
sodium	621%

All positive results for these analytes in samples of this SDG were flagged as estimated (J).

VII.) Duplicate Sample Analysis:

The Relative Percent Difference (RPD) for tin (39.3%) exceeded the 35% QC limit for duplicate sample 512SB00202MD. The positive and non-detect results for this analyte in all samples of this SDG were flagged as estimated (J) and (UJ).

VIII.) Matrix Spike Recoveries:

The Percent Recoveries (%R's) of antimony (54.2%), silver (74.4%) and selenium (70.2%) in sample 512SB00202MS were below the 75-125% QC limits. The positive and non-detect results for these analytes in all samples of this SDG were flagged as estimated (J) and (UJ).

IX.) Field Duplicates:

The field duplicate samples for 520CB00302, GRDCB01301 and GRDCB02302 were not contained in this SDG. No action was required.

X.) Sample Result, Calculation/Transcription Verification:

All criteria were met, so no action was taken.

XI.) Quarterly Verification of Instrumental Parameters:

All criteria were met, so no action was taken.

XII.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

CompuChem - 0007M Inorganics

SAMPLES: 044W001401, 044W001601, 044W001801, 044W001901, 044W001901MS, 044W001901MD, 044R001901, 044W002001, 044W002101, 044W002201

TOTAL METALS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) Calibration:

All Calibration criteria were met. No action was required.

III.) Blanks:

The following blank results represent the highest detections associated with the samples and were used for data qualification:

Blank Type/ID#	Analyte	Max. Conc.	Action Level ug/L
PB	aluminum	128 ug/L	640
CCB8	barium	0.60 ug/L	3.00
CCB2	beryllium	0.30 ug/L	1.50
CCB5	cadmium	0.30 ug/L	1.50
PB	calcium	64.5ug/L	323
CCB2	copper	0.90 ug/L	4.50
CCB5	lead	2.10 ug/L	10.5
CCB9	magnesium	23.6 ug/L	118
PB	potassium	73.4 ug/L	367
PB	sodium	649 ug/L	3250
CCB9	thallium	5.60 ug/L	28.0
PB	zinc	1.68 ug/L	8.40

CCB = Continuing Calibration Blank, PB = Preparation Blank Water (Water)

All results greater than the IDL but less than 5X the blank amount (Action Level ug/L for water samples) for which the contaminated blank was an associated calibration or preparation blank were flagged as undetected (U).

Arsenic in CCB3 had a negative result (-4.00 ug/L) with an absolute value greater than the IDL. All associated positive sample results less than 5X the absolute value of the negative blank result (20.0 ug/L) were flagged as estimated (J) and all non-detects were flagged as estimated (UJ).

IV.) ICP Interference Check Sample Results:

All Interference Check Sample criteria were met. No action was required.

V.) ICP Serial Dilution Analysis:

All Serial Dilution criteria were met, so no action was necessary.

VI.) Laboratory Control Samples (LCS):

The LCS Percent Recovery (%R) of silver (49.6%) was below the 80-120% QC limit. All positive and non-detect results for this analyte in the samples of this SDG were flagged as estimated (J) and (UJ).

VII.) Duplicate Sample Analysis:

The Relative Percent Difference (RPD) for aluminum (91.6%) exceeded the 20% QC limits for water duplicate sample 044W001901MD. All positive and non-detect results for this analyte in all samples for this SDG were flagged as estimated (J) and (UJ).

VIII.) Matrix Spike Recoveries:

The Percent Recovery (%R's) of aluminum (142%) exceeded the 75-125% QC limits for sample 044W001901MS. All positive results for this analyte in the samples of this SDG were flagged as estimated (J).

IX.) Field Duplicates:

The calculable Relative Percent Differences (RPD's) for field duplicate samples 044W001901 and 044R001901 were:

aluminum	81%
barium	2.2%
calcium	2.5%
chromium	30%
copper	42%
iron	18%
lead	20%
magnesium	1.8%
manganese	1.4%
potassium	22%
zinc	25%

The positive results for aluminum and copper, with RPD's which exceeded the 30% QC limit for water samples, were flagged as estimated (J) in samples 044W001901 and 044R001901.

X.) Sample Result, Calculation/Transcription Verification:

All criteria were met, so no action was taken.

XI.) Quarterly Verification of Instrumental Parameters:

All criteria were met, so no action was taken.

XII.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

CompuChem - 0009M Inorganics

SAMPLES: GRDSB01201, GRDSB01202, GRDSB01301, GRDSB01301MS, GRDSB01301MD, GRDSB01302, GRDSB02101, GRDSB02102, GRDSB02201, GRDSB02202, GRDSB02301, GRDSB02302, GRDSB02401, GRDSB02402, GRDSB03301, GRDSB03302, GRDSB03401, GRDSB03402, GRDSB03501, GRDSB03502, GRDSB03701, GRDSB03702

TOTAL METALS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) Calibration:

All Calibration criteria were met. No action was required.

III.) Blanks:

The following blank results represent the highest detections associated with the samples and were used for data qualification:

Blank Type/ID#	Analyte	Max. Conc.	Action Level mg/kg
CCB5	aluminum	57.3 ug/L	57.3
CCB3	barium	0.50 ug/L	0.50
CCB8	beryllium	0.40 ug/L	0.40
CCB1	cadmium	0.70 ug/L	0.70
CCB5	calcium	165 ug/L	165
CCB10	magnesium	43.9 ug/L	43.9
CCB1	nickel	1.70 ug/L	1.70
CCB3	potassium	23.3 ug/L	23.3
PB	sodium	30.6 mg/kg	153
CCB9	thallium	5.80 ug/L	5.80
CCB8	vanadium	0.60 ug/L	0.60

CCB = Continuing Calibration Blank, PB = Preparation Blank (Soil)

All results greater than the IDL but less than 5X the blank amount (Action Level mg/kg for soil samples) for which the contaminated blank was an associated calibration or preparation blank were flagged as undetected (U).

Copper in CCB2 had a negative result (-0.70 ug/L) with an absolute value greater than the IDL. All associated positive sample results less than 5X the absolute value of the negative blank result (0.70 mg/kg) were flagged as estimated (J) and all non-detects were flagged as estimated (UJ).

IV.) ICP Interference Check Sample Results:

All Interference Check Sample criteria were met. No action was required.

V.) ICP Serial Dilution Analysis:

All Serial Dilution criteria were met, so no action was necessary.

VI.) Laboratory Control Samples (LCS):

The LCS Percent Recoveries (%R's) of potassium (260%) and sodium (449%) exceeded the 80-120% QC limits. All associated positive sample results for these analytes were flagged as estimated (J).

VII.) Duplicate Sample Analysis:

The Relative Percent Difference (RPD) for calcium (51.3%) exceeded the 35% QC limit for the soil duplicate sample GRDSB01301MD. All positive and non-detect results for this analyte in the samples for this SDG were flagged as estimated (J) and (UJ).

VIII.) Matrix Spike Recoveries:

The Percent Recoveries (%R's) of antimony (61.2%), lead (59.1%), selenium (72.8%) and zinc (69.6%) in GRDSB01301MS were below the 75-125% QC limits. All positive and non-detect results for these analytes in the samples in this SDG were flagged as estimated (J) and (UJ).

IX.) Field Duplicates:

There were no field duplicate samples for this SDG. No action was required.

X.) Sample Result, Calculation/Transcription Verification:

All criteria were met, so no action was taken.

XI.) Quarterly Verification of Instrumental Parameters:

All criteria were met, so no action was taken.

XII.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422, Norcross, Ga. 30093

DATA VALIDATION SUMMARY REPORT

COMPANY:	Ensafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
PROJECT NUMBER:	8500.014
CONTRACTED LAB:	CompuChem Environmental Co.
QA/QC LEVEL:	Level III
EPA SOW/METHOD:	EPA 1990 SOW
VALIDATION GUIDELINES:	*Laboratory Data Validation Functional Guidelines for Evaluating Inorganics Analyses,* 1994; *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review,* 1994
SAMPLE MATRICES:	Soil and Water
TYPES OF ANALYSES:	Total Metals (Met)
SDG NUMBERS:	010MB, 0010MI, 0011MI, 0075M

SAMPLES:

SDG NUMBER: 010MB

Client Sample #:	Lab Sample #:	Matrix	Met
GRDEB01701	702504	Water	X
GRDDB01701	702546	Water	X

EB = EQUIPMENT BLANK, DB = DEIONIZED BLANK

SDG NUMBER: 0010MI

Client Sample #:	Lab Sample #:	Matrix	Met
047SB00301	703320	Soil	X
047SB00302	703321	Soil	X
047SB00401	703314	Soil	X
047CB00401	703326	Soil	X
047SB00402	703316	Soil	X

Client Sample #:	Lab Sample #:	Matrix	Met
047SB00801	703322	Soil	X
047SB00802	703327	Soil	X
047SB01101	703318	Soil	X
047SB01102	703317	Soil	X
047SB01201	703319	Soil	X
047SB01202	703339	Soil	X
047SB01301	703323	Soil	X
047SB01302	703324	Soil	X
047SB01501	703315	Soil	X
047SB01502	703313	Soil	X
513CB00202	702418	Soil	X
513SB00602	702391	Soil	X
GRDSB03502	702433	Soil	X
GRDSB00701	703440	Soil	X
GRDCB01701	702599	Soil	X
047SB01201MS	703319MS	Soil	X
047SB01201MD	703319MD	Soil	X

C = FIELD DUPLICATE, MS = MATRIX SPIKE, MD = MATRIX DUPLICATE

SDG NUMBER: 0011MI

Client Sample #:	Lab Sample #:	Matrix	Met
GRDSB01001	702562	Soil	X
GRDSB01002	702558	Soil	X
GRDSB01101	702571	Soil	X
GRDSB01401	703517	Soil	X
GRDSB01402	703518	Soil	X
GRDSB01501	702559	Soil	X
GRDSB01502	702560	Soil	X
GRDSB01601	702570	Soil	X
GRDSB01701	702572	Soil	X
GRDSB01801	703516	Soil	X
GRDSB01901	703514	Soil	X
GRDSB01902	703515	Soil	X
GRDSB02001	702563	Soil	X
GRDSB02002	702569	Soil	X
GRDSB02501	702454	Soil	X
GRDSB02502	702456	Soil	X
GRDSB02601	704087	Soil	X
GRDSB02602	704088	Soil	X
GRDSB03201	702447	Soil	X
GRDSB03202	702453	Soil	X
GRDSB01701MS	702572MS	Soil	X
GRDSB01701MD	702572MD	Soil	X

C = FIELD DUPLICATE, MS = MATRIX SPIKE, MD = MATRIX DUPLICATE

SDG NUMBER: 0075M

Client Sample #:	Lab Sample #:	Matrix	Met
044SB00101	689904	Soil	X
044SB00201	689914	SoiL	X
044SB00301	690119	Soil	X
044SB00401	690129	Soil	X
044SB00402	690131	Soil	X
044SB00501	690133	Soil	X
044SB00601	690135	Soil	X
044SB00701	690137	Soil	X
044SB00801	690139	Soil	X
044SB00301MS	690119MS	Soil	X
044SB00301MD	690119MD	Soil	X

MS = MATRIX SPIKE, MD = MATRIX DUPLICATE

DATA REVIEWER(S): Amy L. Hogan, Marvin L. Smith

RELEASE SIGNATURE:

Data Qualifier Definitions:

J	-	The associated numerical value is an estimated quantity.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

CompuChem - 010MB Inorganics

SAMPLES: GRDEB01701, GRDDB01701

TOTAL METALS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) Calibration:

All Calibration criteria were met. No action was required.

III.) Blanks:

The following blank results represent the highest detections associated with the samples:

Blank Type/ID#	Analyte	Max. Conc.	Action Level ug/L
CCB4	arsenic	4.60 ug/L	23.0
CCB2	barium	1.10 ug/L	5.50
CCB9	copper	1.50 ug/L	7.50
CCB9	magnesium	13.8 ug/L	69.0
PB	potassium	43.9 ug/L	220
PB	sodium	385 ug/L	1930

CCB = Continuing Calibration Blank, PB = Preparation Blank (Water)

Since the two associated samples were field blanks, data qualification was not required.

The following analyte had a negative result with an absolute value greater than the IDL:

Blank Type/ID#	Analyte	Neg. Conc.	5X Conc. (ug/L)
CCB9	aluminum	-37.6 ug/L	188

CCB = Continuing Calibration Blank

Since the two associated samples were field blanks, data qualification was not required.

IV.) ICP Interference Check Sample Results:

All Interference Check Sample criteria were met. No action was required.

V.) ICP Serial Dilution Analysis:

All Serial Dilution criteria were met, so no action was necessary.

VI.) Laboratory Control Samples (LCS):

All Laboratory Control Sample criteria were met. No action was required.

VIII.) Duplicate Sample Analysis:

No Duplicate sample analysis was requested for this SDG. No action was required.

VIIII.) Matrix Spike Recoveries:

No Matrix Spike analysis was requested for this SDG. No action was required.

IX.) Field Duplicates:

There were no field duplicate samples for this SDG. No action was required.

X.) Sample Result, Calculation/Transcription Verification:

All criteria were met, so no action was taken.

XI.) Quarterly Verification of Instrumental Parameters:

All criteria were met, so no action was taken.

XII.) Overall Assessment of Data/General:

All laboratory data were acceptable without qualification.

DATA QUALIFICATION SUMMARY

CompuChem - 0010MI Inorganics

SAMPLES: 047SB00301, 047SB00302, 047SB00401, 047CB00401, 047SB00402, 047SB00801, 047SB00802, 047SB01101, 047SB01102, 047SB01201, 047SB01201MS, 047SB012001MD, 047SB01202, 047SB01301, 047SB01302, 047SB0151, 047SB0152, 513CB00202, 513SB0062, GRDSB03502, GRDSB00701, GRDCB01701

TOTAL METALS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) Calibration:

All Calibration criteria were met. No action was required.

III.) Blanks:

The following blank results represent the highest detections associated with the samples and were used for data qualification:

Blank Type/ID#	Analyte	Max. Conc.	Action Level mg/kg
CCB8	aluminum	40.7 ug/L	40.7
CCB1	barium	0.60 ug/L	0.60
CCB4	beryllium	0.50 ug/L	0.50
CCB1	cadmium	0.60 ug/L	0.60
CCB4	calcium	51.6 ug/L	51.6
CCB1	cobalt	0.70 ug/L	0.70
CCB4	magnesium	38.4 ug/L	38.4
CCB2	manganese	0.50 ug/L	0.50
CCB4	potassium	24.8 ug/L	24.8
CCB6	sodium	254 ug/L	254
CCB1	vanadium	0.60 ug/L	0.60

CCB = Continuing Calibration Blank

All results greater than the IDL but less than 5X the blank amount (Action Level, mg/kg for soil samples) for which the contaminated blank was an associated calibration blank were flagged as undetected (U).

The following analytes had negative results with absolute values greater than the IDL's:

Blank Type/ID#	Analyte	Neg. Conc.	5X Conc. (mg/kg)
CCB5	arsenic	-4.10 ug/L	4.10
CCB7	copper	-0.70 ug/L	0.70
CCB7	zinc	-7.50 ug/L	7.50

CCB = Continuing Calibration Blank

All associated positive sample results less than 5X the absolute value of the negative blank result were flagged as estimated (J) and all non-detects were flagged as estimated (UJ).

IV.) ICP Interference Check Sample Results:

All Interference Check Sample criteria were met. No action was required.

V.) ICP Serial Dilution Analysis:

All Serial Dilution criteria were met, so no action was necessary.

VI.) Laboratory Control Samples (LCS):

The Percent Recoveries (%R's) of the following compounds exceeded the 80-120% QC limits for the associated LCS:

potassium	287%
sodium	534%

The positive results for these analytes in all samples for this SDG were flagged as estimated (J).

VIII.) Duplicate Sample Analysis:

The Relative Percent Difference (RPD) for calcium (38.1%) exceeded the 35% QC limit for sample 047SB01201MD. The results for this analyte in all samples for this SDG were flagged as estimated (J) and (UJ).

VIIII.) Matrix Spike Recoveries:

The Percent Recoveries (%R's) for antimony (62.3%) and selenium (71.3%) for sample 047SB01201MS were below the 75-125% QC limits. The results for these analytes in all samples for this SDG were flagged as estimated (J) and (UJ).

IX.) Field Duplicates:

The Relative Percent Differences (RPD's) for the following compounds were calculated for field duplicate samples 047SB00401 and 047CB00401:

aluminum	40%
barium	8.2%
beryllium	31%
chromium	30%
cobalt	55%
copper	34%
iron	34%
lead	3.0%
magnesium	25%
manganese	30%
nickel	63%
potassium	35%
sodium	5.8%
vanadium	23%
zinc	29%

The RPD for nickel exceeded the 60% QC limit for soil field duplicates. All positive sample results for nickel in these two samples were flagged as estimated (J). The RPD's for the other analytes met QC criteria, so no further action was necessary.

X.) Sample Result, Calculation/Transcription Verification:

All criteria were met, so no action was taken.

XI.) Quarterly Verification of Instrumental Parameters:

All criteria were met, so no action was taken.

XIII.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

CompuChem - 0011MI Inorganics

SAMPLES: GRDSB01001, GRDSB01002, GRDSB01101, GRDSB01401, GRDSB01402, GRDSB01501, GRDSB01502, GRDSB01601, GRDSB01701, GRDSB01801, GRDSB01901, GRDSB01902, GRDSB02001, GRDSB02002, GRDSB02501, GRDSB02502, GRDSB02601, GRDSB02602, GRDSB03201, GRDSB03202, GRDSB01701MS, GRDSB01701MD

TOTAL METALS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) Calibration:

All Calibration criteria were met. No action was required.

III.) Blanks:

The following blank results represent the highest detections associated with the samples and were used for data qualification:

Blank Type/ID#	Analyte	Max. Conc.	Action Level mg/kg
CCB8	aluminum	40.7 ug/L	40.7
CCB1	barium	0.60 ug/L	0.60
CCB4	beryllium	0.50 ug/L	0.50
CCB1	cadmium	0.60 ug/L	0.60
CCB4	calcium	51.6 ug/L	51.6
CCB1	cobalt	0.70 ug/L	0.70
PB	iron	1.90 mg/kg	9.50
CCB5	lead	2.40 ug/L	2.40
CCB4	magnesium	38.4 ug/L	38.4
CCB2	manganese	0.50 ug/L	0.50
CCB4	potassium	24.8 ug/L	24.8
CCB6	sodium	254 ug/L	254
CCB2	vanadium	0.60 ug/L	0.60

CCB = Continuing Calibration Blank, PB = Preparation Blank (Soil)

All results greater than the IDL but less than 5X the blank amount (Action Level, mg/kg for soil samples) for which the contaminated blank is an associated calibration or preparation blank were flagged as undetected (U).

The following analytes had negative results with absolute values greater than the IDL's:

Blank Type/ID#	Analyte	Neg. Conc.	5X Conc. (ug/L)
CCB5	arsenic	-4.10 ug/L	4.10
CCB7	copper	-0.70 ug/L	0.70
CCB7	zinc	-7.50 ug/L	7.50

CCB = Continuing Calibration Blank

All associated positive sample results less than 5X the absolute value of the negative blank result were flagged as estimated (J) and all non-detects were flagged as estimated (UJ).

IV.) ICP Interference Check Sample Results:

All Interference Check Sample criteria were met. No action was required.

V.) ICP Serial Dilution Analysis:

All Serial Dilution criteria were met, so no action was necessary.

VI.) Laboratory Control Samples (LCS):

The Percent Recoveries (%R's) for silver (72.1%), potassium (312%) and sodium (692%) were outside the 80-120% QC limits for the associated LCS. All positive and non-detect results for silver in the samples for this SDG were flagged as estimated (J) and (UJ). All positive results for potassium and sodium for the samples in this SDG were flagged as estimated (J).

VIII.) Duplicate Sample Analysis:

The Relative Percent Differences (RPD's) for the following analytes exceeded the 35% QC limit for soil duplicate sample GRDSB01701MD:

aluminum	38.2%
arsenic	127%
calcium	65.8%
copper	32.1%
iron	57.4%
magnesium	36.9%
manganese	52.6%

All positive and non-detect results for these analytes in the samples for this SDG were flagged as estimated (J) and (UJ).

VIIII.) Matrix Spike Recoveries:

The Percent Recoveries (%R's) for the following analytes were below the 75-125% QC limits for sample GRDSB01701MS:

antimony	45.4%
arsenic	66.5%
beryllium	67.1%
cadmium	74.2%
chromium	63.8%
cobalt	73.0%
lead	74.2%
manganese	38.7%
nickel	74.9%
selenium	63.1%
silver	69.3%
vanadium	62.8%
zinc	56.7%
tin	73.3%

All results for these analytes in the samples for this SDG were flagged as estimated (J) and (UJ).

VIX.) Field Duplicates:

There were no field duplicate samples for this SDG. No action was required.

X.) Sample Result, Calculation/Transcription Verification:

All criteria were met, so no action was taken.

XI.) Quarterly Verification of Instrumental Parameters:

All criteria were met, so no action was taken.

XIII.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

CompuChem - 0075M Inorganics

SAMPLES: 044SB00101, 044SB00201, 044SB00301, 044SB00301MS, 044SB00301MD, 044SB00401, 044SB00402, 044SB00501, 044SB00601, 044SB00701, 044SB00801

TOTAL METALS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) Calibration:

All Calibration criteria were met. No action was required.

III.) Blanks:

The following blank results represent the highest detections associated with the samples and were used for data qualification:

Blank Type/ID#	Analyte	Max. Conc.	Action Level mg/kg
CCB8	aluminum	63.6 ug/L	63.6
CCB10	antimony	2.60 ug/L	2.60
CCB2	barium	0.50 ug/L	0.50
CCB1	beryllium	0.20 ug/L	0.20
CCB14	calcium	46.6 ug/L	46.6
CCB6	copper	1.40 ug/L	1.40
CCB14	magnesium	34.6 ug/L	34.6
PB	potassium	3.06 mg/kg	15.3
CCB6	sodium	194 ug/L	194

CCB = Continuing Calibration Blank, PB = Preparation Blank (Soil)

All results greater than the IDL but less than 5X the blank amount (Action Level, mg/kg for soil samples) for which the contaminated blank is an associated calibration or preparation blank were flagged as undetected (U).

Zinc in the soil preparation blank had a negative result (-0.08us/ks) with an absolute value greater than the IDL.

There were no associated positive sample results less than 5X the absolute value of the negative blank result. No action was necessary.

IV.) ICP Interference Check Sample Results:

All Interference Check Sample criteria were met. No action was required.

V.) ICP Serial Dilution Analysis:

All Serial Dilution criteria were met, so no action was necessary.

VI.) Laboratory Control Samples (LCS):

The LCS Percent Recoveries (%R's) of potassium (239%), silver (76.1%) and sodium (577%) were outside the 80-120% QC limits. All positive and non-detect results for silver in the samples for this SDG were flagged as estimated (J) and (UJ). All associated positive sample results for potassium and sodium were flagged as estimated (J).

VIII.) Duplicate Sample Analysis:

The Relative Percent Differences (RPD's) for the following analytes exceeded the 35% QC limit for the soil duplicate sample 044SB00301MD:

arsenic	57.2%
calcium	36.6%
copper	30.4%
mercury	70.6%

All positive and non-detect results for these analytes in the samples of this SDG were flagged as estimated (J) and (UJ).

VIII.) Matrix Spike Recoveries:

The Percent Recoveries (%R's) of the following analytes were outside the 75-125% QC limits for sample 044SB00301MS:

antimony	46.3%
beryllium	74.1%
chromium	129%
manganese	129%
mercury	181%
selenium	69.1%
silver	56.4%

The positive results for chromium, manganese and mercury in all samples of this SDG were flagged as estimated (J). The positive and non-detect results for antimony, beryllium, selenium and silver in the samples of this SDG were flagged as estimated (J) and (UJ).

IX.) Field Duplicates:

There were no field duplicate samples in this SDG. No action was required.

X.) Sample Result, Calculation/Transcription Verification:

All criteria were met, so no action was taken.

XI.) Quarterly Verification of Instrumental Parameters:

All criteria were met, so no action was taken.

XII.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422 Norcross, Ga. 30093

DATA VALIDATION SUMMARY REPORT

COMPANY:	Ensafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
PROJECT NUMBER:	8500.014
CONTRACTED LAB:	CompuChem Environmental Co.
QA/QC LEVEL:	Level III
EPA SOW/METHOD:	EPA 1990 SOW
VALIDATION GUIDELINES:	*Laboratory Data Validation Functional Guidelines for Evaluating Inorganics Analyses,* 1994; *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review,* 1994
SAMPLE MATRICES:	Soil and Water
TYPES OF ANALYSES:	Total Metals
SDG NUMBERS:	001MBI, 0001MI, 0002MI, 0003M, 004MB, 0004MI

SAMPLES:

SDG NUMBER: 001MBI

Client Sample #:	Lab Sample #:	Matrix	Metals
GRDEB00201	689887	Water	X
GRDDB00201	689901	Water	X

EB = EQUIPMENT BLANK, DB DEIONIZED BLANK

SDG NUMBER: 0001MI

Client Sample #:	Lab Sample #:	Matrix	Metals
044CB00701	690186	Soil	X
510SB00101	690159	Soil	X
510SB00102	690164	Soil	X
510SB00201	690193	Soil	X
510SB00202	690154	Soil	X

Client Sample #:	Lab Sample #:	Matrix	Metals
510SB00501	690143	Soil	X
510SB00502	690149	Soil	X
510CB00502	690177	Soil	X
512SB00101	690513	Soil	X
512SB00201	690544	Soil	X
512SB00202	690545	Soil	X
512SB00301	690504	Soil	X
512CB00301	690548	Soil	X
512SB00401	690509	Soil	X
512SB00501	690495	Soil	X
512SB00601	690543	Soil	X
GRDSB00101	690546	Soil	X
GRDSB00102	690547	Soil	X
GRDSB00201	689925	Soil	X
GRDSB00601	691083	Soil	X
512CB00301MS	690548MS	Soil	X
512CB00301MD	690548MD	Soil	X

C = FIELD DUPLICATE, MS = MATRIX SPIKE, MD = MATRIX DUPLICATE

SDG NUMBER: 0002MI

Client Sample #:	Lab Sample #:	Matrix	Metals
508SB00101	692020	Soil	X
508SB00201	692033	Soil	X
508SB00301	692026	Soil	X
508SB00401	692063	Soil	X
508SB00402	692049	Soil	X
508SB00501	692013	Soil	X
508SB00601	692039	Soil	X
511SB00101	692141	Soil	X
511SB00102	692162	Soil	X
511SB00201	692195	Soil	X
511SB00202	692153	Soil	X
511SB00302	692178	Soil	X
511SB00401	692102	Soil	X
511SB00502	692189	Soil	X
511CB00502	692110	Soil	X
511SB00601	692003	Soil	X
GRDSB00301	691120	Soil	X
GRDSB00501	691100	Soil	X
GRDSB00801	691126	Soil	X
GRDSB00802	691132	Soil	X
511CB00502MS	692110MS	Soil	X
511CB00502MD	692110MD	Soil	X

C = FIELD DUPLICATE, MS = MATRIX SPIKE, MD = MATRIX DUPLICATE

SDG NUMBER: 0003M

Client Sample #:	Lab Sample #:	Matrix	Metals
047SB00501	697011	Soil	X
047SB00502	697017	Soil	X
047SB00601	697023	Soil	X
508CB00601	692244	Soil	X
511SB00301	692212	Soil	X
511SB00501	692251	Soil	X
511SB00602	692232	Soil	X
GRDSB00901	696973	Soil	X
GRDSB00902	697006	Soil	X
GRDSB00901MS	696973MS	Soil	X
GRDSB00901MD	696973MD	Soil	X

C = FIELD DUPLICATE, MS = MATRIX SPIKE, MD = MATRIX DUPLICATE

SDG NUMBER: 004MB

Client Sample #:	Lab Sample #:	Matrix	Metals
523EB00202	697938	Water	X
523DB00202	697913	Water	X

EB = EQUIPMENT BLANK, DB = DEIONIZED BLANK

SDG NUMBER: 0004MI

Client Sample #:	Lab Sample #:	Matrix	Metals
047SB00101	697958	Soil	X
047SB00102	697978	Soil	X
047SB00201	697984	Soil	X
517SB00101	698366	Soil	X
517SB00102	698371	Soil	X
517SB00201	698348	Soil	X
517SB00202	698353	Soil	X
517CB00202	698360	Soil	X
517SB00301	698338	Soil	X
517SB00302	698343	Soil	X
517SB00401	698314	Soil	X
517SB00402	698319	Soil	X
517SB00501	698324	Soil	X
517SB00502	698333	Soil	X
518SB00401	698994	Soil	X
523SB00101	697996	Soil	X
523SB00102	698008	Soil	X

Client Sample #:	Lab Sample #:	Matrix	Metals
523SB00201	698002	Soil	X
523SB00202	697990	Soil	X
523CB00202	698014	Soil	X
518SB00401MS	698994MS	Soil	X
518SB00401MD	698994MD	Soil	X

C = FIELD DUPLICATE, MS = MATRIX SPIKE, MD = MATRIX DUPLICATE

DATA REVIEWER(S): Amy L. Hogan, Marvin L. Smith

RELEASE SIGNATURE:

Data Qualifier Definitions:

J	-	The associated numerical value is an estimated quantity.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

CompuChem - 001MBI Inorganics

SAMPLES: GRDEB00201, GRDDB00201

TOTAL METALS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) Calibration:

All Calibration criteria were met. No action was required.

III.) Blanks:

The following blank results represent the highest detections associated with the samples:

Blank Type/ID#	Analyte	Max. Conc.	Action Level ug/L
PB	aluminum	60.0 ug/L	300
CCB2	antimony	2.10 ug/L	10.5
CCB2	barium	0.90 ug/L	4.50
CCB2	beryllium	0.20 ug/L	1.00
CCB2	calcium	40.6 ug/L	203
CCB2	cobalt	0.70 ug/L	3.50
CCB2	magnesium	32.8 ug/L	164
PB	potassium	53.1 ug/L	266
PB	sodium	416 ug/L	2080
CCB2	vanadium	0.70 ug/L	3.50

CCB = Continuing Calibration Blank, PB = Preparation Blank (Water)

Since both samples in this SDG were field blanks, no data qualification was required.

The following analyte had negative results with absolute values greater than the IDL's:

Blank Type/ID#	Analyte	Neg. Conc.	5X Conc. (ug/L)
CCB8	arsenic	-4.00 ug/L	20.0
PB	copper	-4.39 ug/L	22.0
PB	zinc	-1.40 ug/L	7.00

CCB = Continuing Calibration Blank, PB = Water Preparation Blank

Since both samples in this SDG were field blanks, no data qualification were required.

IV.) ICP Interference Check Sample Results:

All Interference Check Sample criteria were met. No action was required.

V.) ICP Serial Dilution Analysis:

All Serial Dilution criteria were met, so no action was necessary.

VI.) Laboratory Control Samples (LCS):

All Laboratory Control Sample criteria were met. No action was required.

VII.) Duplicate Sample Analysis:

No Duplicate Sample Analysis was requested for this SDG. No action was necessary.

VIII.) Matrix Spike Recoveries:

No Matrix Spike analysis was requested for this SDG. No action was required.

IX.) Field Duplicates:

There were no field duplicate samples for this SDG. No action was required.

X.) Sample Result, Calculation/Transcription Verification:

All criteria were met, so no action was taken.

XI.) Quarterly Verification of Instrumental Parameters:

All criteria were met, so no action was taken.

XII.) Overall Assessment of Data/General:

All laboratory data were acceptable without qualification.

DATA QUALIFICATION SUMMARY

CompuChem - 0001MI Inorganics

SAMPLES: 044CB00701, 510SB00101, 510SB00102, 510SB00201, 510SB00202, 510SB00501, 510SB00502, 510CB00502, 512SB00101, 512SB00201, 512SB00202, 512SB00301, 512CB00301, 512SB00401, 512SB00501, 512SB00601, GRDSB00101, GRDSB00102, GRDSB00201, GRDSB00601, 512CB00301MS, 512CB00301MD

TOTAL METALS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) Calibration:

All Calibration criteria were met. No action was required.

III.) Blanks:

The following blank results represent the highest detections associated with the samples and were used for data qualification:

Blank Type/ID#	Analyte	Max. Conc.	Action Level mg/kg
CCB10	aluminum	77.8 ug/L	77.8
CCB2	antimony	2.20 ug/L	2.20
CCB4	barium	0.30 ug/L	0.30
CCB2	beryllium	0.20 ug/L	0.20
CCB8	calcium	33.1 ug/L	33.1
CCB10	magnesium	39.1 ug/L	39.1
CCB8	sodium	244 ug/L	244

CCB = Continuing Calibration Blank

All results greater than the IDL but less than 5X the blank amount (Action Level mg/kg for soil samples) for which the contaminated blank was an associated calibration blank were flagged as undetected (U).

The following analyte had negative results with absolute values greater than the IDL's:

Blank Type/ID#	Analyte	Neg. Conc.	5X Conc. (mg/kg)
CCB5	chromium	-8.10 ug/L	8.10
CCB8	copper	-2.60 ug/L	2.60
CCB2	iron	-28.3 ug/L	28.3
CCB5	nickel	-6.8 ug/L	6.80

CCB = Continuing Calibration Blank

All associated positive sample results less than 5X the absolute value of the negative blank result were flagged as estimated (J) and all non-detects were flagged as estimated (UJ).

IV.) ICP Interference Check Sample Results:

All Interference Check Sample criteria were met. No action was required.

V.) ICP Serial Dilution Analysis:

All Serial Dilution criteria were met, so no action was necessary.

VI.) Laboratory Control Samples (LCS):

The Percent Recoveries (%R's) of the following compounds were outside the 80-120% QC limit for the associated LCS:

potassium	168%
silver	72.1%
sodium	438%

The results for silver in all samples for this SDG, which consisted entirely of non-detects, were flagged as estimated (UJ). The positive results for potassium and sodium in the samples for this SDG were flagged as estimated (J).

VII.) Duplicate Sample Analysis:

The Relative Percent Difference (RPD) for lead (68.8%) exceeded the 35% QC limit for duplicate sample 512CB00301MD. The results for this analyte in all samples in this SDG were flagged as estimated (J) and (UJ).

VIII.) Matrix Spike Recoveries:

The Percent Recoveries (%R's) for antimony (36.3%) and selenium (70.2%) for sample 512CB00301MS were below the 75-125% QC limit. The results for these analytes in all samples in this SDG were flagged as estimated (J) and (UJ).

IX.) Field Duplicates:

The Relative Percent Differences (RPD's) for the following analytes were calculated for field duplicate samples 510SB00502 and 510CB00502:

aluminum	24%
barium	17%
calcium	0.9%
chromium	27%
cobalt	43%
copper	3.8%
iron	7.4%
lead	25%
magnesium	46%
manganese	9.4%
potassium	45%
sodium	23%
vanadium	28%

Since all RPD's met the 60% QC limit for soil samples, no action was necessary.

The Relative Percent Differences (RPD's) for the following analytes were calculated for field duplicate samples 512SB00301 and 512CB00301:

aluminum	49%
arsenic	24%
barium	21%
beryllium	24%
calcium	31%
chromium	32%
cobalt	27%
iron	28%
lead	13%
magnesium	30%
manganese	11%
nickel	26%
potassium	45%
selenium	2.9%
sodium	20%
vanadium	22%
zinc	16%

Since all RPD's met the 60% QC limit for soil samples, no action was necessary.

X.) Sample Result, Calculation/Transcription Verification:

All criteria were met, so no action was taken.

XI.) Quarterly Verification of Instrumental Parameters:

All criteria were met, so no action was taken.

XII.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

CompuChem - 0002MI Inorganics

SAMPLES: 508SB00101, 508SB00201, 508SB00301, 508SB00401, 508SB00402, 508SB00501, 508SB00601, 511SB00101, 511SB00102, 511SB00201, 511SB00202, 511SB00302, 511SB00401, 511SB00502, 511CB00502, 511CB00502MS, 511CB00502MD, 511SB00601, GRDSB00301, GRDSB00501, GRDSB00801, GRDSB00802

TOTAL METALS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) Calibration:

All Calibration criteria were met. No action was required.

III.) Blanks:

The following blank results represent the highest detections associated with the samples and were used for data qualification:

Blank Type/ID#	Analyte	Max. Conc.	Action Level mg/kg
CCB2	aluminum	38.9 ug/L	38.9
CCB6	barium	0.30 ug/L	0.30
CCB6	beryllium	0.20 ug/L	0.20
CCB11	calcium	25.8 ug/L	25.8
CCB11	magnesium	20.9 ug/L	20.9
PB	potassium	6.68 ug/L	6.68
CCB11	sodium	233 ug/L	233

CCB = Continuing Calibration Blank, PB = Preparation Blank (Soil)

All results greater than the IDL but less than 5X the blank amount (Action Level mg/kg for soil samples) for which the contaminated blank was an associated calibration or preparation blank were flagged as undetected (U).

Copper in CCB3 had a negative result (-0.90 ug/L) with an absolute value greater than the IDL.

All associated positive sample results less than 5X the absolute value of the negative blank result (0.90 mg/kg) were flagged as estimated (J) and all non-detects were flagged as estimated (UJ).

IV.) ICP Interference Check Sample Results:

All Interference Check Sample criteria were met. No action was required.

V.) ICP Serial Dilution Analysis:

All Serial Dilution criteria were met, so no action was necessary.

VI.) Laboratory Control Samples (LCS):

The LCS Percent Recoveries (%R's) of potassium (295%) and sodium (555%) exceeded the 80-120% QC limits. All associated positive sample results were flagged as estimated (J).

VII.) Duplicate Sample Analysis:

All Duplicate Sample criteria were met. No action was necessary.

VIII.) Matrix Spike Recoveries:

The Percent Recoveries (%R's) of antimony (53.9%), selenium (72.0%) and silver (74.8%) were below the 75-125% QC limits for duplicate sample 511CB00502MS. All positive and non-detect results for these analytes in the samples in this SDG were flagged as estimated (J) and (UJ).

IX.) Field Duplicates:

The calculable Relative Percent Differences (RPD's) for field duplicate samples 511SB00502 and 511CB00502 were:

aluminum	12%
barium	11%
calcium	7.5%
chromium	9.5%
cobalt	21%
copper	33%
lead	22%
magnesium	31%
manganese	16%
nickel	31%
potassium	40%
sodium	8.5%
vanadium	14%
zinc	53%
tin	18%

Since all RPD's met the 60% QC limit for soil samples, no action was necessary.

X.) Sample Result, Calculation/Transcription Verification:

All criteria were met, so no action was taken.

XI.) Quarterly Verification of Instrumental Parameters:

All criteria were met, so no action was taken.

XII.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

COMPUCHEM - 0003M Inorganics

SAMPLES: 047SB00501, 047SB00502, 047SB00601, 508CB00601, 511SB00301, 511SB00501, 511SB00602, GRDSB00901, GRDSB00901MS, GRDSB00901MD, GRDSB00902

TOTAL METALS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) Calibration:

All Calibration criteria were met. No action was required.

II.) Blanks:

The following blank results represent the highest detections associated with the samples and were used for data qualification:

Blank Type/ID#	Element	Max. Conc.	Action Level mg/kg
CCB1	aluminum	34.4 ug/L	34.4
CCB1	antimony	2.60 ug/L	2.60
CCB9	arsenic	5.80 ug/L	5.80
CCB1	barium	0.40 ug/L	0.40
CCB1	beryllium	0.30 ug/L	0.30
CCB2	cadmium	0.40 ug/L	0.40
CCB2	calcium	33.6 ug/L	33.6
CCB2	copper	1.10 ug/L	1.10
CCB9	magnesium	25.1 ug/L	25.1
CCB3	manganese	0.40 ug/L	0.40
PB1	potassium	15.5 mg/kg	77.5
PB1	sodium	72.3 mg/kg	362
CCB2	thallium	5.90 ug/L	5.90
PB2	zinc	0.15 ug/L	0.15
CCB8	tin	7.50 ug/L	7.50

CCB = Continuing Calibration Blank, PB1 = Soil Preparation Blank,
PB2 = Water Preparation Blank

All results greater than the IDL but less than 5X the blank amount (Action Level, mg/kg for soil samples) for which the contaminated blank was an associated calibration or preparation blank were flagged as undetected (U).

IV.) ICP Interference Check Sample Results:

All Interference Check Sample criteria were met. No action was required.

V.) ICP Serial Dilution Analysis:

All Serial Dilution criteria were met, so no action was necessary.

VI.) Laboratory Control Samples (LCS):

The LCS Percent Recoveries (%R's) of antimony (123%), potassium (280%) and sodium (610%) exceeded the 80-120% QC limits. All associated positive sample results for these analytes were flagged as estimated (J).

VII.) Duplicate Sample Analysis:

All Duplicate Sample criteria were met. No action was necessary.

VIII.) Matrix Spike Recoveries:

The Percent Recoveries (%R's) of antimony (41.5%), selenium (68.9%) and silver (66.0%) were below the 75-125% QC limits for sample GRDSB00901MS. All positive and non-detect results for these analytes in the samples in this SDG were flagged as estimated (J) and (UJ).

IX.) Field Duplicates:

The calculable Relative Percent Differences (RPD's) for field duplicete samples 508SB00601 (analyzed in SDG 0002MI) and 508CB00601 were:

aluminum	3.6%
arsenic	19%
barium	2.4%
calcium	27%
chromium	33%
copper	12%
iron	1.7%
lead	12%
manganese	5.8%
mercury	12%
selenium	17%
vanadium	24%
zinc	13%

Since all RPD's were within the 60% QC limit for soil samples, no action was required.

X.) Sample Result, Calculation/Transcription Verification:

All criteria were met, so no action was taken.

XI.) Quarterly Verification of Instrumental Parameters:

All criteria were met, so no action was taken.

XII.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

CompuChem - 0004MB Inorganics

SAMPLES: 523EB00202, 523DB00202

TOTAL METALS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) Calibration:

All Calibration criteria were met. No action was required.

III.) Blanks:

The following blank results represent the highest detections associated with the samples:

Blank Type/ID#	Element	Max. Conc.	Action Level ug/L
PB	aluminum	75.6 ug/L	378
CCB4	arsenic	4.60 ug/L	23.0
CCB2	barium	1.10 ug/L	5.50
CCB10	cadmium	0.40 ug/L	2.00
CCB11	calcium	36.8 ug/L	184
CCB9	copper	1.50 ug/L	7.50
CCB15	magnesium	31.9 ug/L	160
CCB7	manganese	0.50 ug/L	2.50
PB	potassium	79.5 ug/L	398
PB	sodium	554 ug/L	2770
CCB12	thallium	6.30 ug/L	31.5
CCB2	vanadium	0.40 ug/L	2.00

CCB = Continuing Calibration Blank, PB = Water Preparation Blank

Since both associated samples were field blanks, no action was taken.

IV.) ICP Interference Check Sample Results:

All Interference Check Sample criteria were met. No action was required.

V.) ICP Serial Dilution Analysis:

All Serial Dilution criteria were met, so no action was necessary.

VI.) Laboratory Control Samples (LCS):

All Laboratory Control Sample criteria were met. No action was required.

VII.) Duplicate Sample Analysis:

No Duplicate Sample Analysis was requested. No action was necessary.

VIII.) Matrix Spike Recoveries:

No Matrix Spike Analysis was requested. No action was required.

IX.) Field Duplicates:

There were field duplicate samples in this SDG. No action was required.

X.) Sample Result, Calculation/Transcription Verification:

All criteria were met, so no action was taken.

XI.) Quarterly Verification of Instrumental Parameters:

All criteria were met, so no action was taken.

XII.) Overall Assessment of Data/General:

All laboratory data were acceptable without qualification.

DATA QUALIFICATION SUMMARY

CompuChem - 004MI Inorganics

SAMPLES: 047SB00101, 047SB00102, 047SB00201, 517SB00101, 517SB00102, 517SB00201, 517SB00202, 517CB00202, 517SB00301, 517SB00302, 517SB00401, 517SB00402, 517SB00501, 517SB00502, 518SB00401, 523SB00101, 523SB00102, 523SB00201, 523SB00202, 523CB00202, 518SB00401MS, 518SB00401MD

TOTAL METALS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) Calibration:

All Calibration criteria were met. No action was required.

III.) Blanks:

The following blank results represent the highest detections associated with the samples and were used for data qualification:

Blank Type/ID#	Analyte	Max. Conc.	Action Level mg/kg
CCB5	aluminum	57.3 ug/L	57.3
CCB3	barium	0.50 ug/L	0.50
CCB7	beryllium	0.40 ug/L	0.40
CCB1	cadmium	0.70 ug/L	0.70
CCB5	calcium	165 ug/L	165
CCB10	magnesium	43.9 ug/L	43.9
CCB8	manganese	0.80 ug/L	0.80
CCB1	nickel	1.70 ug/L	1.70
CCB3	potassium	23.3 ug/L	23.3
PB	sodium	47.8 mg/kg	239
CCB10	vanadium	0.70 ug/L	0.70
CCB5	zinc	1.50 ug/L	1.50

CCB = Continuing Calibration Blank, PB = Preparation Blank (Soil)

All results greater than the IDL but less than 5X the blank amount (Action Level, mg/kg for soil samples) for which the contaminated blank was an associated calibration or preparation blank were flagged as undetected (U).

The following analyte had a negative result with an absolute value greater than the IDL:

Blank Type/ID#	Analyte	Neg. Conc.	5X Conc. (mg/kg)
CCB5	copper	-0.80 ug/L	0.80

CCB = Continuing Calibration Blank

All associated positive sample results less than 5X the absolute value of the negative blank result were flagged as estimated (J) and all non-detects were flagged as estimated (UJ).

IV.) ICP Interference Check Sample Results:

All Interference Check Sample criteria were met. No action was required.

V.) ICP Serial Dilution Analysis:

All Serial Dilution criteria were met, so no action was necessary.

VI.) Laboratory Control Samples (LCS):

All Laboratory Control Sample criteria were met. No action was required.

VII.) Duplicate Sample Analysis:

The Relative Percent Differences (RPD's) for copper (198%), zinc (49.1%) and tin (150%) exceeded the 35% QC limit for soil duplicate sample 518SB00401MD. All positive and non-detect results for these analytes in the samples in this SDG were flagged as estimated (J) and (UJ).

VIII.) Matrix Spike Recoveries:

The Percent Recoveries (%R's) of the following analytes were below the 75-125% QC limits for sample 518SB00401MS:

antimony	60.3%
lead	52.2%
selenium	72.6%
zinc	0.20%
tin	73.3%

The %R for zinc was below the 30% QC limit. All sample results for zinc in all samples in this SDG, which consisted entirely of positive results, were flagged as estimated (J). The positive and non-detect results for the remaining analytes in all samples in this SDG were flagged as estimated (J) and (UJ).

IX.) Field Duplicates:

The calculable Relative Percent Differences (RPD's) for field duplicate samples 517SB00202 and 517CB00202 were:

aluminum	11.5%
barium	17.4%
beryllium	10%
calcium	180%
chromium	6.3%
cobalt	20%
copper	9.5%
iron	12%
lead	13%
magnesium	79%
manganese	77%
nickel	24%
potassium	58%
sodium	20%
vanadium	15%
zinc	25%

The RPD's for calcium, manganese and magnesium exceeded the 60% QC limit for soil field duplicates. The positive results for these three analytes in the two field duplicate samples were flagged as estimated (J). The RPD's for the remaining analytes met the 60% QC limit, so no further action was required.

The Calculable Relative Percent Differences (RPD's) for field duplicate samples 523SB00202 and 523CB00202 were:

aluminum	23%
barium	19%
beryllium	4.0%
calcium	32%
chromium	33%
cobalt	9.2%
copper	56%
iron	18%
lead	129%
magnesium	30%
manganese	12%
nickel	25%
potassium	15%
sodium	26%
vanadium	13%
zinc	57%
tin	21%

The RPD for lead exceeded the 60% QC limit for soil samples. The positive results for lead in the two samples were flagged as estimated (J). All RPD criteria were met for the remaining analytes, so no further action was necessary.

X.) Sample Result, Calculation/Transcription Verification:

All criteria were met, so no action was taken.

XI.) Quarterly Verification of Instrumental Parameters:

All criteria were met, so no action was taken.

XII.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422, Norcross, GA 30093

(770) 923-3890
(770) 923-8769 (Fax)

DATA VALIDATION SUMMARY REPORT

COMPANY:	Ensafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
PROJECT NUMBER:	8500.014
CONTRACTED LAB:	CompuChem Environmental Corp.
QA/QC LEVEL:	Level III
EPA SOW/METHOD:	EPA 1990 SOW
VALIDATION GUIDELINES:	*USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review*, 1994
SAMPLE MATRICES:	Soil and Water
TYPES OF ANALYSES:	Total Metals
SDG NUMBERS:	21518M, 21521M, 50022M

SAMPLES:

SDG NUMBER: 21518M

Client Sample #:	Lab Sample #:	Matrix	Metals
044GW00101	731435	Water	X
044GW00201	731434	Water	X
044GW00301	731433	Water	X
044GW00401	731409	Water	X
044GW00501	731428	Water	X
044GW00701	731943	Water	X
044GW00801	731953	Water	X
044HW00401	731374	Water	X
047GW00401	733200	Water	X
047GW00601	732740	Water	X
047GW01101	732713	Water	X
047HW00501	731866	Water	X
523GW00101	732766	Water	X
523HW00101	732775	Water	X
044GW00401MD	731378MD	Water	X
044GW00401MS	731376/731375MS	Water	X

H = FIELD DUPLICATE, MD = MATRIX DUPLICATE, MS = MATRIX SPIKE

SDG NUMBER: 21521M

Client Sample #:	Lab Sample #:	Matrix	Metals
GDCCB04501	736420	Soil	X
GDCSB03801	737129	Soil	X
GDCSB03802	737186	Soil	X
GDCSB04101	736736	Soil	X
GDCSB04201	736739	Soil	X
GDCSB04301	736745	Soil	X
GDCSB04401	736788	Soil	X
044SB02301	736434	Soil	X
044SB02401	736435	Soil	X
508SB00701	736396	Soil	X
508SB00801	736399	Soil	X
508SB00901	736402	Soil	X
511SB00701	736382	Soil	X
511SB00801	736387	Soil	X
511SB00901	736388	Soil	X
511SB01001	736389	Soil	X
518CB00601	736705	Soil	X
518SB00801	736722	Soil	X
518SB00901	736723	Soil	X
518SB01001	736725	Soil	X
GDCSB03801MD	736386MS	Soil	X
GDCSB03801MS	736384/736383MS	Soil	X

MD = MATRIX DUPLICATE, MS = MATRIX SPIKE

SDG NUMBER: 50022M

Client Sample #:	Lab Sample #:	Matrix	Metals
GRCSB03901	737225	Soil	X
GRCSB03902	737243	Soil	X
GRCSB04001	737248	Soil	X
GRCSB03901MD	737229MD	Soil	X
GRCSB03901MS	737227/737226MS	Soil	X

MD = MATRIX DUPLICATE, MS = MATRIX SPIKE

DATA REVIEWER(S): Kent F. Pan, Ph. D., Marvin L. Smith, Jean M. Delashmit

RELEASE SIGNATURE:

Data Qualifier Definitions

J	-	The association numerical value is an estimated quantity.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 21518M Inorganics

SAMPLES: 044GW00101, 044GW00201, 044GW00301, 044GW00401, 044GW00501, 044GW00701, 044GW00801, 044HW00401, 047GW00401, 047GW00601, 047GW01101, 047HW00501, 523GW00101, 523HW00101, 044GW00401MD, 044GW00401MS

TOTAL METALS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) Calibration:

All Calibration criteria were met. No action was required.

III.) Blanks:

The following blank results represent the highest detections associated with the samples and were used for data qualification:

Blank Type/ID#	Analyte	Max. Conc. ug/L	Action Level ug/L
CCB	barium	0.40	2.00
CCB	beryllium	0.50	2.50
CCB	cadmium	0.50	2.50
CCB	calcium	56.9	285
CCB	magnesium	33.4	167
PBW	sodium	345	1725
CCB	vanadium	0.80	4.00
PBW	zinc	2.19	11.0

CCB = Continuing Calibration Blank, PBW = Preparation Blank Soil (Water)

All results greater than the IDL but less than 5X the blank amount (Action Level, ug/L for water samples) for which the contaminated blank was an associated calibration or preparation blank were flagged as undetected (U).

The following analytes had negative results with absolute values greater than the IDL:

Blank Type/ID#	Analyte	Max. Conc. ug/L	Action Level ug/L
CCB	aluminum	-26.3	132
ICB	manganese	-0.50	2.50
ICB	sodium	-223	1115

CCB = Continuing Calibration Blank, ICB = Initial Calibration Blank

All associated positive sample results less than 5X the absolute value of the negative blank result were flagged as estimated (J) and all non-detects were flagged as estimated (UJ).

IV.) ICP Interference Check Sample Results:

All Interference Check Sample criteria were met. No action was required.

V.) ICP Serial Dilution Analysis:

The Serial Dilution Percent Differences (%D's) for barium (14.7%), calcium (10.6%) and potassium (19.2%) exceeded the 10% QC limit in sample 044GW00401L. All positive results for these analytes in the associated water samples were flagged as estimated (J).

VI.) Laboratory Control Samples (LCS):

All LCS Percent Recovery criteria were met. No action was taken.

VII.) Duplicate Sample Analysis:

The Relative Percent Differences (RPD's) for lead (59.1%) and zinc (103%) exceeded the 20% QC limit for duplicate sample 044GW00401MD. The positive and non-detect results for these analytes in all samples this SDG were flagged as estimated (J) and (UJ).

VIII.) Matrix Spike Recoveries:

The Percent Recovery (%R) of aluminum in spiked sample 044GW00401MS was 164%, which exceeded the 75-125% QC limits. The positive results for this analyte in all samples in this SDG were flagged as estimated (J).

IX.) Field Duplicates:

Field duplicate sample pairs 044GW00401 / 044HW00401 and 523GW00101 / 523HW00101 were analyzed by the laboratory. The Relative Percent Differences (RPD's) for the following metals exceeded the 30% QC limit for water samples:

Analyte	044GW00401, ug/L	044HW00401, ug/L	RPD
lead	12.6	6.7	61
zinc	113	28.3	120

All positive results for these metals in the associated field duplicate samples were flagged as estimated (J).

X.) Sample Result, Calculation/Transcription Verification:

All criteria were met, so no action was taken.

XI.) Quarterly Verification of Instrumental Parameters:

All criteria were met, so no action was taken.

XII.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 21521M Inorganics

SAMPLES: GDCCB04501, GDCSB03801, GDCSB03802, GDCSB04101, GDCSB04201, GDCSB04301, GDCSB04401, 044SB02301, 044SB02401, 508SB00701, 508SB00801, 508SB00901, 511SB00701, 511SB00801, 511SB00901, 511SB01001, 518CB00601, 518SB00801, 518SB00901, 518SB01001, GDCSB03801MD, GDCSB03801MS

TOTAL METALS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) Calibration:

All Calibration criteria were met. No action was required.

III.) Blanks:

The following blank results represent the highest detections associated with the samples and were used for data qualification:

Blank Type/ID#	Analyte	Max. Conc.	Action Level mg/kg
CCB	aluminum	57.0 ug/L	57.0
CCB	arsenic	3.50 ug/L	3.50
CCB	barium	0.50 ug/L	0.50
CCB	beryllium	0.70 ug/L	0.70
CCB	cadmium	0.40 ug/L	0.40
CCB	calcium	80.8 ug/L	80.0
CCB	copper	0.90 ug/L	0.90
CCB	magnesium	79.2 ug/L	79.2
CCB	potassium	24.3 ug/L	24.3
CCB	sodium	223 ug/L	223
CCB	thallium	0.90 ug/L	0.90
PBS	zinc	0.15 mg/kg	0.75

CCB = Continuing Calibration Blank, PBS = Preparation Blank (Soil)

All results greater than the IDL but less than 5X the blank amount (Action Level, mg/kg for soil samples) for which the contaminated blank was an associated calibration or preparation blank were flagged as undetected (U).

IV.) ICP Interference Check Sample Results:

All Interference Check Sample criteria were met. No action was required.

V.) ICP Serial Dilution Analysis:

The Serial Dilution Percent Difference (%D) for potassium (14.4%) exceeded the 10% QC limit in sample GDCSB03801L. All positive results for this analyte in the associated soil samples were flagged as estimated (J).

VI.) Laboratory Control Samples (LCS):

The Percent Recoveries (%R's) of potassium (222%) and sodium (905%) exceeded the 80-120% QC limits. All positive results for these analytes in the associated soil samples were flagged as estimated (J).

VII.) Duplicate Sample Analysis:

All Duplicate Sample Analysis criteria were met. No action was required.

VIII.) Matrix Spike Recoveries:

The Percent Recoveries (%R's) of the following analytes were below the 75-125% QC limits for spiked sample GDCSB03801MS:

Analytes	%R
antimony	55.7
zinc	71.4

The positive and non-detect results for these analytes in the associated soil samples were flagged as estimated (J) and (UJ).

IX.) Field Duplicates:

There were no field duplicate samples associated with this SDG. No action was taken.

X.) Sample Result, Calculation/Transcription Verification:

All criteria were met, so no action was taken.

XI.) Quarterly Verification of Instrumental Parameters:

All criteria were met, so no action was taken.

XII.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 50022M Inorganics

SAMPLES: GRCSB03901, GRCSB03902, GRCSB04001, GRCSB03901MD, GRCSB03901MS

TOTAL METALS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) Calibration:

All Calibration criteria were met. No action was required.

III.) Blanks:

The following blank results represent the highest detections associated with the samples and were used for data qualification:

Blank Type/ID#	Analyte	Max. Conc.	Action Level mg/kg
CCB	barium	0.40 ug/L	0.40
CCB	beryllium	0.40 ug/L	0.40
CCB	calcium	32.5 ug/L	32.5
CCB	copper	0.70 ug/L	0.70
CCB	iron	11.9 ug/L	11.9
CCB	lead	2.40 ug/L	2.40
CCB	magnesium	30.0 ug/L	30.0
CCB	manganese	0.30 ug/L	0.30
CCB	thallium	4.10 ug/L	5.80
CCB	vanadium	1.70 ug/L	0.60

CCB = Continuing Calibration Blank

All results greater than the IDL but less than 5X the blank amount (Action Level mg/kg for soil samples) for which the contaminated blank was an associated calibration or preparation blank were flagged as undetected (U).

A negative result for aluminum (-15.7 ug/L) with an absolute value greater than the IDL was found in the CCB's. There were no associated sample results less than 5X the absolute value of the negative blank result (15.7 mg/kg), so no action was taken.

IV.) ICP-Interference Check Sample Results:

All Interference Check Sample criteria were met. No action was required.

V.) ICP Serial Dilution Analysis:

All Serial Dilution criteria were met. No action was necessary.

VI.) Laboratory Control Samples (LCS):

The LCS Percent Recoveries (%R's) of potassium (195%) and sodium (575%) exceeded the 80-120% QC limits. All associated positive sample results for these analytes were flagged as estimated (J).

VII.) Duplicate Sample Analysis:

All Duplicate Sample Analysis criteria were met. No action was taken.

VIII.) Matrix Spike Recoveries:

The Percent Recovery (%R) of antimony in sample GDCSB03901MS was 540%, which was below the 75-125% QC limits. The positive and non-detect results for this analyte in the associated soil samples were flagged as estimated (J) and (UJ).

IX.) Field Duplicates:

There were no field duplicate samples for this SDG. No action was required.

X.) Sample Result, Calculation/Transcription Verification:

All criteria were met, so no action was taken.

XI.) Quarterly Verification of Instrumental Parameters:

All criteria were met, so no action was taken.

XII.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422, Norcross, GA 30093

(770) 923-3890
(770) 923-8769 (Fax)

DATA VALIDATION SUMMARY REPORT

COMPANY:	Ensafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
PROJECT NUMBER:	8500.014
CONTRACTED LAB:	CompuChem Environmental Corp.
QA/QC LEVEL:	Level III
EPA SOW/METHOD:	EPA 1990 SOW
VALIDATION GUIDELINES:	*USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review*, 1994
SAMPLE MATRICES:	Soil and Water
TYPE OF ANALYSES:	Total Metals
SDG NUMBER:	21517M

SAMPLES:

Client Sample #:	Lab Sample #:	Matrix	Metals
GDCGW00101	730822	Water	X
GDCGW01D01	730830	Water	X
510GW00201	730831	Water	X
523GW00201	730832	Water	X
510GW00101	730833	Water	X
GDCGW02D01	731350	Water	X
047GW01001	731681	Water	X
047GW00701	731696	Water	X
047GW00301	731736	Water	X
047GW01301	731743	Water	X
047GW00101	731750	Water	X
047GW00201	731766	Water	X
047GW00501	731839	Water	X
047GW01501	732658	Water	X
047GW01201	732671	Water	X
047GW00801	732682	Water	X
047GW00901	732691	Water	X
GDCDW00101	730827	Water	X
GDCEW00101	730828	Water	X

Client Sample #:	Lab Sample #:	Matrix	Metals
GDCFW00101	730829	Water	X
047GW00301MD	730826MD	Water	X
047GW00301MS	730824/730823MS	Water	X

D = DEIONIZED WATER BLANK, E = EQUIPMENT BLANK, F = FIELD BLANK,
MD = MATRIX DUPLICATE, MS = MATRIX SPIKE

DATA REVIEWER(S): Kent F. Pan, Ph. D., Marvin L. Smith, Jean M. Delashmit

RELEASE SIGNATURE:

Data Qualifier Definitions

J	-	The association numerical value is an estimated quantity.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 21517M Inorganics

SAMPLES: GDCGW00101, GDCGW01D01, 510GW00201, 523GW00201, 510GW00101, GDCGW02D01, 047GW01001, 047GW00701, 047GW00301, 047GW01301, 047GW00101, 047GW00201, 047GW00501, 047GW01501, 047GW01201, 047GW00801, 047GW00901, GDCDW00101, GDCEW00101, GDCFW00101, 047GW00301MD, 047GW00301MS

TOTAL METALS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) Calibration:

All Calibration criteria were met. No action was required.

III.) Blanks:

The following blank results represent the highest detections associated with the samples and were used for data qualification:

Blank Type/ID#	Analyte	Max. Conc. ug/L	Action Level ug/L
FB	aluminum	51.0	255
CCB	barium	8.32	41.6
CCB	beryllium	0.80	4.00
CCB	cadmium	0.60	3.00
CCB	calcium	48.2	241
CCB	copper	1.30	6.50
DB	lead	3.20	16.0
CCB	magnesium	54.6	273
DB	mercury	0.23	1.15
FB	potassium	71.4	357
FB	sodium	1190	5950
PBW	zinc	2.53	12.7

CCB = Continuing Calibration Blank, PBW = Preparation Blank (Water),
DB = Deionized Water Blank, FB = Field Water Blank

All results greater than the IDL but less than 5X the blank amount (Action Level, ug/L for water samples) for which the contaminated blank was an associated calibration, field or preparation blank were flagged as undetected (U).

Aluminum and calcium in PBW's had negative results (-23.4 ug/L and -65.5 ug/L, respectively) with absolute values greater than the IDL. All associated positive sample results less than 5X the absolute value of the negative blank result were flagged as estimated (J) and all non-detects were flagged as estimated (UJ).

IV.) ICP Interference Check Sample Results:

All Interference Check Sample criteria were met. No action was required.

V.) ICP Serial Dilution Analysis:

The Serial Dilution Percent Differences (%D's) for barium (136%) and potassium (17.6%) exceeded the 10% QC limit in sample 047GW00301L. All positive results for these analytes in the associated water samples were flagged as estimated (J).

VI.) Laboratory Control Samples (LCS):

All LCS Percent Recovery criteria were met. No action was taken.

VII.) Duplicate Sample Analysis:

The Relative Percent Differences (RPD's) for chromium (31.1%), copper (62.8%) and vanadium (39.7%) exceeded the 20% QC limits for water duplicate sample 047GW00301MD. All positive and non-detect results for these analytes in the associated samples were flagged as estimated (J) and (UJ).

VIII.) Matrix Spike Recoveries:

All Matrix Spike Recovery criteria were met. No action was required.

IX.) Field Duplicates:

There were no field duplicate samples associated with this SDG. No action was required.

X.) Sample Result Calculation/Transcription Verification:

All criteria were met, so no action was taken.

XI.) Quarterly Verification of Instrumental Parameters:

All criteria were met, so no action was taken.

XII.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422, Norcross, Ga. 30093

DATA VALIDATION SUMMARY REPORT

COMPANY:	EnSafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
CASE NUMBER:	50080
PROJECT NUMBER:	8500.14
CONTRACTED LAB:	CompuChem Environmental Corporation
QA/QC LEVEL:	CLP Level III
EPA SOW/METHOD:	EPA 1990 SOW
VALIDATION GUIDELINES:	*Laboratory Data Validation Functional Guidelines for Evaluating Inorganics Analyses,* 1988
SAMPLE MATRIX:	Water
TYPES OF ANALYSES:	Total Metals
SDG NUMBER:	50016M

SAMPLES:

SDG 50016M:

Client Sample No:	Lab Number:	Matrix	Metals
GRDGW00201	709211	Water	X
0007000001	707066	Water	X
0007000001D*	706995	Water	X
0007000001S*	706993	Water	X
044GW00601	709186	Water	X
519EB00101	706989	Water	X

D* = MATRIX DUPLICATE, S* = MATRIX SPIKE, E = EQUIPMENT BLANK

DATA REVIEWER(S): Cathi W. Sharp, Marvin L. Smith

RELEASE SIGNATURE

Data Qualifier Definitions

J	-	The association numerical value is an estimated quantity.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 50016M CLP Inorganics

SAMPLES: GRDGW00201, 0007000001, 0007000001D*, 0007000001S*, 044GW00601, 519EB00101

TOTAL METALS

I.) Holding Times:

All Holding Time criteria were met, so no action was taken.

II.) Calibration:

All Initial and Continuing Calibration criteria were met, so no action was necessary.

III.) Blanks:

The following blank results represent the highest detections associated with the samples and were used for data qualification:

Blank Type/ID#	Analyte	Max. Conc.	Action Level ug/L
CCB1	cadmium	0.40 ug/L	2.00
	magnesium	41.7 ug/L	209
CCB2	arsenic	5.80 ug/L	29.0
	copper	1.20 ug/L	6.00
CCB3	barium	0.40 ug/L	2.00
CCB4	vanadium	0.70 ug/L	3.50
CCB5	potassium	25.3 ug/L	127
	sodium	300 ug/L	1500
CCB6	beryllium	0.40 ug/L	2.00
CCB11	calcium	47.8 ug/L	239

CCB = Continuing Calibration Blank

All results greater than the IDL but less than 5X the blank amount (Action Level, ug/L for water samples) for which the contaminated blank was an associated calibration blank were flagged as undetected (U).

The following analytes had negative results with absolute values greater than the IDL:

Blank Type/ID#	Analyte	Neg. Conc.	Action Level ug/L
CCB10	aluminum	-50.5 ug/L	253
	thallium	-4.8 ug/L	24
PBW	tin	-7.26 ug/L	36

CCB = Continuing Calibration Blank, PBW = Preparation Blank (Water)

All associated positive sample results less than 5X the absolute value of the negative blank result (Action Level) were flagged as estimated (J) and all non-detects were flagged as estimated (UJ).

IV.) ICP Interference Check Sample Results:

All Percent Recovery criteria were met, so no action was taken.

V.) ICP Serial Dilution Analysis:

All Serial Dilution criteria were met, so no action was necessary.

VI.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met, so no action was required.

VII.) Duplicate Sample Analysis:

All Duplicate Sample Analysis criteria were met, so no action was needed.

VIII.) Matrix Spike Recoveries:

All Percent Recovery criteria were met, so no action was taken.

IX.) Field Duplicates:

There were no field duplicates associated with this SDG. No action was needed.

X.) Quarterly Verification of Instrumental Parameters:

All criteria were met, so no action was taken.

XI.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification.

VALIDATA

Chemical Services, Inc.

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DATA VALIDATION SUMMARY REPORT

COMPANY:	Ensafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
PROJECT NUMBER:	8500.014
CONTRACTED LAB:	CompuChem Environmental Corporation
QA/QC LEVEL:	Level III
EPA SOW/METHOD:	EPA 1990 SOW
VALIDATION GUIDELINES:	*USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review,* 1994
SAMPLE MATRIX:	Soil
TYPES OF ANALYSES:	Total Metals (Metals)
SDG NUMBER:	50010M

SAMPLES:

Client Sample #:	Lab Sample #:	Matrix	Metals
GRDCB01701	702599	Soil	X
GRDCB03502	702433	Soil	X
GRDSB00701	703440	Soil	X
047CB00401	703326	Soil	X
047SB00301	703320	Soil	X
047SB00302	703321	Soil	X
047SB00401	703314	Soil	X
047SB00402	703316	Soil	X
047SB00801	703322	Soil	X
047SB00802	703327	Soil	X
047SB01101	703318	Soil	X
047SB01102	703317	Soil	X
047SB01201	703319	Soil	X
047SB01202	703339	Soil	X
047SB01301	703323	Soil	X
047SB01302	703324	Soil	X
047SB01501	703312	Soil	X

Client Sample #:	Lab Sample #:	Matrix	Metals
047SB01502	703313	Soil	X
513CB00202	702418	Soil	X
513SB00602	702391	Soil	X
047SB01201D	702395MD	Soil	X
047SB01201S	702393MS	Soil	X
047SB01201S*	702392MSD	Soil	X

C = FIELD DUPLICATE, D = MATRIX DUPLICATE, S = MATRIX SPIKE,
S* = MATRIX SPIKE DUPLICATE

DATA REVIEWER(S): Marvin L. Smith, Jean M. Delashmit

RELEASE SIGNATURE:

Data Qualifier Definitions

J	-	The association numerical value is an estimated quantity.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 50010M Total Metals

SAMPLES: GRDCB01701, GRDCB03502, GRDSB00701, 047CB00401, 047SB00301, 047SB00302, 047SB00401, 047SB00402, 047SB00801, 047SB00802, 047SB01101, 047SB01102, 047SB01201, 047SB01202, 047SB01301, 047SB01302, 047SB01501, 047SB01502, 513CB00202, 513SB00602, 047SB01201D, 047SB01201S, 047SB01201S*

TOTAL METALS

I.) Holding Times:

All Holding Time criteria were met, so no action was taken.

II.) Calibration:

All Calibration criteria were met, so no action was necessary.

III.) Blanks:

The following blank results represent the highest detections associated with the samples and were used for data qualification:

Blank Type/ID#	Analyte	Max Conc.	Action Level mg/kg
CCB	aluminum	40.7 ug/L	40.7
CCB	barium	0.60 ug/L	0.60
CCB	beryllium	0.50 ug/L	0.50
CCB	cadmium	0.60 ug/L	0.60
CCB	calcium	51.6 ug/L	51.6
CCB	cobalt	0.70 ug/L	0.70
PBS	potassium	6.50 mg/kg	32.5
CCB	magnesium	38.4 ug/L	38.4
CCB	manganese	0.50 ug/L	0.50
CCB	sodium	255 ug/L	255
CCB	vanadium	0.60 ug/L	0.60

CCB = Continuing Calibration Blank, PBS = Preparation Blank (Soil)

All results greater than the IDL but less than 5X the blank amount (Action Level, mg/kg for soil samples) for which the contaminated blank was an associated preparation or calibration blank were flagged as undetected (U).

The following analytes had negative results with absolute values greater than the IDL's:

Blank Type/ID#	Analyte	Neg. Conc.	5X Conc. mg/kg
CCB	arsenic	-4.10 ug/L	4.10
CCB	copper	-0.70 ug/L	0.70
CCB	zinc	-7.50 ug/L	7.50

CCB = Continuing Calibration Blank

All associated positive sample results less than 5X the absolute value of the negative blank result and all non-detects were flagged as estimated (J) and (UJ).

IV.) ICP Interference Check Sample Results:

All Percent Recovery criteria were met, so no action was taken.

The following analytes were present in ICS Solution A at concentrations greater than 2X the IDL:

cadmium	9 ug/L
chromium	21 ug/L
lead	10 ug/L
potassium	50 ug/L

These analytes should not be present. Since neither aluminum, iron, magnesium nor calcium were present at concentrations greater than the amount in Solution A, no action was required.

Negative results were observed for the following analyte in ICS Solution A at a concentration with an absolute value greater than the 2X the IDL:

barium	-1 ug/L
copper	-9 ug/L
manganese	-90 ug/L
nickel	-6 ug/L
silver	-41 ug/L
tin	-14 ug/L
vanadium	-36 ug/L
zinc	-10 ug/L

Since neither aluminum, iron, magnesium nor calcium were present at concentrations greater than the amount in Solution A, no action was required.

V.) ICP Serial Dilution Analysis:

All Serial Dilution criteria were met, so no action was necessary.

VI.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met, so no action was taken.

VII.) Duplicate Sample Analysis:

The Relative Percent Difference (RPD) was 38.1% for calcium in duplicate samples 047SB01201 and 047SB01201D, which exceeded the 35% QC limit for soil samples. All results for calcium in the associated samples, which consisted entirely of positive detections, were flagged as estimated (J).

VIII.) Matrix Spike Recoveries:

The Percent Recoveries (%R's) of antimony and selenium were 62.3% / 56.3% and 71.3% / 72.2%, respectively, in soil spiked samples 047SB01201S / 047SB01201S*, which were below the 75-125% QC limits. All positive and non-detect results for antimony and selenium in the associated soil samples were flagged as estimated (J) and (UJ).

IX.) Field Duplicates:

The calculable Relative Percent Differences (RPD's) for field duplicates 047SB00401 and 047CB00401 were:

	047SB00401	047CB00401	
Analyte	ug/kg	ug/kg	RPD
aluminum	6210	9300	40%
calcium	1150	1840	46%
chromium	10.1	13.7	30%
iron	2900	4070	34%
lead	6.5	6.7	3%
manganese	4.5	6.1	30%
vonadium	12.7	16	23%
zinc	10.1	13.5	29%

All RPD's were within the 60% QC limit. No action was required.

The corresponding duplicate samples for GRDCB01701, GRDCB03502 and 513CB00202 were not in this SDG. No action was taken.

X.) Furnace Atomic Absorption QC:

Graphite Furnace analyses were not used for the samples in this SDG.

XI.) Sample Result, Calculation/Transcription Verification:

Sample GRDCB03502 was incorrectly identified as GRDSB03502 on the spreadsheets. This was corrected during validation.

All other criteria were met, so no further action was required.

XII.) Quarterly Verification of Instrumental Parameters:

All criteria were met, so no action was taken.

XIII.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification.

Chromium and zinc were erroneously laboratory flagged (*) based on the water RPD QC limit (25%) instead of the soil RPD QC limit (35%). Arsenic was erroneously laboratory flagged (N) based on Matrix Spike Recovery QC limits of 80-120% instead of 75-125%. These laboratory flags were removed during validation.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422, Norcross, GA 30093

(770) 923-3890
(770) 923-8769 (Fax)

DATA VALIDATION SUMMARY REPORT

COMPANY:	Ensafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
PROJECT NUMBER:	8500.014
CONTRACTED LAB:	CompuChem Environmental
QA/QC LEVEL:	Level IV
EPA SOW/METHOD:	EPA 1990 SOW
VALIDATION GUIDELINES:	*USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review,* 1994
SAMPLE MATRIX:	Leachate
TYPES OF ANALYSES:	Leachate Metals

SDG NUMBER: 24MP

SAMPLES:

Client Sample #:	Lab Sample #:	Matrix	Metals
044SB00601	755141	Leachate	X
511SB00601	754863	Leachate	X
511SB00602	754889	Leachate	X
511SB00601D	753726D	Leachate	X
511SB00601MS	753723MS	Leachate	X
511SB00601MSD	754724MSD	Leachate	X

D = MATRIX DUPLICATE, MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

DATA REVIEWER(S): Amy L. Hogan, Marvin L. Smith, Jean M. Delashmit

RELEASE SIGNATURE:

Data Qualifier Definitions

J	-	The association numerical value is an estimated quantity.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

CompuChem Environmental - 24MP Inorganics

SAMPLES: 044SB00601, 511SB00601, 511SB00602, 511SB00601D, 511SB00601MS, 511SB00601MSD

LEACHATE METALS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) Calibration:

All Calibration criteria were met. No action was required.

III.) Blanks:

The following blank results represent the highest detections associated with the samples and were used for data qualification:

Blank Type/ID#	Analyte	Max. Conc.	Action Level ug/L
LB01	aluminum	113 ug/L	565
LB01	barium	13.0 ug/L	65.0
CCB3	beryllium	0.70 ug/L	3.50
CCB3	cobalt	0.60 ug/L	3.00
CCB2	copper	1.60 ug/L	8.00
CCB3	iron	39.2 ug/L	196
LB01	lead	1.7 ug/L	8.50
CCB1	magnesium	98.3 ug/L	492
CCB3	manganese	1.10 ug/L	5.50
LB01	potassium	99.2 ug/L	496
CCB6	selenium	3.80 ug/L	19.0
CCB2	sodium	1210 ug/L	6050
CCB3	vanadium	0.90 ug/L	4.50
LB01	zinc	2.10 ug/L	10.5

CCB = Continuing Calibration Blank, LB = Leachate Blank

All results greater than the IDL but less than 5X the blank amount (Action Level, ug/L for water

samples) for which the contaminated blank was an associated calibration or leachate blank were flagged as undetected (U).

The following analytes had negative results with absolute values greater than the IDL:

Blank Type/ID#	Analyte	Neg. Conc.	5X Conc.
PBW	calcium	-49.5 ug/L	248 ug/L
PBW	zinc	-4.10 ug/L	20.5 ug/L

PBW = Preparation Blank (Water)

All associated sample results were greater than 5X the absolute value of the negative blank result. Data qualification was not required.

IV.) ICP Interference Check Sample Results:

All Interference Check Sample criteria were met. No action was required.

V.) ICP Serial Dilution Analysis:

The Percent Differences (%D's) for aluminum (13.2%) and iron (21.5%) in diluted sample 511SB00601L exceeded the 10% QC limit. The positive results for these analytes in associated samples 044SB00601, 511SB00601 and 511SB00602 were flagged as estimated (J).

VI.) Laboratory Control Samples (LCS):

All Laboratory Control Sample criteria were met. No action was required.

VII.) Duplicate Sample Analysis:

All Duplicate Sample Analysis criteria were met. No action was necessary.

VIII.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

The Percent Recoveries (%R's) of aluminum in spiked samples 511SB00601MS (171%) and 511SB00601MSD (148%) exceeded the 75-125% QC limits. All positive results for aluminum in the associated samples were previously flagged based on the serial dilution. No further action was necessary.

IX.) Field Duplicates:

There were no field duplicate samples in this SDG. No action was required.

X.) Furnace Atomic Absorption QC:

GFAA analysis was not required for the samples associated with this SDG. No action was necessary.

XI.) Sample Result, Calculation/Transcription Verification:

All criteria were met, so no action was taken.

XII.) Quarterly Verification of Instrumental Parameters:

All criteria were met, so no action was taken.

XIII.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422 Norcross, Ga. 30093

DATA VALIDATION SUMMARY REPORT

COMPANY:	Ensafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
PROJECT NUMBER:	8500.014
CONTRACTED LAB:	CompuChem Environmental Co.
QA/QC LEVEL:	Level III
EPA SOW/METHOD:	EPA 1990 SOW
VALIDATION GUIDELINES:	*National Functional Guidelines for Organic Data Review,* 1994; *Laboratory Data Validation Functional Guidelines for Evaluating Inorganics Analyses,* 1994; *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review,* 1994; *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review,* 1994
SAMPLE MATRICES:	Soil and Water
TYPES OF ANALYSES:	Cyanide (CN)
SDG NUMBERS:	0001C, 001CB3, 0002C, 0003C, 0004C, 004CB, 0005C

SAMPLES:

SDG NUMBER: 0001C

Client Sample #:	Lab Sample #:	Matrix	CN
044CB00701	690187	Soil	X
510SB00101	690160	Soil	X
510SB00102	690165	Soil	X
510SB00201	690194	Soil	X
510SB00202	690155	Soil	X
510SB00501	690144	Soil	X
510SB00502	690150	Soil	X
510CB00502	690178	Soil	X
512SB00101	690514	Soil	X
512SB00201	690530	Soil	X
512SB00202	690531	Soil	X
512SB00301	690505	Soil	X

Client Sample #:	Lab Sample #:	Matrix	CN
512CB00301	690534	Soil	X
512SB00401	690510	Soil	X
512SB00501	690496	Soil	X
512SB00601	690529	Soil	X
GRDSB00101	690532	Soil	X
GRDSB00102	690533	Soil	X
GRDSB00201	689926	Soil	X
GRDSB00601	691084	Soil	X
512CB00301MS	690534MS	Soil	X
512CB00301MSD	690534MSD	Soil	X

C = FIELD DUPLICATE, MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

SDG NUMBER: 001CB3

Client Sample #:	Lab Sample #:	Matrix	CN
GRDEB00201	689892	Soil	X
GRDDB00201	689902	Soil	X

EB = EQUIPMENT BLANK, DB = DEIONIZED BLANK

SDG NUMBER: 0002C

Client Sample #:	Lab Sample #:	Matrix	CN
508SB00101	692021	Soil	X
508SB00201	692034	Soil	X
508SB00301	692027	Soil	X
508SB00401	692064	Soil	X
508SB00402	692050	Soil	X
508SB00501	692014	Soil	X
508SB00601	692040	Soil	X
511SB00101	692143	Soil	X
511SB00102	692164	Soil	X
511SB00201	692200	Soil	X
511SB00202	692154	Soil	X
511SB00302	692180	Soil	X
511SB00401	692103	Soil	X
511SB00502	692190	Soil	X
511CB00502	692111	Soil	X
511SB00601	692008	Soil	X
GRDSB00301	691121	Soil	X
GRDSB00501	691105	Soil	X
GRDSB00801	691127	Soil	X
GRDSB00802	691133	Soil	X

Client Sample #:	Lab Sample #:	Matrix	CN
511CB00502MS	692111MS	Soil	X
511CB00502MSD	692111MSD	Soil	X

C = FIELD DUPLICATE, MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

SDG NUMBER: 0003C

Client Sample #:	Lab Sample #:	Matrix	CN
047SB00501	697012	Soil	X
047SB00502	697018	Soil	X
047SB00601	697024	Soil	X
508CB00601	692245	Soil	X
511SB00301	692217	Soil	X
511SB00501	692252	Soil	X
511SB00602	692237	Soil	X
GRDSB00901	696974	Soil	X
GRDSB00902	697007	Soil	X
GRDSB00901MS	696974MS	Soil	X
GRDSB00901MD	696974MD	Soil	X

C = FIELD DUPLICATE, MS = MATRIX SPIKE, MD = MATRIX DUPLICATE

SDG NUMBER: 0004C

Client Sample #:	Lab Sample #:	Matrix	CN
047SB00101	697963	Soil	X
047SB001402	697979	Soil	X
047SB00201	697985	Soil	X
517SB00101	698367	Soil	X
517SB00102	698372	Soil	X
517SB00201	698349	Soil	X
517SB00202	698354	Soil	X
517CB00202	698361	Soil	X
517SB00301	698339	Soil	X
517SB00302	698344	Soil	X
517SB00401	698315	Soil	X
517SB00402	698320	Soil	X
517SB00501	698325	Soil	X
517SB00502	698334	Soil	X
518SB00401	698995	Soil	X
523SB00101	697997	Soil	X
523SB00102	698009	Soil	X
523SB00201	698003	Soil	X
523SB00202	697991	Soil	X

Client Sample #:	Lab Sample #:	Matrix	CN
523CB00202	698015	Soil	X
518SB00401MS	698995MS	Soil	X
518SB00401MD	698995MD	Soil	X

C = FIELD DUPLICATE, MS = MATRIX SPIKE, MD = MATRIX DUPLICATE

SDG NUMBER: 004CB

Client Sample #:	Lab Sample #:	Matrix	CN
523EB00202	697940	Water	X
523DB00202	697917	Water	X

EB = EQUIPMENT BLANK, DB = DEIONIZED BLANK

SDG NUMBER: 0005C

Client Sample #:	Lab Sample #:	Matrix	CN
516SB00101	699051	Soil	X
516SB00102	699064	Soil	X
516SB00201	699070	Soil	X
516SB00202	699076	Soil	X
518SB00101	699023	Soil	X
518SB00102	699028	Soil	X
518SB00201	698970	Soil	X
518SB00202	698979	Soil	X
518SB00301	699009	Soil	X
518SB00302	699016	Soil	X
518CB00401	699041	Soil	X
518SB00402	699003	Soil	X
518SB00501	698984	Soil	X
518SB00502	698989	Soil	X
520SB00101	700533	Soil	X
520SB00102	700541	Soil	X
520SB00201	700547	Soil	X
520SB00202	700552	Soil	X
520SB00301	700557	Soil	X
520SB00302	700562	Soil	X
518CB00401MS	699041MS	Soil	X
518CB00401MD	699041MD	Soil	X

C = FIELD DUPLICATE, MS = MATRIX SPIKE, MD = MATRIX DUPLICATE

DATA REVIEWER(S): Amy L. Hogan, Marvin L. Smith

RELEASE SIGNATURE:

Data Qualifier Definitions:

J	-	The associated numerical value is an estimated quantity.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

CompuChem - 0001C Inorganics

SAMPLES: 044CB00701, 510SB00101, 510SB00102, 510SB00201, 510SB00202, 510SB00501, 510SB00502, 510CB00502, 512SB00101, 512SB00201, 512SB00202, 512SB00301, 512CB00301, 512CB00301MS, 512CB00301MSD, 512SB00401, 512SB00501, 512SB00601, GRDSB00101, GRDSB00102, GRDSB00201, GRDSB00601

CYANIDE

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) Calibration:

All Calibration criteria were met. No action was required.

III.) Blanks:

All Method Blank criteria were met. No action was required.

IV.) Laboratory Control Samples (LCS):

All Laboratory Control Sample criteria were met. No action was required.

V.) Duplicate Sample Analysis:

All Duplicate Sample criteria were met. No action was necessary.

VI.) Matrix Spike Recoveries:

All Matrix Spike criteria were met. No action was required.

VII.) Field Duplicates:

The field duplicate for 044CB00701 was not contained in this SDG. No action was required.

There were no calculable Relative Percent Differences (RPD's) for field duplicate samples 510SB00502 and 510CB00502. No action was necessary.

There were no calculable Relative Percent Differences (RPD's) for field duplicate samples 512SB00301 and 512CB00301. No action was necessary.

VIII.) Sample Result, Calculation/Transcription Verification:

All criteria were met, so no action was taken.

IX.) Overall Assessment of Data/General:

All laboratory data were acceptable without qualification.

DATA QUALIFICATION SUMMARY

C0mpuChem - 001CB3 Inorganics

SAMPLES: GRDEB00201, GRDDB00201

CYANIDE

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) Calibration:

All Calibration criteria were met. No action was required.

III.) Blanks:

All Method Blank criteria were met. No action was required.

IV.) Laboratory Control Samples (LCS):

All Laboratory Control Sample criteria were met. No action was required.

V.) Duplicate Sample Analysis:

No duplicate sample analysis was performed for this SDG. No action was necessary.

VI.) Matrix Spike Recoveries (MS/MSD):

No MS / MSD analyses were requested for this SDG. No action was required.

VII.) Field Duplicates:

There were no field duplicates associated with this SDG. No action was required.

VIII.) Sample Result, Calculation/Transcription Verification:

All criteria were met, so no action was taken.

IX.) Overall Assessment of Data/General:

All laboratory data were acceptable without qualification.

DATA QUALIFICATION SUMMARY

CompuChem - 0002C Inorganics

SAMPLES: 508SB00101, 508SB00201, 508SB00301, 508SB00401, 508SB00402, 508SB00501, 508SB00601, 511SB00101, 511SB00102, 511SB00201, 511SB00202, 511SB00302, 511SB00401, 511SB00502, 511CB00502, 511CB00502MS, 511CB00502MD, 511SB00601, GRDSB00301, GRDSB00501, GRDSB00801, GRDSB00802

CYANIDE

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) Calibration:

All Calibration criteria were met. No action was required.

III.) Blanks:

All Method Blank criteria were met. No action was required.

IV.) Laboratory Control Samples (LCS):

All Laboratory Control Sample criteria were met. No action was required.

V.) Duplicate Sample Analysis:

All Duplicate Sample criteria were met. No action was necessary.

VI.) Matrix Spike Recoveries:

All Matrix Spike criteria were met. No action was required.

VII.) Field Duplicates:

There was no calculable Relative Percent Difference (RPD) for field duplicate samples 511SB00502 and 511CB00502. No action was required.

VIII.) Sample Result, Calculation/Transcription Verification:

All criteria were met, so no action was taken.

IX.) Overall Assessment of Data/General:

All laboratory data were acceptable without qualification.

DATA QUALIFICATION SUMMARY

CompuChem - 0003C Inorganics

SAMPLES: 047SB00501, 047SB00502, 047SB00601, 508CB00601, 511SB00301, 511SB00501, 511SB00602, GRDSB00901, GRDSB00901MS, GRDSB00901MD, GRDSB00902

CYANIDE

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) Calibration:

All Calibration criteria were met. No action was required.

III.) Blanks:

All Method Blank criteria were met. No action was required.

IV.) Laboratory Control Samples (LCS):

All Laboratory Control Sample criteria were met. No action was required.

V.) Duplicate Sample Analysis:

All Duplicate Sample criteria were met. No action was necessary.

VI.) Matrix Spike Recoveries:

All Matrix Spike Recovery criteria were met. No action was required.

VII.) Field Duplicates:

The field duplicate for sample 508CB00601 was not contained in this SDG. No action was required.

VIII.) Sample Result, Calculation/Transcription Verification:

All criteria were met, so no action was taken.

IX.) Overall Assessment of Data/General:

All laboratory data were acceptable without qualification.

DATA QUALIFICATION SUMMARY

CompuChem - 0004C Inorganics

SAMPLES: 047SB00101, 047SB00102, 047SB00201, 517SB00101, 517SB00102, 517SB00201, 517SB0022, 517CB00202, 517SB0030, 517SB00302, 517SB00401, 517SB00402, 517SB00501, 517SB00502, 518SB00401, 518SB00401MS, 518SB00401MD, 523SB00101, 523SB00102, 523SB00201, 523SB00202, 523CB00202

CYANIDE

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) Calibration:

All Calibration criteria were met. No action was required.

III.) Blanks:

All Method Blank criteria were met. No action was required.

Field Blanks:

There were no positive detections in associated field blanks 523EB00202 and 523DB00202, which were analyzed in SDG 004CB. No action was necessary.

IV.) Laboratory Control Samples (LCS):

All Laboratory Control Sample criteria were met. No action was required.

V.) Duplicate Sample Analysis:

All Duplicate Sample criteria were met. No action was necessary.

VI.) Matrix Spike Recoveries:

All Matrix Spike Recovery criteria were met. No action was required.

VII.) Field Duplicates:

There were no calculable Relative Percent Differences (RPD's) for field duplicate sample pairs 517SB00202 / 517CB00202 and 523SB00202 / 523CB00202. No action was required.

VIII.) Sample Result, Calculation/Transcription Verification:

All criteria were met, so no action was taken.

IX.) Overall Assessment of Data/General:

All laboratory data were acceptable without qualification.

DATA QUALIFICATION SUMMARY

CompuChem - 004CB Inorganics

SAMPLES: 523EB00202, 523DB00202

CYANIDE

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) Calibration:

All Calibration criteria were met. No action was required.

III.) Blanks:

All Method Blank criteria were met. No action was required.

IV.) Laboratory Control Samples (LCS):

All Laboratory Control Sample criteria were met. No action was required.

V.) Duplicate Sample Analysis:

There were no duplicate sample analyses for this SDG. No action was necessary.

VI.) Matrix Spike Recoveries:

There were no Matrix Spike anlayses for this SDG. No action was required.

VII.) Field Duplicates:

There were no field duplicate samples for this SDG. No action was required.

VIII.) Sample Result, Calculation/Transcription Verification:

All criteria were met, so no action was taken.

IX.) Overall Assessment of Data/General:

All laboratory data were acceptable without qualification.

DATA QUALIFICATION SUMMARY

CompuChem - 0005C Inorganics

SAMPLES: 516SB00101, 516SB00102, 516SB00201, 516SB00202, 518SB00101, 518SB00102, 518SB00201, 518SB00202, 518SB00301, 518SB00302, 518CB00401, 518SB00402, 518SB00501, 518SB00502, 520SB00101, 520SB00102, 520SB00201, 520SB00202, 520SB00301, 520SB00302, 518CB00401MS, 518CB00401MD

CYANIDE

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) Calibration:

All Calibration criteria were met. No action was required.

III.) Blanks:

All Method Blank criteria were met. No action was required.

IV.) Laboratory Control Samples (LCS):

All Laboratory Control Sample criteria were met. No action was required.

V.) Duplicate Sample Analysis:

All Duplicate Sample criteria were met. No action was necessary.

VI.) Matrix Spike Recoveries:

All Matrix Spike Recovery criteria were met. No action was required.

VII.) Field Duplicates:

The field duplicate for 518CB00401 was not contained in this SDG. No action was required.

VIII.) Sample Result, Calculation/Transcription Verification:

All criteria were met, so no action was taken.

IX.) Overall Assessment of Data/General:

All laboratory data were acceptable without qualification.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422, Norcross, GA 30093

(770) 923-3890
(770) 923-8769 (Fax)

DATA VALIDATION SUMMARY REPORT

COMPANY:	EnSafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
PROJECT NUMBER:	8500.014
CONTRACTED LAB:	Southwest Laboratories of Oklahoma
EPA SOW/METHOD:	EPA 8290
VALIDATION GUIDELINES:	EPA 8290, Professional Judgement
SAMPLE MATRIX:	Water
TYPES OF ANALYSES:	2,3,7,8-substituted PCDD's and PCDF's
SDG NO:	95-45

SAMPLES:

Client Sample #:	Lab Sample #:	Matrix	PCDD/ PCDF
044HW00401	22599.01	Water	X
047HW00501	22600.01	Water	X
523HW00101	22624.01	Water	X

D = DUPLICATE, MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE, RE = REANALYZED

DATA REVIEWER(S): Shawn S. Lin, Ph.D., Kevin C. Harmon

RELEASE SIGNATURE:

DATA QUALIFICATION SUMMARY

Southwest Laboratories of Oklahoma - 95-45 2,3,7,8-substituted PCDD's and PCDF's

SAMPLES: 044HW00401, 047HW00501, 523HW00101

2,3,7,8-SUBSTITUTED PCDD'S AND PCDF'S

I.) Holding Times:

All criteria were met, so no action was taken.

II.) HRGC/HRMS System Performance:

GC Column Performance:

All criteria were met, so no action was taken.

HRMS Resolution:

All criteria were met, so no action was taken.

Mass Verification:

All criteria were met, so no action was taken.

MS Data Acquisition:

All criteria were met, so no action was taken.

III.) Calibration:

Calibration Range:

EPA Method 1613 calibration and internal standard concentration levels were used for the analyses. Comparing to EPA Method 8290, the calibration ranges of two methods were not significantly different, so no action was deemed necessary.

Initial Calibration and Continuing Calibration Check:

All criteria were met, so no action was taken.

IV.) Blanks

Method Blanks:

Several 2,3,7,8-substituted PCDD's and PCDF's were detected in the method blank at the following concentrations:

Method Blank	Compound	Conc. pg/L	Action Level pg/L
BLK061902	OCDD	*6.8	34
	1234678-HpCDF	*2.8	14
	OCDF	*4.4	22

* = EMPC

Detections of the above compounds in all associated samples below 5X the blank amounts were designated as EMPC (Estimated Maximum Possible Concentration).

Field Blanks:

The associated field blank (519FB00101) was analyzed with SDG 95-31. Several PCDD's/PCDF's were detected in the blank at the following concentrations:

Blank	Compound	Concentration pg/L	Action Level pg/L
519FB00101	OCDD	*6.1	31
	1234678-HpCDF	*16	80
	OCDF	*35	175

* = EMPC

Detections of the above compound in all associated samples below 5X the blank amounts were designated as EMPC (Estimated Maximum Possible Concentration).

V.) Internal Standards Performance:

All criteria were met, so no action was taken.

VI.) Spike/Spike Duplicates:

No MS/MSD were analyzed. One LCS sample was analyzed. All criteria were met, so no action was taken.

VII.) Duplicates:

No field duplicates were analyzed.

VIII.) PCDD/PCDF Identifications:

Retention Times:

All criteria were met, so no action was taken.

Ion Abundance:

All criteria were met, so no action was taken.

S/N Ratio:

All criteria were met, so no action was taken.

PCDPE (Polychlorinated Diphenyl Ether) Interferences:

All criteria were met, so no action was taken.

Second Column Confirmation:

All criteria were met, so no action was taken.

IX.) Overall Assessment of Data/General:

All data were acceptable with qualifications.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422, Norcross, Ga. 30093

DATA VALIDATION SUMMARY REPORT

COMPANY:	Ensafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
PROJECT NUMBER:	8500.014
CONTRACTED LAB:	Southwest Laboratories of Oklahoma
EPA SOW/METHOD:	EPA 8290
VALIDATION GUIDELINES:	EPA 8290, Professional Judgement
SAMPLE MATRIX:	Soil, Water
TYPES OF ANALYSES:	2,3,7,8-substituted PCDD's and PCDF's

SDG NO: 513CB00202

SAMPLES:

Client Sample #:	Lab Sample #:	Matrix	PCDD/ PCDF
513CB00202	21871.01	Soil	X
513CB00202 MS	21871.02MS	Soil	X
513CB00202 MSD	21871.03MSD	Soil	X
GRDCB03502	21871.04RE	Soil	X
GRDCB01701	21871.05RE	Soil	X
GRDDB01701	21871.06	Water	X
GRDEB01701	21871.07RE	Water	X
515CB00602	21932.01	Soil	X

D = DUPLICATE, MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE, RE = REANALYZED

DATA REVIEWER(S): Shawn S. Lin, Ph.D., Kevin C. Harmon

RELEASE SIGNATURE:

DATA QUALIFICATION SUMMARY

Southwest Laboratories of Oklahoma - 513CB00202 2,3,7,8-substituted PCDD's and PCDF's

SAMPLES: 513CB00202, 513CB00202, 513CB00202, GRDCB03502, GRDCB01701, GRDDB01701, GRDEB01701, 515CB00202

2,3,7,8-SUBSTITUTED PCDD'S AND PCDF'S

I.) Holding Times:

All criteria were met, so no action was taken.

II.) HRGC/HRMS System Performance:

GC Column Performance:

All criteria were met, so no action was taken.

HRMS Resolution:

The mass resolving power was not calculated for each Mass Resolution Check. From the print out of Peak Locate Examinations, the validator estimated that all Mass Resolution Check results had resolving power less than 10,000 (10 percent valley) at m/z 304.9824. However, the laboratory certified that all Mass Resolution Checks met the method's minimum resolving power requirement, so no data qualification action was taken (see Section X).

Mass Verification:

The validator could not locate the raw data for Mass Verification Check. The information for Mass Verification could not be obtained from the Mass Resolution Check results. However, the laboratory certified that the exact mass of m/z 380.9760 was within 5 ppm of the required value, so no data qualification action was taken (see Section X).

MS Data Acquisition:

All criteria were met, so no action was taken.

III.) Calibration:

Calibration Range:

EPA Method 1613 calibration and internal standard concentration levels were used for the analyses. Comparing to EPA Method 8290, the calibration ranges of two methods were not significantly different, so no action was deemed necessary.

Initial Calibration and Continuing Calibration Check:

Two sets of RRF's for initial calibrations (for instruments AutoSpec and 70S, run on 4/18/95 and 12/19/94, respectively) were used to calculated the RRF percent difference between the continuing calibration check and initial calibration.

All criteria were met, so no action was taken.

IV.) Blanks

Method Blanks:

Several 2,3,7,8-substituted PCDD's and PCDF's were detected in method blanks at the following concentrations:

Method Blank	Compound	Conc. ng/kg	Action Level ng/kg
BLK041402	1234678-HpCDF	4.6	23
	OCDF	8.1	45
BLK041403	OCDD	3.0	15
	123678-HxCDF	0.3	1.5
	OCDF	0.7	3.5

Method Blank	Compound	Conc. pg/L	Action Level pg/L
BLK041401	1234678-HpCDD	6.2	31
	OCDD	27	135
	123789-HxCDF	6.3	39
	1234678-HpCDF	7.5	38

Detections of the above compound in all associated samples below 5X the blank amounts (Action Level, ng/kg for soil samples before percent solids correction) were designated as EMPC (Estimated Maximum Possible Concentration).

No action was taken for field blank water samples.

Field Blanks:

The associated D.I. water blank (GRDDB01701) and rinsate blank (GRDEB01701) were analyzed. Several PCDD's/PCDF's were detected in blanks at the following concentrations:

Blank	Compound	Concentration pg/L	Action Level ng/kg
GRDDB01701	OCDD	21	11
	123678-HxCDF	3.3	1.7
	123789-HxCDF	6.6	3.3
	OCDF	25	13
GRDEB01701	1234678-HpCDD	2.4	1.2
	OCDD	8.2	4.1
	123478-HxCDF	1.4	0.7
	123678-HxCDF	2.2	1.1
	123789-HxCDF	5.0	2.5
	OCDF	14	7.0

Detections of the above compounds in all associated samples below 5X the blank amounts (Action Level, ng/kg for soil samples before percent solids correction) were designated as EMPC (Estimated Maximum Possible Concentration).

V.) Internal Standards Performance:

All criteria were met, so no action was taken.

VI.) Spike/Spike Duplicates:

One set of matrix spike/spike duplicates, 513CB00202 MS/MSD, was analyzed. All criteria were met, so no action was taken.

VII.) Duplicates:

No field duplicates were analyzed.

VIII.) PCDD/PCDF Identifications:

Retention Times:

All criteria were met, so no action was taken.

Ion Abundance:

All criteria were met, so no action was taken.

S/N Ratio:

All criteria were met, so no action was taken.

PCDPE (Polychlorinated Diphenyl Ether) Interferences:

All criteria were met, so no action was taken.

Second Column Confirmation:

All criteria were met, so no action was taken.

IX.) Overall Assessment of Data/General:

All data were acceptable with qualifications.

Three samples were reanalyzed. The laboratory did not give a reason for the reanalyses.

X.) Laboratory Certifications Concerning Data Validation Deliverables:

In the validation of the PCDD/PCDF data, several important informational items were not verifiable from the data packages. Southwest Laboratories of Oklahoma provided certifications concerning the procedures used in the laboratory and in data reporting which address these issues.

The following certifications were made by Southwest Laboratories of Oklahoma:

1.) For all Mass Resolution Checks, the resolving power was greater than 10,000 (10 percent valley) at m/z 304.9824.

2.) For all Mass Verification Checks, the exact mass of m/z 380.9760 was within 5 ppm of the required value.

Validata Chemical Services, Inc. has incorporated these certifications into its data review as fact, and they have formed the basis for data validation of the unverifiable items. Validata Chemical Services, Inc. takes no responsibility for the validity of these certifications.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422, Norcross, Ga. 30093

DATA VALIDATION SUMMARY REPORT

COMPANY:	Ensafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
PROJECT NUMBER:	8500.014
CONTRACTED LAB:	Southwest Laboratories of Oklahoma
EPA SOW/METHOD:	EPA 8290
VALIDATION GUIDELINES:	EPA 8290, Professional Judgement
SAMPLE MATRIX:	Soil, Water
TYPES OF ANALYSES:	2,3,7,8-substituted PCDD's and PCDF's

SDG NO: 523EB00202

SAMPLES:

Client Sample #:	Lab Sample #:	Matrix	PCDD/ PCDF
523DB00202	21775.01	Water	X
523EB00202	21775.02	Water	X
523CB00202	21775.03RE	Soil	X
517CB00202	21805.01RE	Soil	X
518CB00401	21805.02	Soil	X
518CB00401 RE	21805.02RE	Soil	X
520CB00302	21846.01	Soil	X
GRDCB02302	21853.01	Soil	X
GRDCB01301	21853.02RE	Soil	X

D = DUPLICATE, MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE, RE = REANALYZED

DATA REVIEWER(S): Shawn S. Lin, Ph.D., Kevin C. Harmon

RELEASE SIGNATURE:

DATA QUALIFICATION SUMMARY

Southwest Laboratories of Oklahoma - 523EB00202 2,3,7,8-substituted PCDD's and PCDF's

SAMPLES: 523DB00202, 523EB00202, 523CB00202, 517CB00202, 518CB00401, 520CB00302, GRDCB02302, GRDCB01301

2,3,7,8-SUBSTITUTED PCDD'S AND PCDF'S

I.) Holding Times:

All criteria were met, so no action was taken.

II.) HRGC/HRMS System Performance:

GC Column Performance:

All criteria were met, so no action was taken.

HRMS Resolution:

The mass resolving power was not calculated for each Mass Resolution Check. From the print out of Peak Locate Examinations, the validator estimated that all Mass Resolution Check results had resolving power less than 10,000 (10 percent valley) at m/z 304.9824. However, the laboratory certified that all Mass Resolution Checks met the method's minimum resolving power requirement, so no data qualification action was taken (see Section X).

Mass Verification:

The validator could not locate the raw data for Mass Verification Check. The information for Mass Verification could not be obtained from the Mass Resolution Check results. However, the laboratory certified that the exact mass of m/z 380.9760 was within 5 ppm of the required value, so no data qualification action was taken (see Section X).

MS Data Acquisition:

All criteria were met, so no action was taken.

III.) Calibration:

Calibration Range:

EPA Method 1613 calibration and internal standard concentration levels were used for the analyses. Comparing to EPA Method 8290, the calibration ranges of two methods were not significantly different, so no action was deemed necessary.

Initial Calibration and Continuing Calibration Check:

Two sets of RRF's for initial calibrations (for instruments AutoSpec and 70S, run on 4/18/95 and 12/19/94, respectively) were used to calculated the RRF percent difference between the continuing calibration check and initial calibration.

All criteria were met, so no action was taken.

IV.) Blanks

Method Blanks:

Several 2,3,7,8-substituted PCDD's and PCDF's were detected in method blanks at the following concentrations:

Method Blank	Compound	Conc. ng/kg	Action Level ng/kg
BL041904	OCDD	1.3	6.5
	123789-HxCDF	0.4	2.0
	1234678-HpCDF	0.4	2.0
	OCDF	3.1	15.5

Method Blank	Compound	Conc. pg/L	Action Level pg/L
BL041002	OCDD	3.6	18

Detections of the above compound in all associated samples (21853.02, 21887.01, 21884.03 and 21884.04) below 5X the blank amounts (Action Level, ng/kg for soil samples before percent solids correction) were designated as EMPC (Estimated Maximum Possible Concentration).

No action was taken for field blank water samples.

Field Blanks:

The associated D.I. water blank (523DB00202) and rinsate blank (523EB00202) were analyzed. Two PCDD's/PCDF's were detected in blanks at the following concentrations:

Blank	Compound	Concentration pg/L	Action Level ng/kg
523DB00202	OCDD	4.8	2.4
523EB00202	OCDD	8.0	4.0
	OCDF	2.5	1.2

Detections of the above compound in all associated samples below 5X the blank amounts (Action Level, ng/kg for soil samples before percent solids correction) were designated as EMPC (Estimated Maximum Possible Concentration).

V.) Internal Standards Performance:

The Percent Recoveries (%R's) of all internal standards for sample 518CB00401RE were below the 40-135% QC limits. All results for this sample were flagged as estimated (J) and (UJ).

VI.) Spike/Spike Duplicates:

No MS/MSD were analyzed. No LCS/LCSD were analyzed.

VII.) Duplicates:

No field duplicates were analyzed.

VIII.) PCDD/PCDF Identifications:

Retention Times:

All criteria were met, so no action was taken.

Ion Abundance:

All criteria were met, so no action was taken.

S/N Ratio:

All criteria were met, so no action was taken.

PCDPE (Polychlorinated Diphenyl Ether) Interferences:

All criteria were met, so no action was taken.

Second Column Confirmation:

All criteria were met, so no action was taken.

IX.) Overall Assessment of Data/General:

All data were acceptable with qualifications.

X.) Laboratory Certifications Concerning Data Validation Deliverables:

In the validation of the PCDD/PCDF data, several important informational items were not verifiable from the data packages. Southwest Laboratories of Oklahoma provided certifications concerning the procedures used in the laboratory and in data reporting which address these issues.

The following certifications were made by Southwest Laboratories of Oklahoma:

1.) For all Mass Resolution Checks, the resolving power was greater than 10,000 (10 percent valley) at m/z 304.9824.

2.) For all Mass Verification Checks, the exact mass of m/z 380.9760 was within 5 ppm of the required value.

Validata Chemical Services, Inc. has incorporated these certifications into its data review as fact, and they have formed the basis for data validation of the unverifiable items. Validata Chemical Services, Inc. takes no responsibility for the validity of these certifications.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422, Norcross, GA 30093

(770) 923-3890
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DATA VALIDATION SUMMARY REPORT

COMPANY:	EnSafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
PROJECT NUMBER:	8500.014
CONTRACTED LAB:	Southwest Laboratories of Oklahoma
EPA SOW/METHOD:	EPA 8290
VALIDATION GUIDELINES:	EPA 8290, Professional Judgement
SAMPLE MATRIX:	Soil
TYPES OF ANALYSES:	2,3,7,8-substituted PCDD's and PCDF's
SDG NO:	95-51

SAMPLES:

Client Sample #:	Lab Sample #:	Matrix	PCDD/ PCDF
GDCCB04501	22765.01	Soil	X
518CB00601	22778.01	Soil	X

D = DUPLICATE, MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE, RE = REANALYZED

DATA REVIEWER(S): Shawn S. Lin, Ph.D., Kevin C. Harmon

RELEASE SIGNATURE:

DATA QUALIFICATION SUMMARY

Southwest Laboratories of Oklahoma - 95-51 2,3,7,8-substituted PCDD's and PCDF's

SAMPLES: GDCCB04501, 518CB00601

2,3,7,8-SUBSTITUTED PCDD'S AND PCDF'S

I.) Holding Times:

All criteria were met, so no action was taken.

II.) HRGC/HRMS System Performance:

GC Column Performance:

All criteria were met, so no action was taken.

HRMS Resolution:

All criteria were met, so no action was taken.

Mass Verification:

All criteria were met, so no action was taken.

MS Data Acquisition:

All criteria were met, so no action was taken.

III.) Calibration:

Calibration Range:

EPA Method 1613 calibration and internal standard concentration levels were used for the analyses. Comparing to EPA Method 8290, the calibration ranges of two methods were not significantly different, so no action was deemed necessary.

Initial Calibration and Continuing Calibration Check:

All criteria were met, so no action was taken.

IV.) Blanks

Method Blanks:

Several 2,3,7,8-substituted PCDD's and PCDF's were detected in method blanks at the following concentrations:

Method Blank	Compound	Conc. ng/kg	Action Level ng/kg
BLK063001	1234678-HpCDD	0.83	4.2
	OCDD	11	55
	1234678-HpCDF	0.69	3.5
	OCDF	1.1	5.5

Detections of the above compounds in all associated samples below 5X the blank amounts were designated as EMPC (Estimated Maximum Possible Concentration).

Field Blanks:

No field blank was analyzed.

V.) Internal Standards Performance:

All criteria were met, so no action was taken.

VI.) Spike/Spike Duplicates:

No MS/MSD were analyzed. One LCS sample was analyzed. All criteria were met, so no action was taken.

VII.) Duplicates:

No field duplicates were analyzed.

VIII.) PCDD/PCDF Identifications:

Retention Times:

All criteria were met, so no action was taken.

Ion Abundance:

All criteria were met, so no action was taken.

S/N Ratio:

All criteria were met, so no action was taken.

PCDPE (Polychlorinated Diphenyl Ether) Interferences:

All criteria were met, so no action was taken.

Second Column Confirmation:

All criteria were met, so no action was taken.

IX.) Overall Assessment of Data/General:

All data were acceptable with qualifications.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422, Norcross, GA 30093

(770) 923-3890
(770) 923-8769 (Fax)

DATA VALIDATION SUMMARY REPORT

COMPANY:	Ensafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
PROJECT NUMBER:	8500.014
CONTRACTED LAB:	CompuChem Environmental Corp.
QA/QC LEVEL:	Level III, IV
EPA SOW/METHOD:	EPA 1990 SOW
VALIDATION GUIDELINES:	*USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review*, 1994
SAMPLE MATRIX:	Soil
TYPES OF ANALYSES:	Organophosphorus Pesticides (OP/PE)
SDG NUMBERS:	0006A

SAMPLES:

Client Sample #:	Lab Sample #:	Matrix	OP/PE
520CB00302	701021	Soil	X
520CB00302RE	701021RE	Soil	X
GRDCB01301	702012	Soil	X
GRDCB01302	701994	Soil	X
520CB00302MS	701022MS	Soil	X
520CB00302MSD	701023MSD	Soil	X

MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE, RE = REANALYSIS

DATA REVIEWER(S): Kent F. Pan, Ph. D., Marvin L. Smith, Jean M. Delashmit

RELEASE SIGNATURE:

Data Qualifier Definitions

J	-	The association numerical value is an estimated quantity.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 0006A Organophosphorus Pesticides

SAMPLES: 520CB00302, 520CB00302RE, GRDCB01301, GRDCB01302, 520CB00302MS, 520CB00302MSD

ORGANOPHOSPHORUS PESTICIDES

I.) Holding Times:

The holding time between sampling and reextraction of sample 520CB00302RE was 19 days, which exceeded the 14 day QC limit. The positive and non-detect results for this sample were flagged as estimated (J) and (UJ).

II.) Instrument Performance:

All Instrument Performance criteria were met. No action was necessary.

III.) Calibration:

All Calibration criteria were met, so no action was taken.

IV.) Blanks:

Method Blanks:

Sulfotepp, dimethoate, methyl-parathion, ethyl-parathion and famphur were detected at 0.52 ug/kg, 18 ug/kg, 9.0 ug/kg, 6.8 ug/kg and 5.9 ug/kg, respectively, in soil method blank PBLK04. All positive results for these compounds in associated sample 520CB00302 less than 5X the blank amounts were flagged as undetected (U) with the detection limit being raised to the level of contamination in the sample.

Sulfotepp, dimethoate, ethyl-parathion and famphur were detected at 2.5 ug/kg, 8.4 ug/kg, 5.3 ug/kg and 3.6 ug/kg, respectively, in soil blank PBLK67. All positive results for these compounds in associated samples GRDCB02302 and GRDCB01301 less than 5X the blank amounts were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample.

Sulfotepp, disulfoton, dimethoate, methyl-parathion and ethyl-parathion were detected at 3.4 ug/kg, 4.3 ug/kg, 19 ug/kg, 9.9 ug/kg and 7.9 ug/kg, respectively, in soil blank PBLK22. All positive results for these compounds in the associated sample 520CB00302RE less than 5X the blank amounts were flagged as undetected (U) with the detection limit being raised to the level of contamination in the sample.

V.) Surrogate Recoveries:

The Percent Recovery (%R) of methidathion on the primary column was 45%, which was below the 50-135% QC limits for sample 520CB00302RE. All results for this sample were previously flagged based on the holding time. No further action was necessary.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

The MS / MSD Percent Recoveries (%R's) of the following compounds were above their respective QC limits in soil spiked samples 520CB00302MS and 520CB00302MSD:

Compound	MS (%R)	MSD (%R)	QC Limits (%R)
disulfoton	142	141	50-135
famphur	141	141	50-135
methyl-parathion	141	141	50-135
ethyl-parathion	153	141	50-135
dimethoate	163	151	50-135
sulfotepp	142	141	50-135

All positive results for these compounds in sample 520CB00302 were determined to be blank contaminants. No further action was required.

VII.) TCL Compound Identification:

Column Percent Differences (%D's) were not evaluated because the reported positive sample results were determined to be blank contaminants.

VIII.) Field Duplicates:

There were no field duplicate samples associated with this SDG. No action was required.

IX.) Overall Assessment of Data/General:

The initial analysis of sample 520CB00302 was considered to be of preferable data quality to the reanalysis results due to holding time exceedance for the reanalysis. All laboratory data were acceptable with qualification.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422, Norcross, Ga. 30093

DATA VALIDATION SUMMARY REPORT

COMPANY:	Ensafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
PROJECT NUMBER:	8500.014
CONTRACTED LAB:	CompuChem Environmental Corp.
QA/QC LEVEL:	Level III
EPA SOW/METHOD:	EPA 1990 SOW
VALIDATION GUIDELINES:	*National Functional Guidelines for Organic Data Review,* 1994; *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review*
SAMPLE MATRICES:	Soil and Water
TYPES OF ANALYSES:	Organophosphorus Pesticides (OP/PE)
SDG NUMBERS:	0001A, 004AB, 0004A, 0005A, 010AB, 0010A

SAMPLES:

SDG NUMBER: 0001A

Client Sample #:	Lab Sample #:	Matrix	OP/PE
044CB00701	690184	Soil	X
044CB00701RE	690184RE	Soil	X
508CB00601	692242	Soil	X
510CB00502	690169	Soil	X
510CB00502RE	690169RE	Soil	X
511CB00502	692108	Soil	X
512CB00301	690551	Soil	X
512CB00301MS	690170MS	Soil	X
512CB00301MSD	690171MSD	Soil	X
512CB00301RE	690551RE	Soil	X
512CB00301REMS	690551REMS	Soil	X
512CB00301REMSD	690551REMSD	Soil	X

C = FIELD DUPLICATE, MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE, RE = REANALYSIS

SDG NUMBER: 004AB

Client Sample #:	Lab Sample #:	Matrix	OP/PE
523EB00202	697932	Water	X
523DB00202	697884	Water	X

EB = EQUIPMENT BLANK, DB = DEIONIZED BLANK

SDG NUMBER: 0004A

Client Sample #:	Lab Sample #:	Matrix	OP/PE
517CB00202	698358	Soil	X
517CB00202RE	698358RE	Soil	X
523CB00202	698017	Soil	X
523CB00202MS	698018MS	Soil	X
523CB00202MSD	698019MSD	Soil	X
523CB00202RE	698017RE	Soil	X

C = FIELD DUPLICATE, MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE, RE = REANALYSIS

SDG NUMBER 0005A

Client Sample #:	Lab Sample #:	Matrix	OP/PE
518CB00401	699032	Soil	X
518CB00401MS	699033MS	Soil	X
518CB00401MSD	699033MSD	Soil	X

C = FIELD DUPLICATE, MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

SDG NUMBER: 010AB

Client Sample #:	Lab Sample #:	Matrix	OP/PE
GRDEB01701	702492	Water	X
GRDDB01701	702520	Water	X

EB = EQUIPMENT BLANK, DB = DEIONIZED BLANK

SDG NUMBER: 0010A

Client Sample #:	Lab Sample #:	Matrix	OP/PE
047CB00401	703369	Soil	X
047CB00401MS	702407MS	Soil	X
047CB00401MSD	702408MSD	Soil	X
513CB00202	702406	Soil	X
513CB00202RE	702406RE	Soil	X
GRDCB01701	702588	Soil	X
GRDCB01701RE	702588RE	Soil	X
GRDCB03502	702427	Soil	X
GRDCB03502RE	702427RE	Soil	X

C = FIELD DUPLICATE, MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE, RE = REANALYSIS

DATA REVIEWER(S): Amy L. Hogan, Marvin L. Smith

RELEASE SIGNATURE:

Data Qualifier Definitions:

J	-	The associated numerical value is an estimated quantity.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

CompuChem - 0001A Organics

SAMPLES: 044CB00701, 044CB00701RE, 508CB00601, 510CB00502, 510CB00502RE, 511CB00502, 512CB00301, 512CB00301MS, 512CB00301MSD, 512CB00301RE, 512CB00301REMS, 512CB00301REMSD

ORGANOPHOSPHORUS PESTICIDES

I.) Holding Times:

The holding times between sample date and extraction date for the following samples exceeded the 14 day QC limit:

044CB00701RE	17
510CB00502RE	17
512CB00301RE	16

The positive and non-detect results for these samples were flagged as estimated (J) and (UJ).

II.) Instrument Performance:

All Instrument Performance criteria were met. No action was necessary.

III.) Calibration:

All Calibration criteria were met, so no action was taken.

IV.) Blanks:

Method Blanks:

Dimethoate was detected at 12 ug/kg in soil blank PBLK83. All positive results for this compound in associated samples 510CB00502, 044CB00701 and 512CB00301 less than 5X the blank amount were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample.

Dimethoate, parathion and famphur were detected at 17 ug/kg, 4.8 ug/kg and 12 ug/kg, respectively, in soil blank PBLK67. All positive results for these compounds in associated samples 510CB00502RE, 044CB00701RE and 512CB00301RE less than 5X the blank amount were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample.

Sulfotepp, disulfoton, dimethoate, methyl parathion and famphur were detected at 1.7 ug/kg, 13 ug/kg, 31 ug/kg, 4.0 ug/kg and 16 ug/kg, respectively, in soil blank PBLK23. All positive results for these compounds in associated samples 508CB00601 and 511CB00502 less than 5X the blank amount were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample.

V.) Surrogate Recoveries:

The Percent Recoveries (%R's) of methidathion on the primary column (34%) and on the confirmation column (32%) were below the 50-135% QC limits for sample 520CB00502RE. All results for this sample were previously flagged based on holding times. No further action was necessary.

VI.) Matrix Spike/Matrix Spike Duplicate (MS / MSD):

The Relative Percent Differences (RPD's) of the following compounds exceeded the 35% QC limit for spiked soil samples 512CB00301REMS and 512CB00301REMSD:

famphur	38%
dimethoate	61%
sulfotepp	47%

The results for these compounds in associated sample 512CB00301RE were previously flagged based on holding times. No further action was required.

The Percent Recovery (%R) of dimethoate (38%) was below the 50-135% QC limits for sample 512CB00301REMS. Since associated sample 512CB00301RE was previously qualified based on holding time, no further action was required.

VII.) TCL Compound Identification:

Pesticides Identification Summary (PIS):

The Column Percent Differences (%D's) for dimethoate (495%) and famphur (440%) in sample 044CB00701RE exceeded the 70% QC limit. The results for these compounds were non-detects after qualification for blank contamination. No action was required.

The Column %D for methyl parathion (733%) in sample 508CB00601 exceeded the 70% QC limit. The result for this compound was non-detect after qualification for blank contamination. No further action was required.

The Column Percent Differences (%D's) for methyl parathion (104%) and parathion (169%) in sample 510CB00502 exceeded the 70% QC limit . The results for these compounds in this sample were flagged as estimated (J).

The Column Percent Differences (%D's) for dimethoate (335%) and methyl parathion (112%) in sample 510CB00502RE exceeeded the 70% QC limit. The results for these compound were previously flagged as estimated (J) and (UJ). No further action was required.

The Column Percent Differences (%D's) for phorate (146%), dimethoate (81.8) and famphur (113%) in sample 511CB00502 exceeded the 70% QC limit. The positive result for phorate was flagged as estimated (J). The other compounds were non-detects after blank qualification. No further action was required.

The Column Percent Differences (%D's) for dimethoate (806%) and methyl parathion (240%) in sample 512CB00301 exceeded the 70% QC limit. The result for methyl parathion was flagged as estimated (J). The result for dimethoate was non-detect after blank qualification. No further action was required.

The Column Percent Differences (%D's) for sulfotepp (100%), dimethoate (142%) and parathion (310%) in sample 512CB00301RE exceeded the 70% QC limit. The results for these compounds were previously flagged as estimated based on the holding time. No further action was required.

VIII.) Field Duplicates:

The field duplicates for samples 044CB00701, 508CB00601, 510CB00502, 511CB00502 and 512CB00301 were not contained in this SDG. No action was necessary.

IX.) Overall Assessment of Data/General:

The initial analysis of samples 044CB00701, 510CB00502 and 512CB00301 was considered by the validator to be of preferable data quality to the reanalysis results due to holding time exceedances for the reanalyses. All laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

CompuChem - 004AB Organics

SAMPLES: 523EB00202, 523DB00202

ORGANOPHOSPHORUS PESTICIDES

I.) Holding Times:

All samples were extracted and analyzed within the required holding times. No action was required.

II.) Instrument Performance:

All Instrument Performance criteria were met. No action was necessary.

III.) Calibration:

All Calibration criteria were met, so no action was taken.

IV.) Blanks:

Method Blanks:

The following compounds were detected in water blank PBLK46:

sulfotepp	0.076 ug/L
dimethoate	0.38 ug/L
methyl parathion	0.13 ug/L
ethyl parathion	0.12 ug/L
famphur	0.36 ug/L

Since all associated samples were field blanks, no action was necessary.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No action was required.

VI.) Matrix Spike/Matrix Spike Duplicate (MS / MSD):

There were no MS / MSD analyses associated with this SDG. No action was required.

VII.) TCL Compound Identification:

All TCL Compound Identification criteria were met. No action was required.

VIII.) Field Duplicates:

There were no field duplicate samples associated with this SDG. No action was required.

IX.) Overall Assessment of Data/General:

All laboratory data were acceptable without qualification.

DATA QUALIFICATION SUMMARY

CompuChem - 0004A Organics

SAMPLES: 517CB00202, 517CB00202RE, 523CB00202, 523CB00202MS, 523CB00202MSD, 523CB00202RE

ORGANOPHSOPHORUS PESTICIDES

I.) Holding Times:

The holding times from sample date to extraction date for samples 523CB00202RE and 517CB00202RE were 24 days and 23 days, respectively, which exceeded the 14 day QC limit. All results for these samples were flagged as estimated (J) and (UJ).

II). Instrument Performance:

All Instrument Performance criteria were met. No action was necessary.

III.) Calibration:

All Calibration criteria were met, so no action was taken.

IV.) Blanks:

Method Blanks:

Phorate, sulfotepp, disulfoton, dimethoate, methyl parathion, parathion and famphur were detected at 5.9 ug/kg, 3.1 ug/kg, 3.1 ug/kg, 17 ug/kg, 5.6 ug/kg, 3.1 ug/kg and 8.5 ug/kg, respectively, in soil blank PBLK45. All positive results for these compounds in associated samples 523CB00202 and 517CB00202 less than 5X the blank amounts were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample.

Phorate, sulfotepp, disulfoton, dimethoate, methyl parathion, parathion and famphur were detected at 4.3 ug/kg, 5 ug/kg, 1.7 ug/kg, 23 ug/kg, 8.3 ug/kg, 11 ug/kg and 12 ug/kg, respectively, in soil blank PBLK77. All positive results for these compounds in associated samples 523CB00202RE and 517CB00202RE less than 5X the blank amounts were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample.

Five compounds were detected in soil method blank PBLK98. Since the only associated samples were the MS / MSD's, no action was necessary.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No action was required.

VI.) Matrix Spike/Matrix Spike Duplicate (MS / MSD):

All MS / MSD criteria were met. No action was required.

VII.) TCL Compound Identification:

Pesticides Identification Summary (PIS):

The Column Percent Differences (%D's) for sulfotepp (179%) and methyl parathion (78.6%) in sample 517CB00202RE exceeded the 70% QC limit. The results for these compounds were previously flagged as estimated based on the holding time. No further action was required.

The Column Percent Differences (%D's) for sulfotepp (200%) and famphur (110%) in sample 523CB00202 exceeded the 70% QC limit. There were no positive results for these compounds in this sample. No action was required.

VIII.) Field Duplicates:

The field duplicates for samples 517CB00202 and 523CB00202 were not contained in this SDG. No action was necessary.

IX.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification.

The initial analysis of samples 517CB00202 and 523CB00202 was considered by the validator to be of preferable data quality over the reanalyses because of holding time exceedances for the reanalyses.

DATA QUALIFICATION SUMMARY

CompuChem - 0005A Organics

SAMPLES: 518CB00401, 518CB00401MS, 518CB00401MSD

ORGANOPHOSPHORUS PESTICIDES

I.) Holding Times:

All samples were extracted and analyzed within the required holding times. No action was required.

II.) Instrument Performance:

All Instrument Performance criteria were met. No action was necessary.

III.) Calibration:

All Calibration criteria were met, so no action was taken.

IV.) Blanks:

Method Blanks:

The following compounds were detected in soil blank PBLK85:

sulfotepp	2.1 ug/kg
dimethoate	8.7 ug/kg
methyl parathion	4.1 ug/kg
parathion	6.8 ug/kg
famphur	12 ug/kg

All positive results for these compounds in sample 518CB00401 less than 5X the blank amounts were flagged as undetected (U) with the detection limit being raised to the level of contamination in the sample.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No action was required.

VI.) Matrix Spike/Matrix Spike Duplicate (MS / MSD):

All MS / MSD criteria were met, so no action was taken.

VII.) TCL Compound Identification:

The Column Percent Difference (%D) for famphur (78.1%) in sample 518CB00401 exceeeded the 70% QC limit. The result for this compound was non-detect after blank qualification. No action was required.

VIII.) Field Duplicates:

The field duplicate for sample 518CB00401 was not contained in this SDG. No action was necessary.

IX.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

CompuChem - 010AB Organics

SAMPLES: GRDEB01701, GRDDB01701

ORGANOPHOSPHORUS PESTICIDES

I.) Holding Times:

All samples were extracted and analyzed within the required holding times. No action was required.

II.) Instrument Performance:

All Instrument Performance criteria were met. No action was necessary.

III.) Calibration:

All Calibration criteria were met, so no action was taken.

IV.) Blanks:

Method Blanks:

The following compounds were detected in soil blank PBLK03:

sulfotepp	0.19 ug/L
disulfoton	0.23 ug/L
dimethoate	0.48 ug/L
methyl parathion	0.18 ug/L
ethyl parathion	0.27 ug/L
famphur	0.47 ug/L

Since the associated samples were field blanks, no action was required.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No action was required.

VI.) Matrix Spike/Matrix Spike Duplicate (MS / MSD):

There were no MS / MSD's associated with this SDG. No action was required.

VII.) TCL Compound Identification:

All TCL Compound Identification criteria were met. No action was necessary.

VIII.) Field Duplicates:

There were no field duplicate samples for this SDG. No action was necessary.

IX.) Overall Assessment of Data/General:

All laboratory data were acceptable without qualification.

DATA QUALIFICATION SUMMARY

CompuChem - 0010A Organics

SAMPLES: 047CB00401, 047CB00401MS, 047CB00401MSD, 513CB00202, 513CB00202RE, GRDCB01701, GRDCB01701RE, GRDCB03502, GRDCB03502RE

ORGANOPHOSPHORUS PESTICIDES

I.) Holding Times:

The holding times from sampling to extraction for samples GRDCB01701RE, GRDCB03502RE and 513CB00202RE were each 20 days, which exceeded the 14 day QC limit. All positive and non-detect results for these samples were flagged as estimated (J) and (UJ).

II.) Instrument Performance:

All Instrument Performance criteria were met. No action was necessary.

III.) Calibration:

All Calibration criteria were met, so no action was taken.

IV.) Blanks:

Method Blanks:

The following compounds were detected in soil blank PBLK39:

sulfotepp	4.3 ug/kg
disulfoton	5.4 ug/kg
dimethoate	11 ug/kg
methyl parathion	8.7 ug/kg
ethyl parathion	4.7 ug/kg
famphur	6.8 ug/kg

All positive results for these compounds in associated sample 047CB00401 less than 5X the blank amounts were flagged as undetected (U) with the laboratory results being replaced by the detection limit.

The following compounds were detected in soil blank PBLK04:

phorate	3.6 ug/kg
dimethoate	10 ug/kg
methyl parathion	7.4 ug/kg
ethyl parathion	2.1 ug/kg
famphur	7.7 ug/kg

All positive results for these compounds in associated samples GRDCB01701, 513CB00202 and GRDCB03502 less than 5X the blank amounts were flagged as undetected (U) with the laboratory results being replaced by the detection limit.

The following compounds were detected in soil blank PBLK44:

sulfotepp	3.2 ug/kg
disulfoton	3.2 ug/kg
dimethoate	14 ug/kg
methyl parathion	6.2 ug/kg

All positive results for these compounds in associated samples GRDCB01701RE, 513CB00202RE and GRDCB03502RE less than 5X the blank amounts were flagged as undetected (U) with the detection limit being raised to the levels of contamination in each sample.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No action was required.

VI.) Matrix Spike/Matrix Spike Duplicate (MS / MSD):

All MS / MSD criteria were met, so no action was necessary.

VII.) TCL Compound Identification:

The Column Percent Differences (%D's) for sulfotepp (400%), disulfoton (87.5%) and parathion (79.5%) in sample GRDCB01701RE exceeded the 70% QC limit. The results for these compounds were previously flagged as estimated. No further action was required.

The Column %D for dimethoate (139%) in sample GRDCB01701 exceeded the 70% QC limit. The result for this compound was non-detect after blank qualification. No further action was required.

The Column Percent Difference (%D) for famphur (173%) in sample GRDCB03502 exceede the 70% QC limit. The result for this compound was non-detect after blank qualification. No further action was required.

The Column Percent Difference (%D) for parathion (141%) in sample 513CB00202 exceeded the 70% QC limit. The result for this compound was non-detect after blank qualification. No further action was required.

The Column Percent Difference (%D) for famphur (111%) in sample 513CB00202RE exceeded the 70% QC limit. The result for this compound was previously flagged as estimated. No further action was necessary.

VIII.) Field Duplicates:

The field duplicates for samples 047CB00401, 513CB00202, GRDCB01701 and GRDCB03502 were not contained in this SDG. No action was necessary.

IX.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification.

The initial analyses of samples GRDCB01701, 513CB00202 and GRDCB03502 were considered by the validator to be preferable to the reanalysis results due to holding time exceedances for the reanalyses.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422, Norcross, GA 30093

(770) 923-3890
(770) 923-8769 (Fax)

DATA VALIDATION SUMMARY REPORT

COMPANY:	EnSafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
CASE NUMBER:	30215
PROJECT NUMBER:	8500.14
CONTRACTED LAB:	CompuChem Environmental Corporation
QA/QC LEVEL:	Level III
EPA SOW/METHOD:	EPA 1990 SOW
VALIDATION GUIDELINES:	*USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review,* 1994
SAMPLE MATRIX:	Water
TYPES OF ANALYSES:	Chloride, Sulfate, Total Dissolved Solids (TDS)
SDG NUMBER:	30215.18J

SAMPLES:

Client Sample No:	Lab Number:	Matrix	Chloride	Sulfate	TDS
044HW00401	731400	Water	X	X	X
044HW00401MS	731404MS	Water		X	
044HW00401MSD	731405MSD	Water		X	
044HW00401MS	731401MS	Water	X		
044HW00401MSD	731402MSD	Water	X		

MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

DATA REVIEWER(S): Marvin L. Smith, Jean M. Delashmit

RELEASE SIGNATURE:

Data Qualifier Definitions

J	-	The association numerical value is an estimated quantity.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 30215.18J Chloride, Sulfate, Total Dissolved Solids

SAMPLES: 044HW00401, 044HW00401MS, 044HW00401MSD

CHLORIDE

I.) Holding Times:

All Holding Time criteria were met, so no action was taken.

II.) Calibration:

All Calibration criteria were met, so no action was necessary.

III.) Blanks:

Method Blanks:

There was no positive detections in the method blanks, so no action was taken.

Field Blanks:

There were no field blanks associated with this SDG. No action was required.

IV.) Laboratory Control Samples (LCS):

All Blank Spike Percent Recovery criteria were met, so no action was taken.

V.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

All MS / MSD Recovery criteria were met. Data qualification was not required.

VI.) Field Duplicates:

There were no field duplicate samples associated with this SDG. No action was necessary.

VII.) Sample Result, Calculation/Transcription Verification:

All criteria were met, so no action was taken.

VIII.) Overall Assessment of Data/General:

All laboratory data were acceptable without qualification. The data package cover letter identified these samples as Zone I. The Chain of Custody indicated Zone C sampling. The error was corrected in this narrative to match the chain of custody.

SULFATE

I.) Holding Times:

All Holding Time criteria were met, so no action was taken.

II.) Calibration:

All Calibration criteria were met, so no action was necessary.

III.) Blanks:

Method Blanks:

There were no positive detections in the method blanks, so no action was taken.

Field Blanks:

There were no field blanks associated with this SDG. No action was required.

IV.) Laboratory Control Samples (LCS):

All Blank Spike Percent Recovery criteria were met, so no action was taken.

V.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

The MS / MSD analyses were diluted out. Data qualification was not required.

VI.) Field Duplicates:

There were no field duplicate samples associated with this SDG. No action was necessary.

VII.) Sample Result, Calculation/Transcription Verification:

All criteria were met, so no action was taken.

VIII.) Overall Assessment of Data/General:

All laboratory data were acceptable without qualification. The data package cover letter identified these samples as Zone I. The Chain of Custody indicated Zone C sampling. The error was corrected in this narrative to match the chain of custody.

TOTAL DISSOLVED SOLIDS

I.) Holding Times:

All Holding Time criteria were met, so no action was taken.

II.) Calibration:

All Calibration criteria were met, so no action was necessary.

III.) Blanks:

Method Blanks:

There were no positive detections in the method blanks, so no action was taken.

Field Blanks:

There were no field blanks associated with this SDG. No action was required.

IV.) Laboratory Control Samples (LCS):

All Blank Spike Percent Recovery criteria were met, so no action was taken.

V.) Duplicate Sample Analysis:

There was no Duplicate Sample Analysis for this SDG. No action was necessary.

VI.) Matrix Spike Recoveries:

There was no Matrix Spike Recovery analysis performed for this SDG. No action was taken.

VII.) Field Duplicates:

There were no field duplicate samples associated with this SDG. No action was required.

VIII.) Sample Result, Calculation/Transcription Verification:

All criteria were met, so no action was taken.

IX.) Overall Assessment of Data/General:

All laboratory data were acceptable without qualification. The data package cover letter identified these samples as Zone I. The Chain of Custody indicate Zone C sampling. The error was corrected in this narrative to match the chain of custody.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422, Norcross, GA 30093

(770) 923-3890
(770) 923-8769 (Fax)

DATA VALIDATION SUMMARY REPORT

COMPANY:	Ensafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
PROJECT NUMBER:	8500.014
CASE NUMBERS:	30215
CONTRACTED LAB:	CompuChem Environmental Corporation
QA/QC LEVEL:	Level III
EPA SOW/METHOD:	EPA 1990 SOW
VALIDATION GUIDELINES:	*USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review,* 1994; *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review,* 1994
SAMPLE MATRIX:	Soil
TYPES OF ANALYSES:	Total Organic Carbon (TOC), Ammonia, Nitrate/Nitrite, Total Phosphorus
SDG NUMBERS:	30215.24, 30215.24J

SAMPLES:

SDG: 30215.24

Client Sample No:	Lab Number:	Matrix	TOC
044SB00601	755135	Soil	X
047SB00501	755066	Soil	X
047SB00502	755118	Soil	X
508SB00301	754918	Soil	X
511SB00601	754860	Soil	X
511SB00602	754883	Soil	X
515SB00301	756874	Soil	X
515SB00302	756878	Soil	X
515SB003X1	753675	Soil	X
515SB003X2	753679	Soil	X
518SB00101	756882	Soil	X
518SB00102	756881	Soil	X
520SB00501	756879	Soil	X

Client Sample No:	Lab Number:	Matrix	TOC
520SB00502	756880	Soil	X
GDCSB00101	753680	Soil	X
GDCSB00102	753681	Soil	X
515SB003X1MS	753676	Soil	X
515SB003X1MSD	753677	Soil	X

MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

SDG: 30057.24J

Client Sample No:	Lab Number:	Matrix	Ammonia	Nitrate Nitrite	Phosphorus
044SB00601	755139	Soil	X	X	X
047SB00501	755067	Soil	X	X	X
047SB00502	755124	Soil	X	X	X
508SB00301	754920	Soil	X	X	X
510SB00501	753682	Soil	X	X	X
510SB00502	753693	Soil	X	X	X
511SB00601	754862	Soil	X	X	X
511SB00602	754886	Soil	X	X	X
515SB00301	756883	Soil	X	X	X
515SB00302	756884	Soil	X	X	X
518SB00101	756888	Soil	X	X	X
518SB00102	756887	Soil	X	X	X
520SB00501	756885	Soil	X	X	X
520SB00502	756886	Soil	X	X	X
GDCSB00101	753694	Soil	X	X	X
GDCSB00102	753695	Soil	X	X	X
510SB00501MS	753687	Soil	X	X	X
510SB00501MSD	753688	Soil	X	X	X

MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

DATA REVIEWER(S): Kent F. Pan, Ph. D., Marvin L. Smith

RELEASE SIGNATURE:

Data Qualifier Definitions

J	-	The association numerical value is an estimated quantity.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 30215.24 Total Organic Carbon

SAMPLES: 044SB00601, 047SB00501, 047SB00502, 508SB00301, 511SB00601, 511SB00602, 515SB00301, 515SB00302, 515SB003X1, 515SB003X2, 518SB00101, 518SB00102, 520SB00501, 520SB00502, GDCSB00101, GDCSB00102, 515SB003X1MS, 515SB003X1MSD

TOTAL ORGANIC CARBON

I.) Holding Times:

All Holding Time criteria were met, so no action was required.

II.) Instrument Performance:

All Instrument Performance criteria were met, so no action was required.

III.) Calibration:

All Calibration criteria were met, so no action was required.

IV.) Blanks:

Method Blanks:

Organic carbon not detected in the blanks above the reporting limit. No action was taken.

V.) Laboratory Control Samples (LCS):

The LCS Percent Recovery (%R) was within the 80-120% QC limits, so no action was taken.

VI.) Duplicate Sample Analysis:

There were no Duplicate Sample Analyses performed in this SDG. No action was necessary.

VII.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

All MS / MSD criteria were met. No action was taken.

VIII.) Field Duplicates:

There were no field duplicate samples analyzed in this SDG. No action was taken.

IX.) Overall Assessment of Data/General:

All laboratory data were acceptable without qualification.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 30215.24J Inorganics

SAMPLES: 044SB00601, 047SB00501, 047SB00502, 508SB00301, 510SB00501, 510SB00502, 511SB00601, 511SB00602, 515SB00301, 515SB00302, 518SB00101, 518SB00102, 520SB00501, 520SB00502, GDCSB00101, GDCSB00102, 510SB00501MS, 510SB00501MSD

AMMONIA

I.) Holding Times:

All Holding Time criteria were met, so no action was required.

II.) Instrument Performance:

All Instrument Performance criteria were met, so no action was required.

III.) Calibration:

All Calibration criteria were met, so no action was required.

IV.) Blanks:

Method Blanks:

There was no positive detections above the reporting limit in the method blank. No action was taken.

V.) Laboratory Control Samples (LCS):

All LCS Percent Recovery criteria were met. No action was taken.

VI.) Duplicate Sample Analysis:

There were no Duplicate Sample Analyses performed in this SDG. No action was necessary.

VII.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

All MS / MSD criteria were met. No action was taken.

VIII.) Field Duplicates:

There were no field duplicate samples analyzed in this SDG. No action was taken.

IX.) Overall Assessment of Data/General:

All soil sample results were reported on the spreadsheets as "mg/L." This was corrected by the validator to read "mg/kg." All laboratory data were otherwise acceptable without qualification.

NITRATE / NITRITE

I.) Holding Times:

All Holding Time criteria were met, so no action was required.

II.) Instrument Performance:

All Instrument Performance criteria were met, so no action was required.

III.) Calibration:

All Calibration criteria were met, so no action was required.

IV.) Blanks:

Method Blanks:

There was no positive detections above the reporting limit in the method blank. No action was taken.

V.) Laboratory Control Samples (LCS):

The LCS Percent Recovery criteria were met. No action was taken.

VI.) Duplicate Sample Analysis:

There were no Duplicate Sample Analyses performed in this SDG. No action was necessary.

VII.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

All MS / MSD criteria were met. No action was taken.

VIII.) Field Duplicates:

There were no field duplicate samples analyzed in this SDG. No action was taken.

IX.) Overall Assessment of Data/General:

All soil sample results were reported on the spreadsheets as "mg/L." This was corrected by the validator to read "mg/kg." All laboratory data were otherwise acceptable without qualification.

TOTAL PHOSPHORUS

I.) Holding Times:

All Holding Time criteria were met, so no action was required.

II.) Instrument Performance:

All Instrument Performance criteria were met, so no action was required.

III.) Calibration:

All Calibration criteria were met, so no action was required.

IV.) Blanks:

Method Blanks:

There was no positive detections above the reporting limit in the method blank. No action was taken.

V.) Laboratory Control Samples (LCS):

The LCS Percent Recovery criteria were met. No action was taken.

VI.) Duplicate Sample Analysis:

There were no Duplicate Sample Analyses performed in this SDG. No action was necessary.

VII.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

All MS / MSD criteria were met. No action was taken.

VIII.) Field Duplicates:

There were no field duplicate samples analyzed in this SDG. No action was taken.

IX.) Overall Assessment of Data/General:

All soil sample results were reported on the spreadsheets as "mg/L." This was corrected by the validator to read "mg/kg." All laboratory data were otherwise acceptable without qualification.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422, Norcross, GA 30093

(770) 923-3890
(770) 923-8769 (Fax)

DATA VALIDATION SUMMARY REPORT

COMPANY:	Ensafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
PROJECT NUMBER:	8500.014
CONTRACTED LAB:	CompuChem Environmental Corp.
QA/QC LEVEL:	Level III, IV
EPA SOW/METHOD:	EPA 1990 SOW
VALIDATION GUIDELINES:	*USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review*, 1994
SAMPLE MATRICES:	Soil and Water
TYPES OF ANALYSES:	Organophosphorus Pesticides (OP/PE)
SDG NUMBERS:	0015A, 0016A, 0021A (IV)

SAMPLES:

SDG NUMBER: 0015A

Client Sample #:	Lab Sample #:	Matrix	OP/PE
519CB00101	706646	Water	X
519CB00101RE	706646RE	Water	X
519CB00101MS	706647MS	Water	X
Client Sample #:	Lab Sample #:	Matrix	OP/PE
519CB00101MSD	706648MSD	Water	X

MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE, RE = REANALYSIS

SDG NUMBER: 0016A

Client Sample #:	Lab Sample #:	Matrix	OP/PE
0007000001	707064	Water	X
519EB00101	706979	Water	X

E = EQUIPMENT BLANK

SDG NUMBER 0021A

Client Sample #:	Lab Sample #:	Matrix	OP/PE
518CB00601	736712	Soil	X
GDCCB04501	736412	Soil	X
518CB00601MS	736413MS	Soil	X
518CB00601MSD	736414MSD	Soil	X

MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

DATA REVIEWER(S): Kent F. Pan, Ph. D., Marvin L. Smith, Jean M. Delashmit

RELEASE SIGNATURE:

Data Qualifier Definitions

J	-	The association numerical value is an estimated quantity.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 0015A Organophosphorus Pesticides

SAMPLES: 519CB00101, 519CB00101RE, 519CB00101MS, 519CB00101MSD

ORGANOPHOSPHORUS PESTICIDES

I.) Holding Times:

The holding time between sample date and reextraction date for sample 519CB00101RE was 18 days, which exceeded the 14 day QC limit. The positive and non-detect results for this sample were flagged as estimated (J) and (UJ).

II.) Instrument Performance:

All Instrument Performance criteria were met. No action was necessary.

III.) Calibration:

All Calibration criteria were met, so no action was taken.

IV.) Blanks:

Method Blanks:

Sulfotepp, disulfoton, dimethoate, methyl-parathion, ethyl-parathion and famphur were detected at 5.9 ug/kg, 7.0 ug/kg, 25 ug/kg, 6.4 ug/kg, 4.9 ug/kg and 6.9 ug/kg, respectively, in soil blank PBLK43. All positive results for these compounds in associated sample 519CB00101 less than 5X the blank amounts were flagged as undetected (U) with the detection limit being raised to the level of contamination in the sample.

Dimethoate, methyl-parathion, ethyl-parathion and famphur were detected at 2.0 ug/kg, 15 ug/kg, 4.5 ug/kg and 4.9 ug/kg, respectively, in soil blank PBLK04. All positive results for these compounds in the associated sample 519CB00101RE less than 5X the blank amounts were flagged as undetected (U) with the detection limit being raised to the level of contamination in the sample.

V.) Surrogate Recoveries:

All Surrogate Percent Recovery criteria were met. No action was necessary.

VI.) Matrix Spike/Matrix Spike Duplicate (MS / MSD):

The MS / MSD Percent Recoveries (%R's) of the following compound were below their respective QC limits in soil spiked samples 519CB00101MS and 519CB00101MSD:

Compound	MS (%R)	MSD (%R)	QC Limits (%R)
dimethoate	14	10	50-135

The non-detect result for this compound in sample 519CB00101 was flagged as estimated (UJ).

VII.) TCL Compound Identification:

All TCL Compound Identification criteria were met. No action was taken.

VIII.) Field Duplicates:

There were no field duplicate samples associated with this SDG. No action was required.

IX.) Overall Assessment of Data/General:

The initial analysis of sample 519CB00101 was considered to be of preferable data quality to the reanalysis results due to holding time exceedance for the reanalysis. All laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 0016A Organophosphorus Pesticides

SAMPLES: 0007000001, 519EB00101

ORGANOPHOSPHORUS PESTICIDES

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) Instrument Performance:

All Instrument Performance criteria were met. No action was necessary.

III.) Calibration:

All Calibration criteria were met, so no action was taken.

IV.) Blanks:

Method Blank:

Dimethoate and ethyl-parathion were detected at 0.23 ug/kg and 0.22 ug/kg, respectively, in soil method blank PBLK44. Since there were no positive results for these compounds associated sample 0007000001, no action was taken.

Field Blank:

Ethyl-parathion was detected at 0.1 ug/kg in the equipment blank 519EB00101. Qualification for this compound was previously performed based on the method blank. No further action was necessary.

V.) Surrogate Recoveries:

All Surrogate Percent Recovery criteria were met. No action was necessary.

VI.) Matrix Spike/Matrix Spike Duplicate (MS / MSD):

There were no MS / MSD analyses associated with this SDG. No action was taken.

VII.) TCL Compound Identification:

All TCL Compound Identification criteria were met. No action was taken.

VIII.) Field Duplicates:

There were no field duplicate samples in with this SDG. No action was required.

IX.) Overall Assessment of Data/General:

All laboratory data were acceptable without qualification.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 0021A Organophosphorus Pesticides

SAMPLES: 518CB00601, GDCCB04501, 518CB00601MS, 518CB00601MSD

ORGANOPHOSPHORUS PESTICIDES

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) Instrument Performance:

All Instrument Performance criteria were met. No action was necessary.

III.) Calibration:

All Calibration criteria were met, so no action was taken.

IV.) Blanks:

Method Blanks:

Sulfotepp, dimethoate, methyl-parathion, ethyl-parathion and famphur were detected at 3.7 ug/kg, 16 ug/kg, 4.5 ug/kg, 5.8 ug/kg and 1.2 ug/kg, respectively, in soil method blank PBLK70. The positive results for these compounds in associated sample GDCCB04501 less than 5X the blank amounts were flagged as undetected (U) with the analytical results below CRQL being replaced with the CRQL.

Dimethoate was detected at 19 ug/kg in soil blank PBLK84. Since there was no positive result for this compound in the associated sample 518CB00601, no action was necessary.

V.) Surrogate Recoveries:

The Percent Recovery (%R) of methidathion on the primary column (150%) was above the 50-135% QC limits for sample 518CB00601. Since there were no positive results for this sample, no action was required.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

The MS / MSD Relative Percent Difference (RPD) for dimethoate in sample 518CB00601 was 37%, which exceeded the 20% QC limit. The non-detect result for dimethoate in this sample was flagged as estimated (UJ).

VII.) TCL Compound Identification:

All criteria were met, so no action was necessary.

VIII.) Field Duplicates:

There was no field duplicate sample pair associated with this SDG. No action was required.

IX.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422, Norcross, GA 30093

(770) 923-3890
(770) 923-8769 (Fax)

DATA VALIDATION SUMMARY REPORT

COMPANY:	Ensafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
PROJECT NUMBER:	8500.014
CONTRACTED LAB:	CompuChem Environmental Co.
QA/QC LEVEL:	Level III
EPA SOW/METHOD:	EPA 1990 SOW
VALIDATION GUIDELINES:	*USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review,* 1994
SAMPLE MATRICES:	Water and Sediment
TYPES OF ANALYSES:	Total Organic Carbon (TOC)
SDG NUMBERS:	30215.14MB, 30215.14W

SAMPLES:

SDG NUMBER: 30215.14MB

Client Sample #:	Lab Sample #:	Matrix	TOC
044EB00901	704070	Water	X
044DB00901	704063	Water	X

D = DEIONIZED WATER BLANK, E = EQUIPMENT BLANK

SDG NUMBER: 30215.14W

Client Sample #:	Lab Sample #:	Matrix	TOC
044M000901	704071	Sediment	X
044M001001	704083	Sediment	X
044M001101	704086	Sediment	X
044M001201	704867	Sediment	X
044M001301	704879	Sediment	X
044M001401	704884	Sediment	X
044M001501	704889	Sediment	X

Client Sample #:	Lab Sample #:	Matrix	TOC
044M001601	704897	Sediment	X
044M001701	704903	Sediment	X
044M000901MS	704072	Sediment	X
044M000901MSD	704073	Sediment	X

MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

DATA REVIEWER(S): Kent F. Pan, Ph. D., Marvin L. Smith, Jean M. Delashmit

RELEASE SIGNATURE:

Data Qualifier Definitions

J	-	The association numerical value is an estimated quantity.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 30215.14MB Organic Carbon

SAMPLES: 044EB00901, 044DB00901

TOTAL ORGANIC CARBON

I.) Holding Times:

All Holding Time criteria were met, so no action was required.

II.) Instrument Performance:

All Instrument Performance criteria were met, so no action was required.

III.) Calibration:

All Calibration criteria were met, so no action was required.

IV.) Blanks:

Method Blanks:

There were no positive detections in the method blanks for TOC analysis. No action was required.

Field Blanks:

TOC was detected at 1.48 ug/L in the field blank 044EB00901. Since only blank samples were analyzed in this SDG, no action was taken.

V.) Laboratory Control Samples (LCS):

The Blank Spike Percent Recovery (%R) was within the 80%-120% QC limits, so no action was taken.

VI.) Duplicate Sample Analysis:

There were no Duplicate Sample Analyses performed in this SDG. No action was necessary.

VII.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

There were no MS / MSD analyses performed in this SDG. No action was required.

IX.) Field Duplicates:

There were no field duplicate samples analyzed in this SDG. No action was taken.

X.) Overall Assessment of Data/General:

All laboratory data were acceptable without qualification.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 30215.14W Organic Carbon

SAMPLES: 044M000901, 044M001001, 044M001101, 044M001201, 044M001301, 044M001401, 044M001501, 044M001601, 044M001701, 044M000901MS, 044M000901MSD

TOTAL ORGANIC CARBON

I.) Holding Times:

All Holding Time criteria were met, so no action was required.

II.) Instrument Performance:

All Instrument Performance criteria were met, so no action was required.

III.) Calibration:

All Calibration criteria were met, so no action was required.

IV.) Blanks:

Method Blanks:

There were no positive detections in the method blanks for TOC analysis.

V.) Laboratory Control Samples (LCS):

The Blank Spike Percent Recovery (%R) was within the 80-120% QC limits, so no action was taken.

VI.) Duplicate Sample Analysis:

There were no Duplicate Sample Analyses performed in this SDG. No action was necessary.

VII.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

All MS / MSD criteria were met. No action was required.

IX.) Field Duplicates:

There were no field duplicate samples analyzed in this SDG. No action was taken.

X.) Overall Assessment of Data/General:

The laboratory sample ID's were not reported on the spreadsheet. This was corrected during validation. All laboratory data were otherwise acceptable without qualification.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422, Norcross, Ga. 30093

DATA VALIDATION SUMMARY REPORT

COMPANY:	Ensafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
PROJECT NUMBER:	8500.014
CONTRACTED LAB:	CompuChem Environmental Co.
QA/QC LEVEL:	Level III
EPA SOW/METHOD:	EPA 1990 SOW
VALIDATION GUIDELINES:	*National Functional Guidelines for Organic Data Review,* 1994; *Laboratory Data Validation Functional Guidelines for Evaluating Inorganics Analyses,* 1994; *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review,* 1994; *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review,* 1994
SAMPLE MATRICES:	Soil and Water
TYPES OF ANALYSES:	Hexavalent Chromium (Hex)
SDG NUMBERS:	30215.1T, 30215.IT, 30215.4TB, 30215.10TB

SAMPLES:

SDG NUMBER: 30215.1T

Client Sample #:	Lab Sample #:	Matrix	Hex
508CB00601	692246	Soil	X
511CB00502	692112	Soil	X
511CB00502MS	692112MS	Soil	X
511CB00502MSD	692112MSD	Soil	X

C = FIELD DUPLICATE, MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

SDG NUMBER: 30215.IT

Client Sample #:	Lab Sample #:	Matrix	Hex
044CB00701	690188	Soil	X
510CB00502	690179	Soil	X
512CB00301	690553	Soil	X
512CB00301MS	690553MS	Soil	X
512CB00301MSD	690553MSD	Soil	X

C = FIELD DUPLICATE, MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

SDG NUMBER: 30215.4TB

Client Sample #:	Lab Sample #:	Matrix	Hex
523EB00202	697935	Water	X
523DB00202	697894	Water	X

EB = EQUIPMENT BLANK, DB = DEIONIZED BLANK

SDG NUMBER: 30215.10TB

Client Sample #:	Lab Sample #:	Matrix	Hex
GRDEB01701	702509	Water	X
GRDDB01701	702547	Water	X

EB = EQUIPMENT BLANK, DB = DEIONIZED BLANK

DATA REVIEWER(S): Amy L. Hogan, Marvin L. Smith

RELEASE SIGNATURE:

Data Qualifier Definitions:

J	-	The associated numerical value is an estimated quantity.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

CompuChem - 30215.1T Inorganics

SAMPLES: 508CB00601, 511CB00502, 511CB00502MS, 511CB00502MSD

HEXAVALENT CHROMIUM

I.) Holding Times:

The holding times from sampling to analyses were both 7 days for samples 511CB00502 and 508CB00601, which exceeded the 24 hour technical holding time for hexavalent chromium. All results for these samples, which consisted of non-detcts, were flagged as estimated (UJ).

II.) Calibration:

All Calibration criteria were met. No action was required.

III.) Blanks:

All Method Blank criteria were met. No action was required.

IV.) Laboratory Control Samples (LCS):

All Laboratory Control Sample criteria were met. No action was required.

V.) Duplicate Sample Analysis:

All Duplicate Sample criteria were met. No action was necessary.

VI.) Matrix Spike Recoveries:

All MS / MSD criteria were met. No action was required.

VII.) Field Duplicates:

The field duplicates for 508CB00601 and 511CB00502 were not contained in this SDG. No action was required.

VIII.) Sample Result, Calculation/Transcription Verification:

All criteria were met, so no action was taken.

IX.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

ConpuChem - 30215.IT Inorganics

SAMPLES: 044CB00701, 510CB00502, 512CB00301, 512CB00301MS, 512CB00301MSD

HEXAVALENT CHROMIUM

I.) Holding Times:

The following samples exceeded the 24 hour technical holding time for hexavalent chromium:

Client Sample #:	Days between sampling and analysis
512CB00301	7
510CB00502	8
044CB00701	8

All results for these samples, which consisted entirely of non-detects, were flagged as estimated (UJ).

II.) Calibration:

All Calibration criteria were met. No action was required.

III.) Blanks:

All Method Blank criteria were met. No action was required.

IV.) Laboratory Control Samples (LCS):

All Laboratory Control Sample criteria were met. No action was required.

V.) Duplicate Sample Analysis:

All Duplicate Sample criteria were met. No action was necessary.

VI.) Matrix Spike Recoveries:

All MS / MSD criteria were met. No action was required.

VII.) Field Duplicates:

The field duplicates for samples 044CB00701, 510CB00502 and 512CB00301 were not contained in this SDG. No action was required.

VIII.) Sample Result, Calculation/Transcription Verification:

All criteria were met, so no action was taken.

IX.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

CompuChem - 30215.4TB Inorganics

SAMPLES: 523EB00202, 523DB00202

HEXAVALENT CHROMIUM

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) Calibration:

All Calibration criteria were met. No action was required.

III.) Blanks:

All Method Blank criteria were met. No action was required.

IV.) Laboratory Control Samples (LCS):

All Laboratory Control Sample criteria were met. No action was required.

V.) Duplicate Sample Analysis:

There were no duplicate sample analyses performed for this SDG. No action was necessary.

VI.) Matrix Spike Recoveries:

There were no MS / MSD analyses for this SDG. No action was required.

VII.) Field Duplicates:

There were no field duplicates for this SDG. No action was required.

VIII.) Sample Result, Calculation/Transcription Verification:

All criteria were met, so no action was taken.

IX.) Overall Assessment of Data/General:

All laboratory data were acceptable without qualification.

DATA QUALIFICATION SUMMARY

CompuChem - 30215.10TB Inorganics

SAMPLES: GRDEB01701, GRDDB01701

HEXAVALENT CHROMIUM

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) Calibration:

All Calibration criteria were met. No action was required.

III.) Blanks:

All Method Blank criteria were met. No action was required.

IV.) Laboratory Control Samples (LCS):

All Laboratory Control Sample criteria were met. No action was required.

V.) Duplicate Sample Analysis:

There were no duplicate samples analyzed for this SDG. No action was necessary.

VI.) Matrix Spike Recoveries:

There were no MS / MSD analyses for this SDG. No action was required.

VII.) Field Duplicates:

There were no field duplicates for this SDG. No action was required.

VIII.) Sample Result, Calculation/Transcription Verification:

All criteria were met, so no action was taken.

IX.) Overall Assessment of Data/General:

All laboratory data were acceptable without qualification.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422, Norcross, GA 30093

(770) 923-3890
(770) 923-8769 (Fax)

DATA VALIDATION SUMMARY REPORT

COMPANY:	Ensafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
PROJECT NUMBER:	8500.014
CASE NUMBER:	30215
CONTRACTED LAB:	CompuChem Environmental Corp.
QA/QC LEVEL:	Level III
EPA SOW/METHOD:	EPA 1990 SOW
VALIDATION GUIDELINES:	*USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review,* 1994; *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review,* 1994
SAMPLE MATRIX:	Soil
TYPES OF ANALYSES:	Total Petroleum Hydrocarbons (TPH), Hexavalent Chromium (HexCr)
SDG NUMBERS:	30215.2G, 30215.5G, 30215.21T

SAMPLES:

SDG NUMBER: 30215.2G

Client Sample #:	Lab Sample #:	Matrix	TPH-IR
GRDSB00501	691110	Soil	X
GRDSB00301	691122	Soil	X
GRDSB00801	691128	Soil	X
GRDSB00802	691134	Soil	X
511SB00601	692009	Soil	X
508SB00501	692015	Soil	X
508SB00101	692022	Soil	X
508SB00301	692028	Soil	X
508SB00201	692035	Soil	X
508SB00601	692041	Soil	X
508SB00402	692056	Soil	X
508SB00401	692098	Soil	X
511SB00401	692104	Soil	X

Client Sample #:	Lab Sample #:	Matrix	TPH-IR
511SB00101	692145	Soil	X
511SB00202	692156	Soil	X
511SB00102	692166	Soil	X
511SB00302	692182	Soil	X
511SB00502	692191	Soil	X
511SB00201	692201	Soil	X
508SB00402MS	692056MS	Soil	X
508SB00402MSD	692056MSD	Soil	X

SDG NUMBER: 30215.5G

Client Sample #:	Lab Sample #:	Matrix	TPH-IR
516SB00101	699056	Soil	X
516SB00102	699065	Soil	X
516SB00201	699071	Soil	X
516SB00202	699077	Soil	X
516SB00101MS	699057MS	Soil	X
516SB00101MSD	699058MSD	Soil	X

SDG NUMBER: 30215.21T

Client Sample #:	Lab Sample #:	Matrix	HexCr
GDCCB04501	736426	Soil	X
518CB00601	736717	Soil	X
GDCCB04501MS	736427	Soil	X
GDCCB04501MSD	736428	Soil	X

Note: These notations apply to all SDG's in this report.

MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

DATA REVIEWER(S): Kent F. Pan, Ph. D., Marvin L. Smith, Jean M. Delashmit

RELEASE SIGNATURE:

Data Qualifier Definitions

J	-	The association numerical value is an estimated quantity.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 30215.2G Petroleum Hydrocarbons, IR method

SAMPLES: GRDSB00501, GRDSB00301, GRDSB00801, GRDSB00802, 511SB00601, 508SB00501, 508SB00101, 508SB00301, 508SB00201, 508SB00601, 508SB00402, 508SB00401, 511SB00401, 511SB00101, 511SB00202, 511SB00102, 511SB00302, 511SB00502, 511SB00201, 508SB00402MS, 508SB00402MSD

TOTAL PETROLEUM HYDROCARBONS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) Calibration:

All Calibration criteria were met. No action was necessary.

III.) Blanks:

Method Blanks:

There were no positive detections in the method blanks, so data qualification was not necessary.

IV.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met. No action was required.

V.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

All MS / MSD criteria were met. No action was necessary.

VI.) TCL Compound Identification:

All Compound Identification criteria were met. No action was required.

VII.) Field Duplicates:

There were no field duplicates associated with this SDG. No action was taken.

VIII.) Overall Assessment of Data/General:

All laboratory data were acceptable without qualification.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 30215.5G Petroleum Hydrocarbons, IR method

SAMPLES: 516SB00101, 516SB00102, 516SB00201, 516SB00202, 516SB00101MS, 516SB00101MSD

TOTAL PETROLEUM HYDROCARBONS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) Calibration:

All Calibration criteria were met. No action was necessary.

III.) Blanks:

Method Blanks:

There were no positive detections in the method blanks, so data qualification was not necessary.

IV.) Laboratory Control Samples (LCS):

All LCS Recovery criteria were met. No action was required.

V.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

All MS / MSD criteria were met. No action was taken.

VI.) TCL Compound Identification:

All Compound Identification criteria were met. No action was required.

VII.) Field Duplicates:

There were no field duplicates associated with this SDG. No action was taken.

VIII.) Overall Assessment of Data/General:

The laboratory sample ID's were not reported on the spreadsheets. These were entered during validation. All laboratory data were otherwise acceptable without qualification.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 30215.21T Hexavalent Chromium

SAMPLES: GDCCB04501, 518CB00601, GDCCB04501MS, GDCCB04501MSD

HEXAVALENT CHROMIUM

I.) Holding Times:

The holding times from sampling to analysis were 13 and 14 days for samples 518CB00601 and GDCCB04501, respectively, which exceeded the 24-hour holding time for hexavalent chromium. All results for these samples, which consisted entirely of non-detects, were flagged as estimated (UJ).

II.) Calibration:

All Calibration criteria were met. No action was required.

III.) Blanks:

All Method Blank criteria were met. No action was required.

IV.) Laboratory Control Samples (LCS):

All Laboratory Control Sample criteria were met. No action was required.

V.) Duplicate Sample Analysis:

All Duplicate Sample criteria were met. No action was necessary.

VI.) Matrix Spike Recoveries:

All Matrix Spike criteria were met. No action was required.

VII.) Field Duplicates:

There were no field duplicate samples associated with this SDG. No action was taken.

VIII.) Sample Result, Calculation/Transcription Verification:

All criteria were met, so no action was taken.

IX.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422 Norcross, Ga. 30093

DATA VALIDATION SUMMARY
REPORT

COMPANY:	EnSafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
CASE NUMBER:	30215
PROJECT NUMBER:	8500.14
CONTRACTED LAB:	CompuChem Environmental Corporation
QA/QC LEVEL:	Level III
EPA SOW/METHOD:	EPA 1990 SOW
VALIDATION GUIDELINES:	*Laboratory Data Validation Functional Guidelines for Evaluating Inorganics Analyses,* 1994; *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review,* 1994
SAMPLE MATRICES:	Soil and Water
TYPE OF ANALYSIS:	Hexavalent Chromium (HexCr)
SDG NUMBERS:	00016T, 30215.12T, 30215.15T

SAMPLES:

SDG : 00016T

Client Sample No:	Lab Number:	Matrix	HexCr
0007000001	707068	Water	X
519EB00101	707006	Water	X

EB = EQUIPMENT BLANK

SDG : 30215.12T

Client Sample No:	Lab Number:	Matrix	HexCr
047CB00901	703532	Soil	X
515CB00602	704226	Soil	X
515CB00602MS	703533	Soil	X
515CB00602MSD	703534	Soil	X

MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

SDG : 30215.15T

Client Sample No:	Lab Number:	Matrix	HexCr
519CB00101	706656	Soil	X
519CB00101D	706658	Soil	X
519CB00101S	706657	Soil	X

S = MATRIX SPIKE, D = MATRIX DUPLICATE

DATA REVIEWER(S): Kent F. Pan, Ph. D., Marvin L. Smith

RELEASE SIGNATURE:

Data Qualifier Definitions

J	-	The association numerical value is an estimated quantity.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 00016T Hexavalent Chromium

SAMPLES: 0007000001, 519EB00101

HEXAVALENT CHROMIUM

I.) Holding Times:

All Holding Time criteria were met, so no action was taken.

II.) Calibration:

All Calibration criteria were met, so no action was necessary.

III.) Blanks:

There were no positive detections in the method and field blanks, so no action was taken.

IV.) Laboratory Control Samples (LCS):

The Blank Spike Percent Recovery criteria were met, so no action was taken.

V.) Matrix Spike Recoveries:

There were no Matrix Spike analyses performed in this SDG. No action was required.

VI.) Field Duplicates:

There was no field duplicates associated with this SDG. No action was necessary.

VII.) Sample Result, Calculation/Transcription Verification:

All criteria were met, so no action was taken.

VIII.) Overall Assessment of Data/General:

All laboratory data were acceptable without qualification.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 30215.12T Hexavalent Chromium

SAMPLES: 047CB00901, 515CB00602, 515CB00602MS, 515CB00602MSD

HEXAVALENT CHROMIUM

I.) Holding Times:

The holding times from sample date to analysis for all the samples in this SDG were 6 to 8 days, which exceeded the 24-hour Holding Time criterion for hexavalent chromium. All positive and non-detect results for the samples in this SDG were flagged as estimated (J) and (UJ).

II.) Calibration:

All Calibration criteria were met, so no action was necessary.

III.) Blanks:

There was no positive detections in the method blanks, so no action was taken.

IV.) Laboratory Control Samples (LCS):

The Blank Spike Percent Recovery criteria were met, so no action was taken.

V.) Matrix Spike Recoveries:

All Matrix Spike Percent Recovery criteria were met, so no action was required.

VI.) Field Duplicates:

There was no field duplicates associated with this SDG. No action was taken.

VII.) Sample Result, Calculation/Transcription Verification:

The Lab ID's for the samples in this SDG were incorrect on the spreadsheet. The Lab ID's were corrected during the validation process.

VIII.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 30215.15T Hexavalent Chromium

SAMPLES: 519CB00101, 519CB00101D, 519CB00101S

HEXAVALENT CHROMIUM

I.) Holding Times:

The holding time from sampling date to analysis was 18 days for sample 519CB0010, which exceeded the 24 hour holding time criteria for hexavalent chromium. The positive result for this sample was flagged as estimated (J).

II.) Calibration:

All Calibration criteria were met, so no action was necessary.

III.) Blanks:

There was no positive detection in the method blank, so no action was taken.

IV.) Laboratory Control Samples (LCS):

The Blank Spike Percent Recovery criteria were met, so no action was taken.

V.) Laboratory Duplicates:

All Duplicate criteria were met, so no action was required.

VI.) Matrix Spike Recoveries:

All Matrix Spike Percent Recovery criteria were met, so no action was taken.

VII.) Field Duplicates:

There were no field duplicates associated with this SDG. No action was necessary.

VIII.) Sample Result, Calculation/Transcription Verification:

The Lab ID for sample 519CB00101 was incorrect on the spreadsheet. This was corrected during validation.

IX.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422, Norcross, GA 30093

(770) 923-3890
(770) 923-8769 (Fax)

DATA VALIDATION SUMMARY REPORT

COMPANY:	EnSafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
CASE NUMBER:	30215
PROJECT NUMBER:	8500.14
CONTRACTED LAB:	CompuChem Environmental Corporation
QA/QC LEVEL:	Level III
EPA SOW/METHOD:	EPA 1990 SOW
VALIDATION GUIDELINES:	*USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review,* 1994
SAMPLE MATRIX:	Water
TYPES OF ANALYSES:	Hexavalent Chromium (HexaCr)
SDG NUMBERS:	30215.18T

SAMPLES:

Client Sample No:	Lab Number:	Matrix	HexaCr
523HW00101	732779	Water	X
044HW00401	731394	Water	X
047HW00501	731882	Water	X

DATA REVIEWER(S): Marvin L. Smith, Jean M. Delashmit

RELEASE SIGNATURE:

Data Qualifier Definitions

J	-	The association numerical value is an estimated quantity.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 30215.18T Hexavalent Chromium

SAMPLES: 523HW00101, 044HW00401, 047HW00501

HEXAVALENT CHROMIUM

I.) Holding Times:

The holding time to analysis was 2 days for sample 047HW00501, which exceeded the 24 hour QC limit for hexavalent chromium. The non-detect result for hexavalent chromium in this sample was flagged as estimated (UJ).

II.) Calibration:

All Calibration criteria were met, so no action was necessary.

III.) Blanks:

Method Blanks:

There were no positive detections in the method blanks, so no action was taken.

IV.) Laboratory Control Samples (LCS):

All Blank Spike Percent Recovery criteria were met, so no action was taken.

V.) Matrix Spike/Matrix Spike Duplicate (MS / MSD):

No spike recovery data were available due to severe matrix interference. No action was required.

VI.) Field Duplicates:

There were no field duplicate sample pairs associated with this SDG. No action was necessary.

VII.) Sample Result, Calculation/Transcription Verification:

All criteria were met, so no action was taken.

VIII.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification. The data package cover letter was identified as Zone I. The Chain of Custody indicated Zone C sampling. The error was corrected in this narrative to match the chain of custody.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422, Norcross, GA 30093

(770) 923-3890
(770) 923-8769 (Fax)

DATA VALIDATION SUMMARY REPORT

COMPANY:	EnSafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
CASE NUMBER:	50080
PROJECT NUMBER:	8500.14
CONTRACTED LAB:	CompuChem Environmental Corporation
QA/QC LEVEL:	Level III
EPA SOW/METHOD:	EPA 1990 SOW
VALIDATION GUIDELINES:	*USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review,* 1994
SAMPLE MATRICES:	Water
TYPES OF ANALYSES:	Organotin
SDG NUMBER:	49524

SAMPLES:

Client Sample No:	Lab Number:	Matrix	Organotin
044W001801	0495024-1	Water	X
044W001901	0495024-2	Water	X
044R001901	0495024-3	Water	X
044W002001	0495024-4	Water	X
044W002101	0495024-5	Water	X

R = RINSATE BLANK

DATA REVIEWER(S): Marvin L. Smith, Jean M. Delashmit

RELEASE SIGNATURE:

Data Qualifier Definitions

J	-	The association numerical value is an estimated quantity.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 49524 Organotin

SAMPLES: 044W001801, 044W001901, 044R001901, 044W002001, 044W002101

ORGANOTIN

I.) Holding Times:

All Holding Time criteria were met, so no action was taken.

II.) Calibration:

All Calibration criteria were met, so no action was necessary.

III.) Blanks:

There were no positive detections in the method or rinsate blanks, so no action was taken.

IV.) Laboratory Spike Samples (LS / LSD):

All LS / LSD Percent Recoveries were between 52% and 89%. No action was required.

V.) Duplicate Sample Analysis:

There were no Duplicate Sample Analyses performed in this SDG. No action was taken.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

There were no MS / MSD's associated with this SDG. Instead, laboratory spike analyses were performed in duplicate. No action was taken.

VII.) Field Duplicates:

There were no field duplicate samples associated with this SDG. No action was taken.

VIII.) Internal Standards Performance:

All Internal Standard criteria were met. No action was required.

IX.) Sample Result, Calculation/Transcription Verification:

All criteria were met, so no action was taken.

X.) Overall Assessment of Data/General:

All laboratory data were acceptable without qualification.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422, Norcross, Ga. 30093

DATA VALIDATION SUMMARY
REPORT

COMPANY:	EnSafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
CASE NUMBER:	30215
PROJECT NUMBER:	8500.14
CONTRACTED LAB:	CompuChem Environmental Corporation
QA/QC LEVEL:	Level III
EPA SOW/METHOD:	EPA 1990 SOW
VALIDATION GUIDELINES:	*Laboratory Data Validation Functional Guidelines for Evaluating Inorganics Analyses,* 1994; *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review,* 1994
SAMPLE MATRICES:	Soil and Water
TYPE OF ANALYSIS:	Hexavalent Chromium (HexCr)
SDG NUMBERS:	0005T, 0006T, 30215.4T, 30215.10T, 30215.10TB

SAMPLES:

SDG : 0005T

Client Sample No:	Lab Number:	Matrix	HexCr
518CB00401	699042	Water	X
518CB00401MS	699043	Water	X
518CB00401MSD	699044	Water	X

MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

SDG : 0006T

Client Sample No:	Lab Number:	Matrix	HexCr
520CB00302	701031	Soil	X
520CB00302MS	701032	Soil	X
520CB00302MSD	701033	Soil	X
GRDCB01301	702016	Soil	X

Client Sample No:	Lab Number:	Matrix	HexCr
GRDCB02302	701998	Soil	X

MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

SDG : 30215.4T

Client Sample No:	Lab Number:	Matrix	HexCr
517CB00202	698362	Soil	X
523CB00202	698025	Soil	X
523CB00202MS	698026	Soil	X
523CB00202MSD	698027	Soil	X

MD = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

SDG : 30215.10T

Client Sample No:	Lab Number:	Matrix	HexCr
047CB00401	703371	Soil	X
513CB00202	702420	Soil	X
GRDCB01701	702602	Soil	X
GRDCB03502	702436	Soil	X

SDG : 30215.10TB

Client Sample No:	Lab Number:	Matrix	HexaCr
GRDEB01701	702509	Water	X
GRDDB01701	702547	Water	X

EB = EQUIPMENT BLANK, DB = DEIONIZED BLANK

DATA REVIEWER(S): Kent F. Pan, Ph. D., Marvin L. Smith

RELEASE SIGNATURE:

Data Qualifier Definitions

J	-	The association numerical value is an estimated quantity.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 0005T Hexavalent Chromium

SAMPLES: 518CB00401, 518CB00401MS, 518CB00401MSD

HEXAVALENT CHROMIUM

I.) Holding Times:

All Holding Time criteria were met, so no action was taken.

II.) Calibration:

All Calibration criteria were met, so no action was necessary.

III.) Blanks:

There was no positive detection in the method blank, so no action was taken.

IV.) Laboratory Control Samples (LCS):

The Blank Spike Percent Recovery criteria were met, so no action was taken.

V.) Matrix Spike Recoveries:

All Matrix Spike Percent Recovery criteria were met, so no action was taken.

VI.) Field Duplicates:

There were no field duplicates in this SDG. No action was necessary.

VII.) Sample Result, Calculation/Transcription Verification:

All criteria were met, so no action was taken.

VIII.) Overall Assessment of Data/General:

All laboratory data were acceptable without qualification.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 0006T Hexavalent Chromium

SAMPLES: 520CB00302, 520CB00302MS, 520CB00302MSD, GRDCB01301, GRDCB02302

HEXAVALENT CHROMIUM

I.) Holding Times:

All Holding Time criteria were met, so no action was taken.

II.) Calibration:

All Calibration criteria were met, so no action was necessary.

III.) Blanks:

There was no positive detection in the method blank, so no action was taken.

IV.) Laboratory Control Samples (LCS):

The Blank Spike Percent Recovery criteria were met, so no action was taken.

V.) Matrix Spike Recoveries:

All Matrix Spike Percent Recovery criteria were met, so no action was taken.

VI.) Field Duplicates:

There were no field duplicates in this SDG. No action was required.

VII.) Sample Result, Calculation/Transcription Verification:

All criteria were met, so no action was taken.

VIII.) Overall Assessment of Data/General:

All laboratory data were acceptable without qualification.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 30215.4T Hexavalent Chromium

SAMPLES: 517CB00202, 523CB00202, 523CB00202MS, 523CB00202MSD

HEXAVALENT CHROMIUM

I.) Holding Times:

All Holding Time criteria were met, so no action was taken.

II.) Calibration:

All Calibration criteria were met, so no action was necessary.

III.) Blanks:

There was no positive detection in the method blank, so no action was taken.

IV.) Laboratory Control Samples (LCS):

The Blank Spike Percent Recovery criteria were met, so no action was taken.

V.) Matrix Spike Recoveries:

All Matrix Spike Percent Recovery criteria were met, so no action was taken.

VI.) Field Duplicates:

There were no field duplicates in this SDG. No action was taken.

VII.) Sample Result, Calculation/Transcription Verification:

The matrix spike sample ID was incorrect on the spreadsheet. This was corrected during validation.

All other criteria were met, so further no action was taken.

VIII.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 30215.10T Hexavalent Chromium

SAMPLES: 047CB00401, 513CB00202, GRDCB01701, GRDCB03502

HEXAVALENT CHROMIUM

I.) Holding Times:

The holding times from sample date to analysis for all the samples in this SDG were 7 days to 8 days, which exceeded the 24-hour Holding Time criterion for hexavalent chromium. All sample results in this SDG, which consisted entirely of non-detects, were flagged as estimated (UJ).

II.) Calibration:

All Calibration criteria were met, so no action was necessary.

III.) Blanks:

There was no positive detection in the method blank, so no action was taken.

IV.) Laboratory Control Samples (LCS):

The Blank Spike Percent Recovery criteria were met, so no action was taken.

V.) Matrix Spike Recoveries:

All Matrix Spike Percent Recovery criteria were met, so no action was taken.

VI.) Field Duplicates:

There were no field duplicates in this SDG. No action was required.

VII.) Sample Result, Calculation/Transcription Verification:

All criteria were met, so no action was taken.

VIII.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 30215.10TB Hexavalent Chromium

SAMPLES: GRDEB01701, GRDDB01701

HEXAVALENT CHROMIUM

I.) Holding Times:

The sample analysis date for both associated samples was reported as 04/11/95, which was earlier than the sample arrival date of 04/13/95. Since both associated samples were field blanks, no action was required.

II.) Calibration:

All Calibration criteria were met, so no action was necessary.

III.) Blanks:

Since only field blanks were analyzed in this SDG. No action was taken.

IV.) Laboratory Control Samples (LCS):

The Blank Spike Percent Recovery criteria were met, so no action was taken.

V.) Matrix Spike Recoveries:

There was no MS/MSD analysis performed in this SDG. No action was required.

VI.) Field Duplicates:

There was no field duplicates associated with this SDG. No action was necessary.

VII.) Sample Result, Calculation/Transcription Verification:

Sample arrival analysis date was found to be in error.

VIII.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422, Norcross, Ga. 30093

DATA VALIDATION SUMMARY REPORT

COMPANY:	EnSafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
PROJECT NUMBER:	8500.014
CONTRACTED LAB:	CompuChem Environmental Corporation
QA/QC LEVEL:	CLP Level III
EPA SOW/METHOD:	EPA SOW 3-90
VALIDATION GUIDELINES:	*National Functional Guidelines for Organic Data Review,* 1994; *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review,* 1994
SAMPLE MATRIX:	Soil and Water
TYPES OF ANALYSES:	Pesticides/PCB's (P/PCB)
SDG NUMBERS:	001PB, 0002P, 0003P, 004PB, 0005P, 0006P, 0007P

SAMPLES:

SDG NUMBER: 001PB

Client Sample #:	Lab Sample #:	Matrix	P/PCB
GRDEB00201	689882	Water	X
GRDDB00201	689900	Water	X

SDG NUMBER: 0002P

Client Sample #:	Lab Sample #:	Matrix	P/PCB
508SB00101	692018	Soil	X
508SB00201	692031	Soil	X
508SB00301	692925	Soil	X
508SB00401	692062	Soil	X
508SB00402	692048	Soil	X
508SB00501	692012	Soil	X
508SB00601	692038	Soil	X

Client Sample #:	Lab Sample #:	Matrix	P/PCB
511SB00101	692139	Soil	X
511SB00102	692161	Soil	X
511SB00201	692194	Soil	X
511SB00202	692151	Soil	X
511SB00302	692176	Soil	X
511SB00401	692101	Soil	X
511SB00502	692188	Soil	X
511CB00502	692107	Soil	X
511CB00502MS	691096	Soil	X
511CB00601	691994	Soil	X
GRDSB00301	691119	Soil	X
GRDSB00501	691095	Soil	X
GRDSB00801	691125	Soil	X
GRDSB00802	691131	Soil	X

SDG NUMBER: 0003P

Client Sample #:	Lab Sample #:	Matrix	P/PCB
047SB00501	697010	Soil	X
047SB00502	697016	Soil	X
047SB00601	697022	Soil	X
508CB00601	692241	Soil	X
511SB00301	692207	Soil	X
511SB00501	692250	Soil	X
511SB00602	692231	Soil	X
GRDSB00901	696972	Soil	X
GRDSB00901MS	692208	Soil	X
GRDSB00902	697005	Soil	X

SDG NUMBER: 004PB

Client Sample #:	Lab Sample #:	Matrix	P/PCB
523EB00202	697931	Water	X
523DB00202	697878	Water	X

SDG NUMBER: 0005P

Client Sample #:	Lab Sample #:	Matrix	P/PCB
516SB00101	699049	Soil	X
516SB00102	699062	Soil	X
516SB00201	699068	Soil	X
516SB00202	699074	Soil	X

Client Sample #:	Lab Sample #:	Matrix	P/PCB
518SB00101	699021	Soil	X
518SB00102	699026	Soil	X
518SB00201	698962	Soil	X
518SB00202	698977	Soil	X
518SB00301	699066	Soil	X
518SB00302	699014	Soil	X
518CB00401	699031	Soil	X
518CB00401MS	698963	Soil	X
518CB00401MSD	698964	Soil	X
518SB00402	698999	Soil	X
518SB00501	698982	Soil	X
518SB00502	698987	Soil	X
520SB00101	700530	Soil	X
520SB00101RE	700530RE	Soil	X
520SB00102	700538	Soil	X
520SB00102RE	700538RE	Soil	X
520SB00201	700545	Soil	X
520SB00201RE	700545RE	Soil	X
520SB00202	700550	Soil	X
520SB00202RE	700550RE	Soil	X
520SB00301	700555	Soil	X
520SB00302	700560	Soil	X

SDG NUMBER: 0006P

Client Sample #:	Lab Sample #:	Matrix	P/PCB
513SB00101	702269	Soil	X
513SB00102	702278	Soil	X
513SB00201	702294	Soil	X
513SB00202	702306	Soil	X
513SB00202MS	700572	Soil	X
513SB00202MSD	700573	Soil	X
513SB00301	702316	Soil	X
513SB00302	702330	Soil	X
513SB00401	702335	Soil	X
513SB00402	702340	Soil	X
513SB00501	702349	Soil	X
513SB00502	702359	Soil	X
513SB00601	702369	Soil	X
520CB00302	701020	Soil	X
520SB00401	700571	Soil	X
520SB00402	700586	Soil	X
520SB00501	700591	Soil	X
520SB00502	700596	Soil	X
520SB00601	700601	Soil	X
520SB00602	700606	Soil	X

Client Sample #:	Lab Sample #:	Matrix	P/PCB
GRDCB01301	702011	Soil	X
GRDCB02302	701993	Soil	X

SDG NUMBER: 0007P

Client Sample #:	Lab Sample #:	Matrix	P/PCB
044W001401	704848	Water	X
044W001601	704843	Water	X
044W001801	701883	Water	X
044W001901	701909	Water	X
044R001901	701930	Water	X
044W001901MS	701884	Water	X
044W001901MSD	701885	Water	X
044W002001	701957	Water	X
044W002101	701965	Water	X
044W002201	704862	Water	X

MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE, RE = REANALYSIS,
EB = EQUIPMENT BLANK, DB = DEIONIZED WATER BLANK

Note: These notations apply to all SDG's in this narrative.

DATA REVIEWER(S): Cathi W. Sharp, Marvin L. Smith

RELEASE SIGNATURE:

Data Qualifier Definitions:

J	-	The associated numerical value is an estimated quantity.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Services - 001PB Pesticides/PCB's

SAMPLES: GRDEB00201, GRDDB00201

PESTICIDES/PCB's

I.) Holding Times:

All Holding Time criteria were met, so no action was necessary.

II.) Instrument Performance:

All Pesticide Instrument Performance criteria were met, so no action was taken.

III.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met, so no action was required.

Continuing Calibration:

All Continuing Calibration criteria were met, so no action was necessary.

IV.) Blanks:

Method Blanks:

There were no positive detections in any method blank associated with this SDG, so no action was required.

Equipment Blanks:

There were no positive detections in the equipment blank associated with this SDG, so no qualification was necessary.

DI Water Blanks:

There were no positive detections in the DI water blank associated with this SDG, so no qualification was required.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met, so no action was needed.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

There were no MS / MSD's associated with this SDG. No action was necessary.

VII.) TCL Compound Identification:

Pesticide/PCB Identification Summary:

All criteria for the method were met, so no action was taken.

VIII.) Field Duplicates:

There were no field duplicates analyzed with this SDG, so no action was required.

IX.) Pesticide Cleanup Check:

Florisil Cartridge Check:

All criteria for this method were met, so no action was taken.

Gel Permeation Chromatography (GPC):

All GPC criteria for the method were met, so no action was necessary.

X.) Overall Assessment of Data/General:

All laboratory data were acceptable without qualification.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Services - 0002P Pesticides/PCB's

SAMPLES: 508SB00101, 508SB00201, 508SB00301, 508SB00401, 508SB00402, 508SB00501, 508SB00601, 511SB00101, 511SB00102, 511SB00201, 511SB00202, 511SB00302, 511SB00401, 511SB00502, 511CB00502, 511CB00502MS, 511SB00601, GRDSB00301, GRDSB00501, GRDSB00801, GRDSB00802

PESTICIDES/PCB's

I.) Holding Times:

All Holding Time criteria were met, so no action was necessary.

II.) Instrument Performance:

All Pesticide Instrument Performance criteria were met, so no action was taken.

III.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met, so no action was required.

Continuing Calibration:

All Continuing Calibration criteria were met, so no action was necessary.

IV.) Blanks:

Method Blanks:

Endosulfan I and heptachlor epoxide were detected at 0.43 ug/kg and 0.14 ug/kg, respectively, in method blank PBLK25 and 0.42 ug/kg and 0.21 ug/kg, respectively, in method blank PBLK55. In addition methoxychlor was detected at 0.37 ug/kg in method blank PBLK55. Detections of endosulfan I, heptachlor epoxide and methoxychlor in the associated samples below 5X these amounts were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample.

Equipment Blanks:

There were no equipment blanks associated with this SDG, so no qualification was needed.

Field Blanks:

There were no field blanks associated with this SDG, so no action was necessary.

DI Water Blanks:

There were no DI water blanks associated with this SDG, so no action was required.

V.) Surrogate Recoveries:

The Percent Recovery (%R) for tetrachloro-m-xylene in sample 511SB00601 was 160%, which was above the 30-150% QC limits. All positive results for sample 511SB00601 were flagged as estimated (J).

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

All MS / MSD criteria were met, so no action was necessary.

VII.) TCL Compound Identification:

Pesticide/PCB Identification Summary:

All criteria for the method were met, so no action was taken.

VIII.) Field Duplicates:

All field duplicate criteria were met, so no action was required.

IX.) Pesticide Cleanup Check:

Florisil Cartridge Check:

All criteria for this method were met, so no action was taken.

Gel Permeation Chromatography (GPC):

All GPC criteria for the method were met, so no action was necessary.

X.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Services - 0003P Pesticides/PCB's

SAMPLES: 047SB00501, 047SB00502, 047SB00601, 508CB00601, 511SB00301, 511SB00501, 511SB00602, GRDSB00901, GRDSB00901MS, GRDSB00901MSD, GRDSB00902

PESTICIDES/PCB's

I.) Holding Times:

All Holding Time criteria were met, so no action was necessary.

II.) Instrument Performance:

All Pesticide Instrument Performance criteria were met, so no action was taken.

III.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met, so no action was required.

Continuing Calibration:

All Continuing Calibration criteria were met, so no action was necessary.

IV.) Blanks:

Method Blanks:

There were no positive detection in the method blanks associated with this SDG, so no action was taken.

Equipment Blanks:

There were no equipment blanks associated with this SDG, so no qualification was needed.

Field Blanks:

There were no field blanks associated with this SDG, so no action was necessary.

DI Water Blanks:

There were no DI water blanks associated with this SDG, so no action was required.

V.) Surrogate Recoveries:

The following table summarizes the Percent Recoveries (%R's) for decachlorobiphenyl that were above the 30-150% QC limits:

Sample	%R column 1	%R column 2
047SB00501	360%	320%
047SB00502		600%

All positive results in these samples were flagged as estimated (J).

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

The Percent Recovery (%R) for aldrin was 38% for both GRDSB00901MS and GRDSB00901MSD, which was below the 42-122% QC limits. The positive result for aldrin was flagged as estimated (J) in associated sample GRDSB00901.

VII.) TCL Compound Identification:

Pesticide/PCB Identification Summary:

All criteria for the method were met, so no action was taken.

VIII.) Field Duplicates:

There were no field duplicate samples associated with this SDG. No action was required.

IX.) Pesticide Cleanup Check:

Florisil Cartridge Check:

All criteria for this method were met, so no action was taken.

Gel Permeation Chromatography (GPC):

All GPC criteria for the method were met, so no action was necessary.

X.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Services - 004PB Pesticides/PCB's

SAMPLES: 523EB00202, 523DB00202

PESTICIDES/PCB's

I.) Holding Times:

All Holding Time criteria were met, so no action was necessary.

II.) Instrument Performance:

All Pesticide Instrument Performance criteria were met, so no action was taken.

III.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met, so no action was required.

Continuing Calibration:

All Continuing Calibration criteria were met, so no action was necessary.

IV.) Blanks:

Method Blanks:

Method blank PBLK40 had positive results for heptachlor at 0.0004 ug/L, aldrin at 0.0007 ug/L, beta-BHC at 0.0015 ug/L and heptachlor epoxide at 0.0002 ug/L. Since both associated samples were field blanks, no action was taken.

Equipment Blanks:

Equipment blank 523EB00202 had positive results for delta-BHC of 0.0008 ug/L, 4,4'-DDE at 0.0006 ug/L and 4,4'-DDD at 0.0011 ug/L. Since the only samples associated with this SDG were field blanks, no qualification was necessary..

DI Water Blanks:

DI water blank 523 DB00202 had positive results for gamma-BHC at 0.0003 ug/L and delta-BHC at 0.0006 ug/L. The only samples in thes SDG were blanks, so no qualification was necessary.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met, so no action was needed.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

There were no MS / MSD analyses performed with this SDG, so no action was taken.

VII.) TCL Compound Identification:

Pesticide/PCB Identification Summary:

All criteria for the method were met, so no action was taken.

VIII.) Field Duplicates:

There were no field duplicates analyzed with this SDG, so no action was required.

IX.) Pesticide Cleanup Check:

Florisil Cartridge Check:

All criteria for this method were met, so no action was taken.

Gel Permeation Chromatography (GPC):

All GPC criteria for the method were met, so no action was necessary.

X.) Overall Assessment of Data/General:

All laboratory data were acceptable without qualification.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Services - 0005P Pesticides/PCB's

SAMPLES: 516SB00101, 516SB00102, 516SB00201, 516SB00202, 518SB00101, 518SB00102, 518SB00201, 518SB00202, 518SB00301, 518SB00302, 518CB00401, 518CB00401MS, 518CB00401MSD, 518SB00402, 518SB00501, 518SB00502, 520SB00101, 520SB00101RE, 520SB00102, 520SB00102RE, 520SB00201, 520SB00201RE, 520SB00202, 520SB00202RE, 520SB00301, 520SB00302

PESTICIDES/PCB's

I.) Holding Times:

Samples 520SB00101RE, 520SB00102RE, 520SB00201RE and 520SB00202RE were extracted 33 days after sampling, which exceeded the 14 day QC limit by greater than 2X. All positive results in these samples were flagged as estimated (J) and all non-detects were rejected (R).

II.) Instrument Performance:

All Pesticide Instrument Performance criteria were met, so no action was taken.

III.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met, so no action was required.

Continuing Calibration:

All Continuing Calibration criteria were met, so no action was necessary.

IV.) Blanks:

Method Blanks:

The following table summarizes the blank contamination found in the method blanks associated with this SDG:

Compound	Blank ID	Concentration ug/kg
gamma-BHC	PBLK05	0.040
	PBLK22	0.051

Compound	Blank ID	Concentration ug/kg
heptachlor	PBLK05	0.24
	PBLK22	0.25
	PBLK84	0.12
aldrin	PBLK22	0.032
	PBLK84	0.13
endosulfan I	PBLK05	0.13
	PBLK22	0.22
	PBLK84	0.19
dieldrin	PBLK05	0.004
	PBLK22	0.16
	PBLK84	0.16
endosulfan II	PBLK22	0.088
	PBLK84	0.56
4,4'-DDT	PBLK05	0.34
	PBLK22	0.20
methoxychlor	PBLK05	0.31
	PBLK22	2.7
	PBLK84	0.53
alpha-BHC	PBLK05	0.079
beta-BHC	PBLK05	0.35
	PBLK22	0.40
delta-BHC	PBLK05	2.7
heptachlor epoxide	PBLK05	0.05
	PBLK22	0.28
	PBLK84	0.40
4,4'-DDE	PBLK05	0.042
	PBLK22	0.17
	PBLK84	0.53
endrin	PBLK05	0.054
	PBLK22	0.69
4,4'-DDD	PBLK22	0.07
	PBLK84	0.8
endrin aldehyde	PBLK05	0.041
endosulfan sulfate	PBLK05	0.46
	PBLK22	0.32
	PBLK84	0.46

Detections of these compounds in the associated samples below 5X these amounts were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample.

Equipment Blanks:

There were no equipment blanks associated with this SDG, so no qualification was needed.

Field Blanks:

There were no field blanks associated with this SDG, so no action was necessary.

DI Water Blanks:

There were no DI water blanks associated with this SDG, so no action was required.

V.) Surrogate Recoveries:

The following table summarizes the Percent Recoveries (%R's) for tetrachloro-m-xylene that exceeded the 30-150% QC limits:

Sample	%R column 1	%R column 2
520SB00102	190%	190%
520SB00201	190%	180%
520SB00301	190%	180%

The following table summarizes the Percent Recoveries (%R's) for decachlorobiphenyl that exceeded the 30-150% advisory QC limits:

Sample	%R column 1	%R column 2
520SB00102	190%	190%
520SB00201	220%	210%
520SB00301	200%	180%

All positive results in all associated samples were flagged as estimated (J).

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

The Percent Recovery (%R's) of heptachlor and aldrin were 136% and 124%, respectively, which were above their respective 34-111% and 42-122% QC limits in spiked sample 518CB00401MSD. In addition the Relative Percent Differences (%RPD's) for gamma-BHC was 91%, heptachlor was 106%, aldrin was 99%, dieldrin was 108%, 4,4'-DDT was 124% and endrin was 107%, which exceeded the 20% QC limit. Based on RPD criteria, all positive and non-detect results for these compounds in associated sample 518CB00401 were flagged as estimated (J) and (UJ).

VII.) TCL Compound Identification:

Pesticide/PCB Identification Summary:

All criteria for the method were met, so no action was taken.

VIII.) Field Duplicates:

There were no field duplicate samples associated with this SDG. No action was required.

IX.) Pesticide Cleanup Check:

Florisil Cartridge Check:

All criteria for this method were met, so no action was taken.

Gel Permeation Chromatography (GPC):

All GPC criteria for the method were met, so no action was necessary.

X.) Overall Assessment of Data/General:

All non-detect results in samples 520SB00101RE, 520SB00102RE, 520SB00201RE and 520SB00202RE were rejected due to gross holding time exceedances. For this reason the original analyses of all of these samples are of preferable data quality. All remaining laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Services - 0006P Pesticides/PCB's

SAMPLES: 513SB00101, 513SB00102, 513SB00201, 513SB00202, 513SB00202MS, 513SB00202MSD, 513SB00301, 513SB00302, 513SB00401, 513SB00402, 513SB00501, 513SB00502, 513SB00601, 520CB00302, 520SB00401, 520SB00402, 520SB00501, 520SB00502, 520SB00601, 520SB00602, GRDCB01301, GRDCB02302

PESTICIDES/PCB's

I.) Holding Times:

Samples 520CB00302, 520SB00401, 520SB00402, 520SB00501, 520SB00502, 520SB00601 and 520SB00602 were extracted 27 days after sampling, which exceeded the 14 day QC limit. All positive results in these samples were flagged as estimated (J) and all non-detects were flagged as estimated (UJ).

II.) Instrument Performance:

All Pesticide Instrument Performance criteria were met, so no action was taken.

III.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met, so no action was required.

Continuing Calibration:

All Continuing Calibration criteria were met, so no action was necessary.

IV.) Blanks:

Method Blanks:

Method blanks PBLK50, PBLK 65 and PBLK95 had positive results for endosulfan sulfate at 0.67 ug/kg, 0.26 ug/kg and 0.85 ug/kg, respectively. Method blanks PBLK50 and PBLK65 had positive results for 4,4'-DDT of 0.27 ug/kg and 0.38 ug/kg, respectively. In addition, method blank PBLK50 had a positive result of 0.66 ug/kg for methoxychlor. In addition, method blank PBLK65 had positive results for endosulfan I at 0.41 ug/kg, 4,4'-DDE at 0.19 ug/kg, endrin at 0.3 ug/kg, 4,4'-DDD at 0.97 ug/kg and endrin aldehyde at 0.45 ug/kg. Detections of these compounds in the associated samples below 5X these amounts were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample.

Equipment Blanks:

There were no equipment blanks associated with this SDG, so no qualification was necessary.

Field Blanks:

There were no field blanks associated with this SDG, so no action was necessary.

DI Water Blanks:

There were no DI water blanks associated with this SDG, so no action was required.

V.) Surrogate Recoveries:

The following table summarizes the Percent Recoveries (%R's) for tetrachloro-m-xylene that were outside the 30-150% advisory QC limits:

Sample	%R column 2
GRDCB02302	290%
GRDCB01301	190%

All positive results for these samples were flagged as estimated (J).

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

All MS / MSD criteria were met, so no action was necessary.

VII.) TCL Compound Identification:

Pesticide/PCB Identification Summary:

All criteria for the method were met, so no action was taken.

VIII.) Field Duplicates:

There were no field duplicate samples associated with this SDG. No action was required.

IX.) Pesticide Cleanup Check:

Florisil Cartridge Check:

All criteria for this method were met, so no action was taken.

Gel Permeation Chromatography (GPC):

All GPC criteria for the method were met, so no action was necessary.

X.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Services - 0007P Pesticides/PCB's

SAMPLES: 044W001801, 044W001901, 044W001901MS, 044W001901MSD, 044R001901, 044W002001, 044W002101, 044W001401, 044W001601, 044W002201

PESTICIDES/PCB's

I.) Holding Times:

All Holding Time criteria were met, so no action was necessary.

II.) Instrument Performance:

All Pesticide Instrument Performance criteria were met, so no action was taken.

III.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met, so no action was required.

Continuing Calibration:

All Continuing Calibration criteria were met, so no action was necessary.

IV.) Blanks:

Method Blanks:

Method blank PBLK14 had positive results for 4,4'-DDT at 0.0056 ug/L, methoxychlor at 0.0054ug/L, delta-BHC at 0.002 ug/L, 4,4'-DDE at 0.0044, endrva at 0.0022ug/L and enrva aldchyde at 0.0036 ug/L. Detections of these compounds in the associated samples below 5X these amounts were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample.

Equipment Blanks:

There were no equipment blanks associated with this SDG, so no action was taken.

Field Blanks:

There were no field blanks associated with this SDG, so no qualification was required.

DI Water Blanks:

There were no DI water blanks associated with this SDG, so no qualification was necessary.

V.) Surrogate Recoveries:

The following table summarizes the Percent Recoveries (%R's) for tetrachloro-m-xylene that were above the 30-150% advisory QC limits:

Sample	%R, column 2
044W001401	460%
044W001601	520%
044W002201	520%

All positive results for these samples were flagged as estimated (J).

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

The Percent Recovery (%R) for aldrin in 044W001901MS was 35%, which was below the 42-122% QC limits. In addition, the Relative Percent Differences (%RPD's) for gamma-BHC was 27%, heptachlor was 44%, aldrin was 56%, dieldrin was 25%, 4,4'-DDT was 24% and endrin was 25%, which exceeded the 20% QC limit. All positive and non-detect results for these compounds in sample 044W001901 were flagged as estimated (J) and (UJ).

VII.) TCL Compound Identification:

Pesticide/PCB Identification Summary:

All criteria for the method were met, so no action was taken.

VIII.) Field Duplicates:

There were no field duplicates analyzed with this SDG, so no action was required.

IX.) Pesticide Cleanup Check:

Florisil Cartridge Check:

All criteria for this method were met, so no action was taken.

Gel Permeation Chromatography (GPC):

All GPC criteria for the method were met, so no action was necessary.

X.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422, Norcross, GA 30093

(770) 923-3890
(770) 923-8769 (Fax)

DATA VALIDATION SUMMARY REPORT

COMPANY:	Ensafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
PROJECT NUMBER:	8500.014
CASE NUMBER:	30215
CONTRACTED LAB:	CompuChem Environmental Corp.
QA/QC LEVEL:	Level III
EPA SOW/METHOD:	EPA 1990 SOW
VALIDATION GUIDELINES:	*USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review,* 1994
SAMPLE MATRICES :	Soil and Water
TYPES OF ANALYSES:	Organochlorine Pesticides / PCB's (P/PCB)
SDG NUMBERS:	0001P, 0004P, 0010P, 0012P

SAMPLES:

SDG: 0001P

Client Sample No:	Lab Number:	Matrix	P/PCB
044CB00701	690183	Soil	X
510SB00101	690158	Soil	X
510SB00102	690163	Soil	X
510SB00201	690192	Soil	X
510SB00202	690153	Soil	X
510SB00501	690142	Soil	X
510SB00502	690148	Soil	X
510CB00502	690168	Soil	X
512SB00101	690512	Soil	X
512SB00201	690538	Soil	X
512SB00202	690539 D11	Soil	X
512SB00301	690503	Soil	X
512CB00301	690542	Soil	X
512SB00401	690508	Soil	X
512SB00501	690494	Soil	X
512SB00601	690537	Soil	X

Client Sample No:	Lab Number:	Matrix	P/PCB
GRDSB00101	690540 D21	Soil	X
GRDSB00102	690541	Soil	X
GRDSB00201	689920	Soil	X
GRDSB00601	691082	Soil	X
512CB00301MS	689921 D11MS	Soil	X
512CB00301MSD	689922 D11MSD	Soil	X

C = FIELD DUPLICATE, MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

SDG: 0004P

Client Sample No:	Lab Number:	Matrix	P/PCB
047SB00101	697953	Soil	X
047SB00102	697977	Soil	X
047SB00201	697983	Soil	X
517SB00101	698365	Soil	X
517SB00102	698370	Soil	X
517SB00201	698347	Soil	X
517SB00202	698352	Soil	X
517CB00202	698357	Soil	X
517SB00301	698337	Soil	X
517SB00302	698342	Soil	X
517SB00401	698311	Soil	X
517SB00402	698318	Soil	X
517SB00501	698323	Soil	X
517SB00502	698332	Soil	X
518SB00401	698993	Soil	X
523SB00101	697995	Soil	X
523SB00102	698007	Soil	X
523SB00201	698001	Soil	X
523SB00202	697989	Soil	X
523CB00202	698013	Soil	X
518SB00401MS	697954MS	Soil	X
518SB00401MSD	697955MSD	Soil	X

C = FIELD DUPLICATE, MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

SDG: 0010P

Client Sample No:	Lab Number:	Matrix	P/PCB
047SB00301	703304	Soil	X
047SB00302	703306	Soil	X
047SB00401	703298	Soil	X
047CB00401	703310	Soil	X

Client Sample No:	Lab Number:	Matrix	P/PCB
047SB00402	703299	Soil	X
047SB00801	703307	Soil	X
047SB00802	703311 D50	Soil	X
047SB01101	703301	Soil	X
047SB01102	703300	Soil	X
047SB01201	703302	Soil	X
047SB01202	703303	Soil	X
047SB01301	703308	Soil	X
047SB01302	703309	Soil	X
047SB01501	703296	Soil	X
047SB01502	703297	Soil	X
513CB00202	702405	Soil	X
513SB00602	702387	Soil	X
GRDSB00701	703439	Soil	X
GRDSB01701	702577	Soil	X
GRDCB03502	702426	Soil	X
047SB01201MS	702388MS	Soil	X
047SB01201MSD	702389MSD	Soil	X

C = FIELD DUPLICATE, MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

SDG: 0012P

Client Sample No:	Lab Number:	Matrix	P/PCB
047SB00901	703445 D50	Soil	X
047CB00901	703521	Soil	X
047SB00902	703467	Soil	X
047SB01001	703486	Soil	X
047SB01101	703492	Soil	X
047SB01102	703498	Soil	X
515SB00101	704231	Soil	X
515SB00102	704234	Soil	X
515SB00202	704282	Soil	X
515SB00301	704290	Soil	X
515SB00302	704316	Soil	X
515SB00401	704346	Soil	X
515SB00402	704363	Soil	X
515SB00501	704380	Soil	X
515SB00502	704386	Soil	X
515SB00601	704198	Soil	X
515SB00602	704204	Soil	X
515CB00602	704215	Soil	X
GRDSB00401	703504	Soil	X
GRDSB00402	703510 D50	Soil	X
515CB00602MS	703468MS	Soil	X
515CB00602MSD	703469MSD	Soil	X

C = FIELD DUPLICATE, MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

DATA REVIEWER(S): Kent F. Pan, Ph. D., Marvin L. Smith

RELEASE SIGNATURE:

Data Qualifier Definitions

J	-	The association numerical value is an estimated quantity.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 0001P Organochlorine Pesticides / PCB's

SAMPLES: 044CB00701, 510SB00101, 510SB00102, 510SB00201, 510SB00202, 510SB00501, 510SB00502, 510CB00502, 512SB00101, 512SB00201, 512SB00202, 512SB00301, 512CB00301, 512SB00401, 512SB00501, 512SB00601, GRDSB00101, GRDSB00102, GRDSB00201, GRDSB00601, 512CB00301MS, 512CB00301MSD

ORGANOCHLORINE PESTICIDES / PCB's

I.) Holding Times:

All Holding Time criteria were met, so no action was required.

II.) Instrument Performance:

All Instrument Performance criteria were met, so no action was necessary.

III.) Calibration:

All Calibration criteria were met, so no action was required.

IV.) Blanks:

Method Blanks:

Heptachlor was detected at 0.035 ug/kg in soil method blank PBLK76. Detections of this compound in associated samples GRDSB00201, 510SB00501, 510SB00101, 510SB00102, 044CB00701 and 510SB00201 below 5X the blank amount were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample.

The following compounds were detected in soil method blank PBLK22:

Compounds	ug/kg
delta-BHC	0.095
endrin	0.28

Detections of these compounds in the associated samples 512SB00601, 512SB00201, 512SB00202, GRDSB00101, GRD5B00102, 512CB00301 and GRDSB00601 below 5X the blank amounts were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample.

The following compounds were detected in soil method blank PBLK98:

Compounds	ug/kg
heptachlor	0.16
4,4'-DDT	0.14
delta-BHC	0.090
endrin	0.12
4,4'-DDD	0.24
endrin aldehyde	0.22

Detections of these compounds in the associated samples 512SB00501, 512SB00301, 512SB00401 and 512SB00101 below 5X the blank amounts were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample.

V.) Surrogate Recoveries:

The Percent Recoveries (%R's) of the surrogates TCX and DCB on column 1 were above the 30-150% QC limits for the following samples:

Sample ID.	TCX	DCB
510SB00501	180	-
GRDSB00601	-	160

All positive results in these samples were flagged as estimated (J).

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

The Percent Recovery (%R) and Relative Percent Difference (RPD) of the following compound were outside their respective QC limits in soil spiked samples 512CB00301MS and 512CB00301MSD:

Compound	MS (%R)	MSD (%R)	RPD	QC Limits (%R)
4,4'-DDT	-	195	42	25-160

The positive result for 4,4'-DDT in sample 512CB00301 was flagged as estimated (J).

VII.) TCL Compound Identification:

Column Percent Differences (%D's) were not evaluated because analytical results were below the MDL.

VIII.) Field Duplicates:

Field duplicate samples 512SB00301 and 512CB00301 were analyzed by the laboratory. The Relative Percent Differences (RPD's) of the following compounds exceeded the QC limit (60%).

Compounds	512SB00301,ug/kg	512CB00301, ug/kg	RPD
methoxychlor	1.1	4.0	114
heptachlor epoxide	0.25	0.94	116
endrin aldehyde	2.9	7.6	89.5

The positive results for these compounds in the two field duplicate samples were flagged as estimated (J).

IX.) Pesticide Cleanup Check:

Florisil Cartridge Check:

No Florisil Cartridge Check data were present in this SDG. No action was required.

Gel Permeation Chromatography (GPC):

No Gel Permeation Chromatography (GPC) was performed in this SDG. No action was necessary.

X.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 0004P Organochlorine Pesticides / PCB's

SAMPLES: 047SB00101, 047SB00102, 047SB00201, 517SB00101, 517SB00102, 517SB00201, 517SB00202, 517CB00202, 517SB00301, 517SB00302, 517SB00401, 517SB00402, 517SB00501, 517SB00502, 518SB00401, 523SB00101, 523SB00102, 523SB00201, 523SB00202, 523CB00202, 518SB00401MS, 518SB00401MSD

ORGANOCHLORINE PESTICIDES / PCB's

I.) Holding Times:

All Holding Time criteria were met, so no action was required.

II.) Instrument Performance:

All Instrument Performance criteria were met, so no action was necessary.

III.) Calibration:

All Calibration criteria were met, so no action was required.

IV.) Blanks:

Method Blanks:

The following compounds were detected in soil method blank PBLK42:

Compounds	ug/kg
gamma-BHC	0.020
heptachlor	0.0065
delta-BHC	0.0053
heptachlor epoxide	0.090

Detections of these compounds in the associated samples 047SB00101, 047SB00102, 047SB00201, 523SB00101, 523SB00102, 523SB00201, 523SB00202 and 523CB00202 below 5X the blank amounts were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample.

The following compounds were detected in soil method blank PBLK83:

Compounds	ug/kg
aldrin	0.12
4,4'-DDT	0.50
endrin	0.43

Detections of these compounds in the associated sample 518SB00401 below 5X the blank amounts were flagged as undetected (U) with the detection limit being raised to the level of contamination in the sample.

V.) Surrogate Recoveries:

The Percent Recovery (%R) of the surrogate TCX on column 2 was zero percent (0%) for sample 517SB00201. All associated positive results were flagged as estimated (J) and non-detects were rejected (R).

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

All MS / MSD criteria were met. No action was taken.

VII.) TCL Compound Identification:

Column Percent Differences (%D's) were not evaluated because analytical results were below the MDL.

VIII.) Field Duplicates:

Field duplicate sample pairs 517SB00202 / 517CB00202 and 523SB00202 / 523CB00202 were analyzed by the laboratory. The Relative Percent Differences (RPD's) of the following compounds exceeded the (60%) QC limit:

Compound	517SB00202, ug/kg	517CB00202, ug/kg	RPD
dieldrin	0.55	0.14	119
4,4'-DDT	0.26	1.2	129
4,4'-DDD	0.19	0.63	107

Compound	523SB00202, ug/kg	523CB00202, ug/kg	RPD
endosulfan I	0.0075	0.24	188
endosulfan II	0.77	0.15	135
endrin	0.83	0.32	88.7

The positive results for these compounds in the associated field duplicate samples were flagged as estimated (J).

IX.) Pesticide Cleanup Check:

Florisil Cartridge Check:

No Florisil Cartridge Check data were present in this SDG. No action was required.

Gel Permeation Chromatography (GPC):

No Gel Permeation Chromatography (GPC) was performed in this SDG. No action was necessary.

X.) Overall Assessment of Data/General:

The non-detect results for 15 compounds in sample 517SB00201 were rejected (R) due to zero percent surrogate recovery. All remaining laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 0010P Organochlorine Pesticides / PCB's

SAMPLES: 047SB00301, 047SB00302, 047SB00401, 047CB00401, 047SB00402, 047SB00801, 047SB00802, 047SB01101, 047SB01102, 047SB01201, 047SB01202, 047SB01301, 047SB01302, 047SB01501, 047SB01502, 513CB00202, 513SB00602, GRDSB00701, GRDSB01701, GRDCB03502, 047SB01201MS, 047SB01201MSD

ORGANOCHLORINE PESTICIDES / PCB's

I.) Holding Times:

All Holding Time criteria were met, so no action was required.

II.) Instrument Performance:

All Instrument Performance criteria were met, so no action was necessary.

III.) Calibration:

All Calibration criteria were met, so no action was required.

IV.) Blanks:

Method Blanks:

Heptachlor epoxide was detected at 0.17 ug/kg in soil method blank PBLK37. There were no detections of this compound in associated samples 047SB00401, 047SB01302, 047SB00802 and GRDSB00701 below 5X the blank amount. No action was required.

4,4'-DDE was detected at 0.49 ug/kg in soil method blank PBLK37R. This compound was not detected in the associated sample 047CB00401. No action was required.

The following compounds were detected in soil method blank PBLK96:

Compounds	ug/kg
delta-BHC	0.095
endrin	0.28

Detections of endrin in the associated samples 513SB00602, 513CB00202, GRDCB03502 and GRDCB01701 below 5X the blank amounts were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample. There were detections of delta-BHC below 5X the blank amount. No further action was required.

V.) Surrogate Recoveries:

The Percent Recovery (%R) of the surrogate TCX on column 1 was 180% for sample 047CB00401, which exceeded the 30-150% QC limits. All positive results for this sample were flagged as estimated (J).

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

All MS / MSD criteria were met. No action was taken.

VII.) TCL Compound Identification:

Column Percent Differences (%D's) were not evaluated because analytical results were below the MDL.

VIII.) Field Duplicates:

Field duplicate samples 047SB00401 and 047CB00401 were analyzed by the laboratory. All Relative Percent Differences (RPD's) were within the QC limits. No action was required.

IX.) Pesticide Cleanup Check:

Florisil Cartridge Check:

No Florisil Cartridge Check data were present in this SDG. No action was required.

Gel Permeation Chromatography (GPC):

No Gel Permeation Chromatography (GPC) was performed in this SDG. No action was necessary.

X.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 0012P Organochlorine Pesticides / PCB's

SAMPLES: 047SB00901, 047CB00901, 047SB00902, 047SB01001, 047SB01101, 047SB01102, 515SB00101, 515SB00102, 515SB00202, 515SB00301, 515SB00302, 515SB00401, 515SB00402, 515SB00501, 515SB00502, 515SB00601, 515SB00602, 515CB00602, GRDSB00401, GRDSB00402, 515CB00602MS, 515CB00602MSD

ORGANOCHLORINE PESTICIDES / PCB's

I.) Holding Times:

All Holding Time criteria were met, so no action was required.

II.) Instrument Performance:

All Instrument Performance criteria were met, so no action was necessary.

III.) Calibration:

All Calibration criteria were met, so no action was required.

IV.) Blanks:

Method Blanks:

The following compounds were detected in soil method blank PBLK66:

Compounds	ug/kg
dieldrin	0.12
endosulfan II	0.53
methoxychlor	1.10
4,4'-DDE	0.15
endosulfan sulfate	0.19

Detections of these compounds in the associated samples 047CB00901, 047SB00902, 047SB01001, 047SB01101, 047SB01102, 515SB00501, 515SB00502, GRDSB00401 and GRDSB00402 below 5X the blank amounts were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample.

The following compounds were detected in soil method blank PBLK65:

Compounds	ug/kg
dieldrin	0.12
endosulfan II	0.53
methoxychlor	1.10
4,4'-DDE	0.15
endosulfan sulfate	0.19

Detections of these compounds in the associated samples 515SB00101, 515SB00102, 515SB00202, 515SB00301, 515SB00302, 515SB00401, 515SB00402, 515SB00601, 515SB00602 and 515CB00602 below 5X the blank amounts were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample.

Heptachlor epoxide was detected at 0.17 ug/kg in soil method blank PBLK37. This compound was not detected in associated sample 047SB00901. No action was required.

V.) Surrogate Recoveries:

The Percent Recoveries (%R's) of the following surrogates were outside the 30-150% QC limits for the samples listed:

Client Sample #:	TCX, C1 %R	TCX, C2 %R	DCB, C1 %R	DCB, C2 %R
515SB00502	-	170	-	-
047SB01102	-	0	-	-
GRDSB00401	-	10	-	-
047CB00901	-	0	-	-
515SB00601	-	-	270	260
515SB00101	-	-	330	320

All positive detections were flagged as estimated (J) and all non-detects in samples 047SB01102 and 047CB00901 were rejected (R). All positive results in the other samples were flagged as estimated (J).

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

All MS / MSD criteria were met. No action was taken.

VII.) TCL Compound Identification:

Column Percent Differences (%D's) were not evaluated because analytical results were below the MDL.

VIII.) Field Duplicates:

Field duplicate samples 047SB00901 and 047CB00901 were analyzed by the laboratory. The Relative Percent Differences (RPD's) of the following compounds exceeded the (60%) QC limit for soil samples:

Compound	047SB00901, ug/kg	047CB00901, ug/kg	RPD
methoxychlor	17	6.1	94.4
heptachlor epoxide	1.6	0.13	170

The positive results for these compounds in the two field duplicate samples were flagged as estimated (J).

IX.) Pesticide Cleanup Check:

Florisil Cartridge Check:

No Florisil Cartridge Check data were present in this SDG. No action was required.

Gel Permeation Chromatography (GPC):

No Gel Permeation Chromatography (GPC) was performed in this SDG. No action was necessary.

X.) Overall Assessment of Data/General:

All non-detect results in samples 047SB01102 and 047CB00901 were rejected (R) due to zero percent surrogate recoveries. All remaining laboratory data were acceptable with qualification.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422 Norcross, Ga. 30093

DATA VALIDATION SUMMARY REPORT

COMPANY:	Ensafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
PROJECT NUMBER:	8500.014
CONTRACTED LAB:	Compu Chem Environmental Co.
QA/QC LEVEL:	Level III
EPA SOW/METHOD:	EPA 1990 SOW
VALIDATION GUIDELINES:	*National Functional Guidelines for Organic Data Review,* 1994; *Laboratory Data Validation Functional Guidelines for Evaluating Inorganics Analyses,* 1994; *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review,* 1994; *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review,* 1994
SAMPLE MATRICES:	Soil and Water
TYPES OF ANALYSES:	Semivolatile Organics (SVOA)
SDG NUMBERS:	0001S, 001SB, 0002S, 0003S, 004SB

SAMPLES:

SDG NUMBER: 0001S

Client Sample #:	Lab Sample #:	Matrix	SVOA
GRDSB00201	689916	Soil	X
510SB00501	690141	Soil	X
510SB00502	690147	Soil	X
510SB00202	690152	Soil	X
510SB00101	690157	Soil	X
510SB00102	690162	Soil	X
510CB00502	690167	Soil	X
044CB00701	690182	Soil	X
510SB00201	690191	Soil	X
512SB00501	690493	Soil	X
512SB00301	690502	Soil	X
512SB00401	690507	Soil	X
512SB00101	690511	Soil	X
512SB00601	690517	Soil	X

Client Sample #:	Lab Sample #:	Matrix	SVOA
512SB00201	690518	Soil	X
512SB00202	690519	Soil	X
GRDSB00101	690520	Soil	X
GRDSB00102	690521	Soil	X
512CB00301	690522	Soil	X
512CB00301MS	689917MS	Soil	X
512CB00301MSD	689918MSD	Soil	X
GRDSB00601	691081	Soil	X

C = FIELD DUPLICATE, MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

SDG NUMBER: 001SB

Client Sample #:	Lab Sample #:	Matrix	SVOA
GRDEB00201	689878	Water	X
GRDDB00201	689899	Water	X

EB = EQUIPMENT BLANK, DB = DEIONIZED BLANK

SDG NUMBER: 0002S

Client Sample #:	Lab Sample #:	Matrix	SVOA
GRDSB00501	691091	Soil	X
GRDSB00301	691118	Soil	X
GRDSB00801	691124	Soil	X
GRDSB00802	691130	Soil	X
511SB00601	691990	Soil	X
508SB00501	692011	Soil	X
508SB00101	692017	Soil	X
508SB00301	692024	Soil	X
508SB00201	692030	Soil	X
508SB00601	692037	Soil	X
508SB00402	692043	Soil	X
508SB00401	692061	Soil	X
511SB00401	692100	Soil	X
511CB00502	692106	Soil	X
511CB00502MS	691092MS	Soil	X
511CB00502MSD	691093MSD	Soil	X
511SB00101	692137	Soil	X
511SB00202	692149	Soil	X
511SB00102	692160	Soil	X
511SB00302	692170	Soil	X
511SB00502	692187	Soil	X
511SB00201	692193	Soil	X

C = FIELD DUPLICATE, MS = MATRIX SPIKE, MATRIS SPIKE DUPLICATE

SDG NUMBER: 0003S

Client Sample #:	Lab Sample #:	Matrix	SVOA
511SB00301	692203	Soil	X
511SB00602	692230	Soil	X
508CB00601	692240	Soil	X
511SB00501	692249	Soil	X
GRDSB00901	696967	Soil	X
GRDSB00901MS	692204MS	Soil	X
GRDSB00901MSD	692204MSD	Soil	X
GRDSB00902	697003	Soil	X
047SB00501	697008	Soil	X
047SB00501DL	697008DL	Soil	X
047SB00601	697020	Soil	X

DL = DILUTION, MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

SDG NUMBER: 004SB

Client Sample #:	Lab Sample #:	Matrix	SVOA
523EB00202	697930	Water	X
523DB00202	697874	Water	X

EB = EQUIPMENT BLANK, DB = DEIONIZED BLANK

DATA REVIEWER(S): Amy L. Hogan, Marvin L. Smith

RELEASE SIGNATURE:

Data Qualifier Definitions:

J	-	The associated numerical value is an estimated quantity.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

Compu Chem - 0001S Organics

SAMPLES: GRDSB00201, 510SB0051, 510SB00502, 510SB00202, 510SB00101, 510SB00102, 510CB00502, 044SB00701, 510SB00201, 512SB00501, 512SB00301, 512SB00401, 512SB00101, 512SB00601, 512SB00201, 512SB00202, GRDSB00101, GRDSB00102, 512CB00301, 512CB00301MS, 512CB00301MSD, GRDSB00601

SEMIVOLATILE ORGANICS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) GC/MS Tuning:

All GC/MS Tuning criteria were met, so no action was necessary.

III.) Calibration:

Initial Calibration:

The Average Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the initial calibration run on 3/16/95 on instrument OWA02:

4-nitroquinoline-1-oxide	0.045
cyclophosphamide	0.042

The results for these compounds in associated samples 510SB00202, 510CB00502, GRDSB00201, 510SB00502, 510SB00101 and 510SB00102, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviation (%RSD) of famphur (143%) exceeded the 30% QC limit for the initial calibration analyzed on 3/16/95 on instrument OWA02. There were no positive results for this compound in the associated samples, so no action was required.

The Average Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the initial calibration run on 3/22/95 on instrument OWA02:

4-nitroquinoline-1-oxide	0.046
cyclophosphamide	0.045

The results for these compounds in associated samples 512SB00401, 512SB00101, 512SB00601, 512SB0021, 512SB00201, GRDSB00101, GRDSB00102, GRDSB00601, 512SB00501, 512CB00301, 510SB00201, 510SB0021, 512SB00301, 044CB00701 and 512CB00301, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) of the following compounds exceeded the 30% QC limit for the initial calibration run on 3/22/95 on instrument OWA02:

benzoic acid	39.2%
famphur	161%

There were no positive results for these compounds in the associated samples. No action was required.

Continuing Calibration:

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 3/20/95 at 02:06 on instrument OWA02:

4-nitroquinoline-1-oxide	0.047
benzoic acid	0.045

The results for benzoic acid in the associated samples 510SB00202, 510SB00502, GRDSB00201, 510CB00502, 510SB00101 and 510SB00102, which consisted entirely of non-detects, were rejected (R). The results for 4-nitroquinoline -1-oxide in the associated samples were previously rejected. No further action was required.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 3/20/95 at 02:06 on instrument OWA02:

benzoic acid	71.9%
4-nitrophenol	27.9%
cyclophosphamide	26.3%
5-nitro-o-toluidine	34.3%
4-nitroaniline	25.1%
famphur	125%

The results for benzoic acid and cyclophosphamide in the associated samples were previously rejected. The results for the other compounds in the associated samples, which consisted entirely of non-detects, were flagged as estimated (UJ).

The Relative Response Factor (RRF) for 4-nitroquinoline-1-oxide (0.045) was below the 0.050 QC limit for the continuing calibration run on 3/23/95 at 03:34 on instrument OWA02. The results for this compound in the associated samples were previously rejected. No further action was required.

The Percent Difference (%D) of famphur (44.5%) exceeded the 25% QC limit for the continuing calibration run on 3/23/95 at 03:34 on instrument OWA02. The results for this compound in associated samples 512SB00401, 512SB00101, 512SB00601, 512SB00201, 512SB00202, GRDSB00101, GRDSB00102, GRDSB00601, 512SB00501, 512SB00301, 510SB00201, 510SB00501 and 044CB00701, which consisted entirely of non-detects, were flagged as estimated (UJ).

The Relative Response Factors (RRF's) of the following compounds were below the 0.050 QC limit for the continuing calibration run on 3/24/95 at 11:51 on instrument OWA02:

benzoic acid	0.013
4-nitroquinoline-1-oxide	0.032

The non-detect result for benzoic acid in associated sample 512CB00301 was rejected (R). The result for the other compound was previously rejected.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 3/24/95 at 11:51 on instrument OWA02:

benzoic acid	91.4%
4-nitroquinoline-1-oxide	30.4%
pyridine	32.5%
paraldehyde	25.3%
2,4-dinitrophenol	36.3%
cyclophosphamide	39.8%
benzidine	37.8%
chlorobenzilate	26.2%
dibenz(a,j)acradine	39.3%
indeno(12,3,-cd)pyrene	39.9%
dibenz(a,h)anthracene	34.8%
benzo(g,h,i)perylene	47.6%

The results for benzoic acid, 4-nitroquinoline-1-oxide and cyclophosphamide in the associated sample were previously rejected. The results for the other compounds in associated sample 512CB00301, which consisted entirely of non-detects, were flagged as estimated (UJ).

IV.) Blanks:

Method Blanks:

Di-n-butylphthalate was detected at 37 ug/kg in soil blank SBLK37. All positive results for this compound in associated samples 510SB00202, 510SB00502, 510CB00502, GRDSB00201, 510SB00101 and 510SB00102 less than 10X the blank amount were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample.

Equipment and Deionized Blanks:

There were no positive detections in associated field blanks GRDEB00201 and GRDDB00201. No action was required.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No action was required.

VI.) Matrix Spike/Matrix Spike Duplicate (MS / MSD):

All MS / MSD criteria were met. No action was required.

VII.) Field Duplicates:

There were no calcuable Relative Percent Differences (RPD's) for field duplicate samples 510SB00502 and 510CB00502. No action was required.

The RPD's of compounds in field duplicate samples 512SB00301 and 512CB00301 were:

fluoranthene	59%
pyrene	26%
benzo(a)anthracene	61%
chrysene	44%
benzo(b)fluoranthene	50%
benzo(k)fluoranthene	59%
benzo(a)pyrene	7.9%

The RPD for benzo (a) anthracene exceeded the 60% QC limit. Resuits for this compound were flagged as estimated in the two field duplicate samples.

VIII.) Internal Standards Performance:

The Percent Recovery of perylene-d12 (202%) exceeded the 50-200% QC limits in sample 512SB00301. All positive results associated with this internal standard for this sample were flagged as estimated (J).

IX.) TCL Compound Identification:

All TCL criteria were met. No action was required.

X.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL's):

All CRQL criteria were met, so no action was required.

XI.) Tentatively Identified Compounds (TIC's):

All TIC criteria were met, so no action was taken.

XII.) System Performance:

All System Performance criteria were met, so no action was necessary.

XIII.) Overall Assessment of Data/General:

XIII.) Overall Assessment of Data/General:

The results for benzo(b)fluoranthene and benzo(k)fluoranthene in samples 044CB00701, 510SB00101, 510SB00501, 512SB00101, 512SB00201, 512SB00202, 512SB00301, 512CB00301, 512SB00401, 512SB0051, 512SB00601 and GRDSB00101 were flagged as estimated (J) by the laboratory. The laboratory stated that they were unable distinguish between the co-eluting isomers. In response, they took the maximum value and divided it between the two compounds, and flagged each one as estimated. No judgement was made by the validator regarding this flagging.

The results for cyclophosphamide and 4-nitroquinoline-1-oxide in all samples were rejected due to low RRF's. Additionally, non-detect results for benzoic acid were rejected in seven samples due to low RRF's. All other laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

Compu Chem - 001SB Organics

SAMPLES: GRDEB00201, GRDDB00201

SEMIVOLATILE ORGANICS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) GC/MS Tuning:

All GC/MS Tuning criteria were met, so no action was necessary.

III.) Calibration:

Initial Calibration:

The Average Relative Response Factor (RRF) for cyclophosphamide (0.033) was below the 0.050 QC limit for the initial calibration run on 2/24/95 on instrument OWA05. The results for this compound in the associated samples (all samples for this SDG), which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviation (%RSD) of famphur (119%) exceeded the 30% QC limit for the initial calibration run on 3/22/95 on instrument OWA02. There were no positive results for this compound in the associated samples. No action was required.

Continuing Calibration:

The Relative Response Factor (RRF) for cyclophosphamide (0.020) was below the 0.050 QC limit for the continuing calibration run on 3/16/95 at 23:41 on instrument OWA05. The results for this compound in the associated samples were previously rejected based on the initial calibration. No further action was required.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration on 3/16/95 at 23:41 on instrument OWA05:

cyclophosphamide	40.5%
n-nitrosodimethylamine	59.1%
methyl methanesulfonate	38.7%
hexachloropropene	29.1%

2-nitroaniline	28.1%
4-nitrophenol	47.1%
pentachloronitrobenzene	32.2%
methapyrilene	28.8%
benzidine	34.9%
famphur	37.1%

The results for cyclophosphamide in the associated samples were previously rejected. The results for the other compounds in associated samples GRDEB00201 and GRDDB00201, which consisted entirely of non-detects, were flagged as estimated (UJ).

IV.) Blanks:

Method Blanks:

All Method Blank criteria were met. No action was required.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No action was required.

VI.) Matrix Spike/Matrix Spike Duplicate (MS / MSD):

There were no MS / MSD analyses for this SDG. No action was necessary.

VII.) Field Duplicates:

There were no field duplicate samples for this SDG. No action was necessary.

VIII.) Internal Standards Performance:

All Internal Standards Performance criteria were met. No action was required.

IX.) TCL Compound Identification:

All TCL Compound Identification criteria were met, so no action was required.

X.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL's):

All CRQL criteria were met, so no action was required.

XI.) Tentatively Identified Compounds (TIC's):

All TIC criteria were met, so no action was taken.

XII.) System Performance:

All System Performance criteria were met, so no action was necessary.

XIII.) Overall Assessment of Data/General:

All results for cyclophosphamide were rejected due to low RRF's. All other laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

Compu Chem - 0002S Organics

SAMPLES: GRDSB00501, GRDSB0001, GRDSB00801, GRDSB00802, 511SB00601, 508SB00501, 508SB00101, 508SB00301, 508SB00201, 508SB00601, 508SB00402, 508SB00401, 511SB00401, 511CB00502, 511CB00502MS, 511CB00502MSD, 511SB00101, 511SB00202, 511SB00102, 511SB00302, 511SB00502, 511SB00201

SEMIVOLATILE ORGANICS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) GC/MS Tuning:

All GC/MS Tuning criteria were met, so no action was necessary.

III.) Calibration:

Initial Calibration:

The Average Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the initial calibration run on 3/29/95 on instrument OWA02:

4-nitroquinoline-1-oxide	0.037
cyclophosphamide	0.046

The results for these compounds in associated samples 511CB00502, 511SB00401, 511SB00101, 511SB00202, 511SB00102, 511SB00302, 511SB00502 and 511SB00201, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) of the following compounds exceeded the 30% QC limit for the initial calibration run on 3/29/95 on instrument OWA02:

benzoic acid	49.4%
famphur	150%

There were no positive results for these compounds in the associated samples. No action was necessary.

The Average Relative Response Factor (RRF) for cyclophosphamide (0.019) was below the 0.050 QC limit for the initial calibration run on 3/03/95 on instrument OWA08. The results for this compound in associated samples GRDSB00501, GRDSB00301, GRDSB00801, GRDSB00802, 511SB00601, 508SB00501, 508SB00101, 508SB00301, 508SB00201, 508SB00402, 508SB00401 and 508SB00601, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviation (%RSD) of famphur (167%) exceeded the 30% QC limit for the initial calibration run on 3/03/95 on intrument OWA08. There were no positive results for this compound in the associated samples. No action was required.

Continuing Calibration:

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 3/22/95 at 19:19 on instrument OWA08:

4-nitroquinoline-1-oxide	0.034
cyclophosphamide	0.020

The results for 4-nitroquinoline-1-oxide in associated samples GRDSB00501, GRDSB00301, GRDSB00801 and GRDSB00802, which consisted entirely of non-detects, were rejected (R). The results for the other compound were previously rejected.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration analyzed on 3/22/95 at 19:19 on instrument OWA08:

4-nitroquinoline-1-oxide	49.2%
n-nitrosodimethylamine	45.2%
methyl methanesulfonate	32.4%
bis(2-chloroisopropyl)ether	25.4%
benzoic acid	63.0%
2-nitroaniline	31.2%
4-nitrophenol	28.7%
benzidine	62.2%
3,3'-dichlorobenzidine	86.1%

The results for 4-nitroquinoline-1-oxide in the associated samples were previously rejected based on the initial calibration. The results for the other compounds in associated samples GRDSB00501, GRDSB00301, GRDSB00801 and GRDSB00802, which consisted entirely of non-detects, were flagged as estimated (UJ).

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 3/24/95 at 22:58 on instrument OWA08:

4-nitroquinoline-1-oxide	0.032
cyclophosphamide	0.027

The results for these compounds in the associated samples were previously rejected based on the initial calibration. No further action was required.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 3/24/95 at 22:58 on instrument OWA08:

4-nitroquinoline-1-oxide	52.4%
cyclophosphamide	41.4%
benzoic acid	44.4%
2,4-dinitrophenol	35.2%
4-nitrophenol	33.2%
methapyrilene	32.2%
benzidine	60.8%

The results for 4-nitroquinoline-1-oxide and cyclophosphamide in the associated samples were previously rejected. The results for the other compounds in associated samples 511SB00601, 508SB00501, 508SB00101, 508SB00301, 508SB00201, 508SB00402, 508SB00401 and 508SB00601, which consisted entirely of non-detects, were flagged as estimated (UJ).

The Relative Response Factor (RRF) for 4-nitroquinoline-1-oxide (0.034) was below the 0.050 QC limit for the continuing calibration run on 3/29/95 at 05:11 on instrument OWA02. The results for this compound in the associated samples were previously rejected based on the initial calibration. No further action was required.

IV.) Blanks:

Method Blanks:

Bis(2-ethylhexyl)phthalate was detected at 50 ug/kg in soil blank SBLK53. All positive results for this compound in associated samples GRDSB0031, GRDSB00501, GRDSB00801 and GRDSB008002 less than 10X the blank amount were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No action was required.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

All MS / MSD criteria were met. No action was required.

VII.) Field Duplicates:

There were no calculable Relative Percent Differences (RPD's) for field duplicate samples 511SB00502 and 511CB00502. No action was required.

The RPD's of the following compounds were calculated for field duplicate samples 508SB00601 and 508CB006019 (analyzed in SDG 0003S):

acenaphthalene	76%
phenanthrene	12%
anthracene	0.0%
fluoranthene	24%
pyrene	21%
benzo(a)anthracene	50%
chrysene	50%
benzo(a)pyrene	25%

The RPD for the acenaphthalene exceeded the 60% QC limit, so the results were flagged as estimated (J) in the two samples.

VIII.) Internal Standards Performance:

All Internal Standards Performance criteria were met. No action was required.

IX.) TCL Compound Identification:

All TCL Compound Identification criteria were met, so no action was required.

X.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL's):

All CRQL criteria were met, so no action was required.

XI.) Tentatively Identified Compounds (TIC's):

All TIC criteria were met, so no action was taken.

XII.) System Performance:

All System Performance criteria were met, so no action was necessary.

XIII.) Overall Assessment of Data/General:

All results for 4-nitroquinoline-1-oxide and cyclophosphamide were rejected due to low RRF's. All other laboratory data were acceptable with qualification. The results for benzo(b)fluoranthene and benzo(k)fluoranthene in samples 508SB00201, 508SB00301, 508SB0041, 508SB00501, 508SB00601, 511SB00101, GRDSB00301 and GRDSB00501 were flagged as estimated (J) by the laboratory. The laboratory stated that they were unable distinguish between the co-eluting isomers. In response, they took the maximum value and divided it between the two compounds, and flagged each one as estimated. No judgement was made by the validator regarding this flagging.

DATA QUALIFICATION SUMMARY

Compu Chem - 0003S Organics

SAMPLES: 511SB00301, 511SB00602, 508CB00601, 511SB00501, GRDSB00901, GRDSB00901MS, GRDSB00901MSD, GRDSB00902, 047SB00501, 047SB00501DL, 047SB00502, 047SB00601

SEMIVOLATILE ORGANICS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) GC/MS Tuning:

All GC/MS Tuning criteria were met, so no action was necessary.

III.) Calibration:

Initial Calibration:

The Average Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the initial calibration run on 3/22/95 on instrument OWA02:

4-nitroquinoline-1-oxide	0.046
cyclophosphamide	0.045

The results for these compounds in associated samples 511SB00301, 511SB00602, 511SB00501 and 508CB00601, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) of the following compounds exceeded the 30% QC limit for the initial calibration run on 3/22/95 on instrument OWA02:

benzoic acid	39.2%
famphur	161%

There were no positive results for these compounds in the associated samples. No action was necessary.

The Average Relative Response Factor (RRF) for benzoic acid (0.048) was below the 0.050 QC limit for the initial calibration run on 4/11/95 on instrument OWA04. The results for this compound in associated samples GRDSB00901, GRDSB00902, 047SB00501, 047SB00501DL and 047SB00601, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) of n-nitropyrrolidine (30.9%) and famphur (74.3%) exceeded the 30% QC limit for the initial calibration run on 4/11/95 on instrument OWA04. There were no positive results for these compounds in the associated samples. No action was required.

Continuing Calibration:

The Relative Response Factor (RRF) for 4-nitroquinoline-1-oxide (0.046) was below the 0.050 QC limit for the continuing calibration run on 3/26/95 at 09:01 on instrument OWA02. The results for this compound in the associated samples were previously rejected. No further action was required.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration analyzed on 3/26/95 at 09:01 on instrument OWA02:

n-nitrosodimethylamine	26.8%
bis(2-chloroisopropyl)ether	25.0%
benzoic acid	43.6%
2,4-dinitrophenol	29.8%
5-nitro-o-toluidine	29.3%
4-nitroaniline	26.2%
3,3'-dimethoxybenzidine	27.4%
benzo(k)fluoranthene	26.6%

The results for these compounds in associated samples 511SB00301, 511SB00602, 511SB00501 and 508CB00601, which consisted entirely of non-detects, were flagged as estimated (UJ).

The Percent Difference (%D) of benzoic acid (40.5%) exceeded the 25% QC limit for the continuing calibration run on 4/11/95 at 13:18 on instrument OWA04. The results for this compound in associated samples GRDSB00901, GRDSB00902, 047SB00501, 047SB00501DL, 047SB00502 and 047SB00601 were previously rejected based on the initial calibration. No further action was required.

IV.) Blanks:

Method Blanks:

Di-n-butylphthalate was detected at 51 ug/kg in soil blank SBLK06. All positive results for this compound in associated samples 511SB00301, 511SB00501, 511SB00602 and 508CB00601 less than 10X the blank amount were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No action was required.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

All MS / MSD criteria were met. No action was required.

VII.) Field Duplicates:

The RPD's of the following compounds were calculated for field duplicate samples 508CB00601 and 508SB00601, which were analyzed in SDG 0002S:

acenaphylene	76%
phenanthrene	12%
anthracene	0%
fluoranthene	24%
pyrene	21%
benzo(a)anthracene	50%
chrysene	50%
benzo(a)pyrene	25%

The RPD of acenaphylene exceeded the 60% QC limit. Results for this compound were flagged as estimated (J) in the two samples.

VIII.) Internal Standards Performance:

All Internal Standards Performance criteria were met. No action was required.

IX.) TCL Compound Identification:

All TCL Compound Identification criteria were met, so no action was required.

X.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL's):

All CRQL criteria were met, so no action was required.

XI.) Tentatively Identified Compounds (TIC's):

All TIC criteria were met, so no action was taken.

XII.) System Performance:

All System Performance criteria were met, so no action was necessary.

XIII.) Overall Assessment of Data/General:

The results for benzo(b)fluoranthene and benzo(k)fluoranthene in samples 047SB00501, 047SB00501DL, 047SB00502, 047SB00601, 508CB00601, 511SB00501 and GRDSB00902 were flagged as estimated (J) by the laboratory. The laboratory stated that they were unable distinguish between the coeluting isomers. In response, they took the maximum value and divided it between the two compounds, and flagged each one as estimated. No judgement was made by the validator regarding this flagging.

The non-detect results for benzoic acid, 4-nitroquinoline-1-oxide and cyclophosphamide were rejected in associated samples due to low RRF's. All other laboratory data were acceptable with qualification.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422, Norcross, GA 30093

(770) 923-3890
(770) 923-8769 (Fax)

DATA VALIDATION SUMMARY REPORT

COMPANY:	Ensafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
PROJECT NUMBER:	8500.014
CASE NUMBER:	30057
CONTRACTED LAB:	CompuChem Environmental Corporation
QA/QC LEVEL:	Level III
EPA SOW/METHOD:	EPA 1990 SOW / TCLP Method 1311
VALIDATION GUIDELINES:	*USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review,* 1994
SAMPLE MATRIX:	Solid (Coal) Leachate
TYPES OF ANALYSES:	TCLP Volatile Organics (VOA), TCLP Semivolatile Organics (SVOA), TCLP Chlorinated Pesticides (PEST)
SDG NUMBERS:	001VT, 001ST, 001PT

SAMPLES:

SDG NUMBER: 001VT

Client Sample No:	Lab Number:	Matrix	VOA
044KB00101	698373	Leachate	X
044KB00101MS	698374MS	Leachate	X
044KB00101MSD	698375MSD	Leachate	X

MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

SDG NUMBER: 001ST

Client Sample No:	Lab Number:	Matrix	SVOA
044KB00101	698377	Leachate	X
044KB00101MS	698378MS	Leachate	X
044KB00101MSD	698379MSD	Leachate	X

MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

SDG NUMBER: 001PT

Client Sample No:	Lab Number:	Matrix	PEST
044KB00101	698381	Leachate	X
044KB00101MS	698382MS	Leachate	X
044KB00101MSD	698383MSD	Leachate	X

MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

DATA REVIEWER(S): Marvin L. Smith, Jean M. Delashmit

RELEASE SIGNATURE:

Data Qualifier Definitions

J	-	The association numerical value is an estimated quantity.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 001VT TCLP Volatile Organics

SAMPLES: 044KB00101, 044KB00101MS, 044KB00101MSD

VOLATILE ORGANICS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) GC/MS Tuning:

All GC/MS Tuning criteria were met, so no action was necessary.

III.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met, so no action was taken.

Continuing Calibration:

The Percent Difference (%D) of 2-butanone was 30.6% for the standard run on 4/11/95 at 01:43, which exceeded the 25% QC limit. The non-detect result for this compound in sample 044KB00101 was flagged as estimated (UJ).

IV.) Blanks:

Method Blanks:

2-Butanone was detected at 0.17 mg/L in the method blank. The positive detection of this compound in sample 044KB00101, which was less than 10X this amount, was flagged as undetected (U) with the detection limit being raised to the amount of contamination in the sample.

Field Blanks:

There were no field blanks associated with this SDG. No action was required.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No action was required.

VI.) Matrix Spike/Matrix Spike Duplicate (MS / MSD):

All MS / MSD criteria were met. No action was necessary.

VII.) Field Duplicates:

There were no field duplicate samples associated with this SDG. No action was taken.

VIII.) Internal Standards Performance:

There were no Internal Standards Performance data present in the data package. All positive and non-detect sample results were flagged as estimated (J) and (UJ).

IX.) TCL Compound Identification:

All TCL Compound Identification criteria were met, so no action was required.

X.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL's):

All CRQL criteria were met, so no action was required.

XI.) Tentatively Identified Compounds (TIC's):

All TIC criteria were met, so no action was taken.

XII.) System Performance:

All System Performance criteria were met, so no action was necessary.

XIII.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 001ST TCLP Semivolatile Organics

SAMPLES: 044KB00101, 044KB00101MS, 044KB00101MSD

SEMIVOLATILE ORGANICS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) GC/MS Tuning:

All GC/MS Tuning criteria were met, so no action was necessary.

III.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met, so no action was taken.

Continuing Calibration:

All Continuing Calibration criteria were met, so no action was required.

IV.) Blanks:

Method Blanks:

There were no positive detections in the method blank. No action was necessary.

Field Blanks:

There were no field blanks associated with this SDG. No action was required.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No action was required.

VI.) Matrix Spike/Matrix Spike Duplicate (MS / MSD):

All MS / MSD criteria were met. No action was necessary.

VII.) Field Duplicates:

There were no field duplicate samples associated with this SDG. No action was taken.

VIII.) Internal Standards Performance:

There were no Internal Standards Performance data present in the data package. All positive and non-detect sample results were flagged as estimated (J) and (UJ).

IX.) TCL Compound Identification:

All TCL Compound Identification criteria were met, so no action was required.

X.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL's):

All CRQL criteria were met, so no action was required.

XI.) Tentatively Identified Compounds (TIC's):

All TIC criteria were met, so no action was taken.

XII.) System Performance:

All System Performance criteria were met, so no action was necessary.

XIII.) Overall Assessment of Data/General:

All laboratory data were acceptable without qualification.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - TCLP 001PT Organochlorine Pesticides

SAMPLES: 044KB00101, 044KB00101MS, 044KB00101MSD

ORGANOCHLORINE PESTICIDES

I.) Holding Times:

All Holding Time criteria were met, so no action was required.

II.) Instrument Performance:

All Instrument Performance criteria were met, so no action was necessary.

III.) Calibration:

Initial Calibration:

All Initial Calibration criteria were met, so no action was required.

Continuing Calibration:

The Percent Difference (%D) of endrin was 30.0% for the standard run on 5/5/95 at 03:53 on the secondary column, which exceeded the 25% QC limit. The non-detect result for endrin in sample 044KB00101 was flagged as estimated (UJ).

IV.) Blanks:

Method Blanks:

There were no positive detections in the method blank. Data qualification was not required.

Field Blanks:

There were no field blanks associated with this SDG. No action was necessary.

V.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

All MS / MSD criteria were met. No action was taken.

VI.) TCL Compound Identification:

All criteria were met, so no action was necessary.

VII.) Field Duplicates:

There were no field duplicates associated with this SDG. No action was required.

VIII.) Pesticide Cleanup Check:

Florisil Cartridge Check:

Florisil Cartridge Check data are not required for TCLP. No action was taken.

Gel Permeation Chromatography (GPC):

Gel Permeation Chromatography (GPC) is not required for TCLP. No action was necessary.

IX.) Overall Assessment of Data/General:

All laboratory data were acceptable with qualification.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422, Norcross, Ga. 30093

DATA VALIDATION SUMMARY REPORT

COMPANY:	Ensafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
PROJECT NUMBER:	8500.014
CONTRACTED LAB:	CompuChem Environmental Corp.
QA/QC LEVEL:	Level III
EPA SOW/METHOD:	EPA 1990 SOW
VALIDATION GUIDELINES:	*USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review,* 1994
SAMPLE MATRIX:	Water
TYPES OF ANALYSES:	Semivolatile Organics (SVOA)
SDG NUMBER:	0016S

SAMPLES:

Client Sample #:	Lab Sample #:	Matrix	SVOA
0007000001	707033	Water	X
044GW00601	709173	Water	X
519EB00101	706970	Water	X
GRDGW00201	709202	Water	X

EB = EQUIPMENT BLANK

DATA REVIEWER(S): Amy L. Hogan, Marvin L. Smith

RELEASE SIGNATURE:

Data Qualifier Definitions

J	-	The association numerical value is an estimated quantity.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corp. - 0016S Organics

SAMPLES: 0007000001, 044GW00601, 519EB00101, GRDGW00201

SEMIVOLATILE ORGANICS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) GC/MS Tuning:

All GC/MS Tuning criteria were met, so no action was necessary.

III.) Calibration:

Initial Calibration:

The Average Relative Response Factor (RRF) for cyclophosphamide (0.019) was below the 0.050 QC limit for the initial calibration run on 3/03/95 on instrument OWA08. The results for this compound in associated samples 519EB00101 and 0007000001, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviation (%RSD) of famphur (167%) exceeded the 30% QC limit for the initial calibration on 3/03/95 on instrument OWA08. There were no positive results for this compound in the associated samples, so no action was required.

The Average Relative Response Factor (RRF) for famphur (0.024) was below the 0.050 QC limit for the initial calibration run on 3/09/95 on instrument 5972HP60. The results for this compound in associated samples 044GW00601 and GRDGW00201, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) of cyclophosphamide (52.0%) and famphur (153%) exceeded the 30% QC limit for the initial calibration run on 3/09/95 on instrument 5972HP60. The associated results for famphur were previously rejected. There were no positive results for cyclophosphamide in the associated samples. No further action was necessary.

Continuing Calibration:

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 5/02/95 at 14:43 on instrument OWA08:

4-nitroquinoline-1-oxide	0.019
cyclophosphamide	0.017

The results for cyclophosphamide were previously rejected based on the initial calibration. The results for 4-nitroquinoline-1-oxide in associated samples 519EB00101 and 0007000001, which consisted entirely of non-detects, were rejected (R).

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 5/02/95 at 14:43 on instrument OWA08:

n-nitroso-di-n-propylamine	27.4%
benzoic acid	64.7%
2-nitroaniline	27.3%
2,4-dinitrophenol	25.8%
4-nitroquinoline-1-oxide	71.4%
4-nitroaniline	29.5%
phenacetin	49.1%
dimethoate	50.6%
pronamide	37.6%
chlorobenzilate	31.2%
famphur	84.5%

The results for these compounds in associated sample and 0007000001, which consisted entirely of non-detects, were flagged as estimated (UJ). The associated blank 519EB00101 was not flagged.

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 5/04/95 at 10:38 on instrument 5972HP60:

4-nitroquinoline-1-oxide	0.027
benzal chloride	0.028
famphur	0.002

The results for famphur in the associated samples were previously rejected based on the initial calibration. The results for the other compounds in associated samples 044GW00601 and GRDGW00201, which consisted entirely of non-detects, were rejected (R).

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration on 5/04/95 at 10:38 on instrument 5972HP60:

benzal chloride	94.9%
4-nitroquinoline-1-oxide	75.9%
famphur	93.5%
n-nitrosodimethylamine	50.0%
ethyl methacrylate	35.7%
methyl methanesulfonate	27.7%
benzyl chloride	25.2%
bis(2-chloroisopropyl)ether	37.8%
n-nitroso-di-n-propylamine	26.8%

nitrobenzene	37.5%
isophorone	25.5%
n-nitroso-di-n-butylamine	26.8%
2-nitroaniline	45.2%
1,2-diphenylhydrazine	44.7%
dimethoate	35.5%
methapyrilene	39.2%
benzidine	50.2%
pyrene	37.1%
aramite	77.2%
p-dimethylaminoazobenzene	33.0%
chlorobenzilate	44.2%
benzo(g,h,i)perylene	26.3%

The results for benzal chloride, 4-nitroquinoline-1-oxide and famphur in the associated samples were previously rejected. The results for the other compounds in associated samples 044GW00601 and GRDGW00201, which consisted entirely of non-detects, were flagged as estimated (UJ).

IV.) Blanks:

Method Blanks:

All Method Blank criteria were met. No action was required.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No action was necessary.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

No MS / MSD analyses were performed for this SDG. Instead, a blank spike (BS) and blank spike duplicate (BSD) were analyzed. No action was taken.

VII.) Field Duplicates:

There were no field duplicate samples associated with this SDG. No action was required.

VIII.) Internal Standards Performance:

All Internal Standards Performance criteria were met. No action was required.

IX.) TCL Compound Identification:

All TCL criteria were met. No action was required.

X.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL's):

All CRQL criteria were met, so no action was required.

XI.) Tentatively Identified Compounds (TIC's):

All TIC criteria were met, so no action was taken.

XII.) System Performance:

All System Performance criteria were met, so no action was necessary.

XIII.) Overall Assessment of Data/General:

The non-detect results for famphur and benzal chloride in two samples, cyclophosphomide in one sample and one blank, and 4-nitroquinoline-1-oxide in all samples in this SDG were rejected due to low response factors. All other laboratory data were acceptable with qualification.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422, Norcross, Ga. 30093

DATA VALIDATION SUMMARY REPORT

COMPANY:	Ensafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
PROJECT NUMBER:	8500.014
CONTRACTED LAB:	CompuChem Environmental Co.
QA/QC LEVEL:	Level III
EPA SOW/METHOD:	EPA 1990 SOW
VALIDATION GUIDELINES:	*National Functional Guidelines for Organic Data Review,* 1994; *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, 1994*
SAMPLE MATRIX:	Soil
TYPES OF ANALYSES:	Semivolatile Organics (SVOA)
SDG NUMBERS:	0012S, 0015S

SAMPLES:

SDG NUMBER: 0012S

Client Sample #:	Lab Sample #:	Matrix	SVOA
047SB00901	703443	Soil	X
047CB00901	703519	Soil	X
047SB00902	703459	Soil	X
047SB01001	703484	Soil	X
047SB01101	703490	Soil	X
047SB01102	703496	Soil	X
515SB00101	704230	Soil	X
515SB00102	704242	Soil	X
515SB00202	704275	Soil	X
515SB00301	704289	Soil	X
515SB00302	704314	Soil	X
515SB00401	704341	Soil	X
515SB00402	704362	Soil	X
515SB00501	704379	Soil	X
515SB00501RE	704379RE	Soil	X

Client Sample #:	Lab Sample #:	Matrix	SVOA
515SB00502	704385	Soil	X
515SB00601	704197	Soil	X
516SB00602	704203	Soil	X
515CB00602	704214	Soil	X
GRDSB00401	703502	Soil	X
GRDSB00402	703508	Soil	X

C = FIELD DUPLICATE, RE = REANALYSIS

SDG NUMBER: 0015S

Client Sample #:	Lab Sample #:	Matrix	SVOA
510SB00301	704420	Soil	X
510SB00302	704441	Soil	X
510SB00401	704396	Soil	X
510SB00402	704413	Soil	X
515SB00201	704250	Soil	X
519SB00101	706638	Soil	X
519CB00101	706644	Soil	X
519SB00102	706662	Soil	X
519SB00201	706673	Soil	X
519SB00202	706679	Soil	X
519SB00301	706685	Soil	X
519SB00302	706695	Soil	X
519SB00401	706701	Soil	X
519SB00402	706707	Soil	X
519SB00501	706714	Soil	X
519SB00502	706721	Soil	X
519SB00601	706730	Soil	X
519SB00602	706736	Soil	X
515SB00201MS	704251MS	Soil	X
515SB00201MSD	704252MSD	Soil	X

C = FIELD DUPLICATE, MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

DATA REVIEWER(S): Amy L. Hogan, Marvin L. Smith

RELEASE SIGNATURE:

Data Qualifier Definitions:

J	-	The associated numerical value is an estimated quantity.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

CompuChem - 0012S Organics

SAMPLES: 047SB00901, 047CB00901, 047SB00902, 047SB01001, 047SB01101, 047SB01102, 515SB00101, 515SB00102, 515SB00202, 515SB00301, 515SB00302, 515SB00401, 515SB00402, 515SB00501, 515SB00501RE, 515SB00502, 515SB00601, 515SB00602, 515CB00602, GRDSB00401, GRDSB00402

SEMIVOLATILE ORGANICS

I.) Holding Times:

The 17 days between sample date and analysis date exceeded the 14 day QC limit for sample 515SB00501RE. All positive and non-detect results for this sample were flagged as estimated (J) and (UJ).

II.) GC/MS Tuning:

All GC/MS Tuning criteria were met, so no action was necessary.

III.) Calibration:

Initial Calibration:

The Average Relative Response Factor (RRF) for 4-nitroquinoline-1-oxide (0.038) was below the 0.050 QC limit for the initial calibration run on 4/25/95 on instrument OWA05. The results for this compound in associated samples 047SB00901, 047CB00901, 047SB01001, 047SB01101, 047SB01102 and GRDSB00402, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) of benzoic acid (33.0%) and famphur (111%) exceeded the 30% QC limit for the initial calibration on 4/25/95 on instrument OWA05. There were no positive results for these compounds in the associated samples, so no action was required.

The Average Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the initial calibration run on 5/03/95 on instrument OWA05:

4-nitroquinoline-1-oxide	0.049
cyclophosphamide	0.019

The results for these compounds in associated samples 047SB00902, GRDSB00401 and 515SB00501RE, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) of the following compounds exceeded the 30% QC limit for the initial calibration run on 5/03/95 on instrument OWA05:

cyclophosphamide	35.0%
nitrosomethyethylamine	33.3%
aniline	31.2%
o-toluidine hydrochloride	35.8%
famphur	39.5%

The results for cyclophosphamide in the associated samples were previously rejected. There were no positive results for the other compounds in the associated samples. No further action was required.

The Average Relative Response Factor (RRF) for cyclophosphamide (0.019) was below the 0.050 QC limit for the initial calibration run on 3/03/95 on instrument OWA08. The results for this compound in associated samples 515CB00602, 515SB00601, 515SB00102, 515SB00202, 515SB00301, 515SB00302, 515SB00401, 515SB00402, 515SB00501, 515SB00502, 515SB00602 and 515SB00101, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviation (%RSD) for famphur (167%) exceeded the 30% QC limit for the initial calibration run on 3/03/95 on instrument OWA08. There were no positive results for this compound in the associated samples. No action was necessary.

Continuing Calibration:

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 4/26/95 at 09:54 on instrument OWA05:

benzoic acid	0.024
4-nitroquinoline-1-oxide	0.029
famphur	0.046

The results for 4-nitroquinoline-1-oxide were previously rejected. The results for the two other compounds in associated samples 047SB00901, 047CB00901, 047SB01001, 047SB01101, 047SB01102 and GRDSB00402, which consisted entirely of non-detects, were rejected (R).

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 4/26/95 at 09:54 on instrument OWA05:

benzoic acid	81.4%
hexachlorocyclopentadiene	26.4%
famphur	48.3%

The results for benzoic acid and famphur in the associated samples were previously rejected. The results for hexachlorocyclopentadiene in associated samples 047SB00901, 047CB00901, 047SB01001, 047SB01101, 047SB01102 and GRDSB00402, which consisted entirely of non-detects, were flagged as estimated (UJ).

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 5/03/95 at 22:34 on instrument OWA05:

4-nitroquinoline-1-oxide	0.045
cyclophosphamide	0.022

The results for these compounds in the associated samples were previously rejected based on the initial calibration. No further action was required.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration on 5/03/95 at 22:34 on instrument OWA05:

aniline	44.7%
o-toluidine hydrochloride	55.0%
4-chloroaniline	45.6%

The results for these compounds in associated samples 047SB00902 and GRDSB00401, which consisted entirely of non-detects, were flagged as estimated (UJ).

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 5/05/95 at 15:58 on instrument OWA05:

4-nitroquinoline-1-oxide	0.048
cyclophosphamide	0.020

The results for these compounds in the associated sample were previously rejected. No further action was required.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 5/05/95 at 15:58 on instrument OWA05:

pyridine	33.8%
paraldehyde	27.1%
ethylmethacrylate	30.8%
aniline	32.6%
bis(2-chloroisopropyl)ether	28.3%
o-toluidine hydrochloride	56.2%
benzoic acid	46.9%
4-chloroaniline	67.8%
2-napthylamine	39.0%
1-napthylamine	78.4%
5-nitro-o-toluidine	28.4%
4-nitroaniline	32.3%
1,3,5-trinitrobenzene	69.2%
4-aminobiphenyl	73.7%
famphur	42.7%

The results for these compounds in associated sample 515SB00501RE were previously flagged as estimated (UJ). No further action was required.

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 5/03/95 at 03:27 on instrument OWA08:

4-nitroquinoline-1-oxide	0.015
cyclophosphamide	0.015

The results for 4-nitroquinoline-1-oxide in associated samples 515CB00602, 515SB00601, 515SB00102, 515SB00202, 515SB00301, 515SB00302 and 515SB00401, which consisted entirely of non-detects, were rejected (R). The results for cyclophosphamide were previously rejected based on the initial calibration.

The Percent Differences (%D's) for the following compounds exceeded the 25% QC limit for the continuing calibration run on 5/03/95 at 03:27 on instrument OWA08:

4-nitroquinoline-1-oxide	77.2%
n-nitrosodimethylamine	30.6%
bis(2-chloroisopropyl)ether	28.5%
benzoic acid	53.1%
pronamide	34.1%
famphur	185%
dibenzo(a,j)acridine	28.3%

The results for 4-nitroquiniline-1-oxide and cyclophosphamide in the associated samples were previously rejected. The results for the other compounds in associated samples 515CB00602, 515SB00601, 515SB00102, 515SB00202, 515SB00301, 515SB00302 and 515SB00401, which consisted entirely of non-detects, were flagged as estimated (UJ).

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 5/03/95 at 17:37 on instrument OWA08:

4-nitroquinoline-1-oxide	0.014
cyclophosphamide	0.014
famphur	0.034

The results for cyclophosphamide in associated samples 515SB00402, 515SB00501, 515SB00502, 515SB00602 and 515SB00101 were previously rejected. The results for the two other compounds in these samples, which consisted entirely of non-detects, were rejected (R).

The Percent Differences (%D's) for the following compounds exceeded the 25% QC limit for the continuing calibration run on 5/03/95 at 17:37 on instrument OWA08:

4-nitroquinoline-1-oxide	78.4%
cyclophosphamide	29.5%
famphur	48.4%
bis(2-chloroisopropyl)ether	30.0%
2,4-dimethylphenol	26.2%

4-nitrophenol	27.7%
pronamide	38.5%
methapyrilene	32.6%
chlorobenzilate	28.9%
dibenzo(a,j)acridine	28.5%
benzo(g,h,i)perylene	30.8%

The results for 4-nitroquinoline-1-oxide, cyclophosphamide and famphur in the associated samples were previously rejected. The results for the other compounds in associated samples 515SB00402, 515SB00501, 515SB00502, 515SB00602 and 515SB00101, which consisted entirely of non-detects, were flagged as estimated (UJ).

IV.) Blanks:

Method Blanks:

Di-n-butylphthalate was detected at 68.0 ug/kg in soil blank SBLK06. All positive results for this compound in associated samples 515CB00602, 515SB00601, 515SB00102, 515SB00202, 515SB00301, 515SB00302, 515SB00401, 515SB00402, 515SB00501, 515SB00502, 515SB00602 and 515SB00101 less than 10X the blank amount were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample.

V.) Surrogate Recoveries:

The Percent Recoveries (%R's) of the following surrogates in sample 515SB00501 were outside the QC limits:

Surrogate	%R	QC limits
2-fluorophenol	11%	25-121%
phenol-d5	8%	24-113%
nitrobenzene-d5	5%	23-120%
2-fluorobiphenyl	10%	30-115%
2,4,6-tribromophenol	7%	19-112%
terphenyl-d14	13%	18-137%

Since recoveries of less than 10% were found for both acid and base/neutral fraction surrogates, all results for this sample, which consisted entirely of non-detects, were rejected (R).

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

There were no MS / MSD's associated with this SDG. No action was required.

VII.) Field Duplicates:

The Relative Percent Differences (RPD's) for the following compounds were calculated for field duplicate samples 047SB00901 and 047CB00901:

flourene	59%
phenanthrene	38%
anthracene	21%
di-n-butylphthalate	22%
pyrene	4.1%
benzo(a)anthracene	21%
chrysene	25%
benzo(a)pyrene	58%

Since all of the RPD's were within the 60% QC limit, no action was required.

There were no calculable RPD's for field duplicate samples 515SB00601 and 515CB00601. No action was necessary.

VIII.) Internal Standards Performance:

All Internal Standards Performance criteria were met. No action was required.

IX.) TCL Compound Identification:

The results for benzo(b)fluoranthene and benzo(k)fluoranthene in samples 0047SB00901, 047CB00901, 047SB00902, 047SB01101, 047SB01102, 515SB00101, 515SB00301, 515SB00501RE and 515SB00601 were flagged as estimated (J) by the laboratory. The laboratory stated that they were unable to distinguish between the coeluting isomers. In the laboratory, they took the maximum value and divided it between the two compounds, and flagged each one as estimated. No judgement was made by the validator in regards to this flagging.

All other TCL criteria were met. No action was required.

X.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL's):

All CRQL criteria were met, so no action was required.

XI.) Tentatively Identified Compounds (TIC's):

All TIC criteria were met., so no action was taken.

XII.) System Performance:

All System Performance criteria were met, so no action was necessary.

XIII.) Overall Assessment of Data/General:

All results for cyclophosphamide and 4-nitroquinoline-1-oxide in this SDG were rejected due to low response factors. The reanalysis (515AB00501RE) of sample 515SB00501 is considered by the validator to be of preferable data quality since all results for the original sample were rejected due to low surrogate recoveries (<10%) in both acid and base/neutral fractions. All other laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

CompuChem - 0015S Organics

SAMPLES: 510SB00301, 510SB00302, 510SB00401, 510SB00402, 515SB00201, 515SB00201MS, 515SB00201MSD, 519SB00101, 519CB00101, 519SB00102, 519SB00201, 519SB00202, 519SB00301, 519SB00302, 519SB00401, 519SB00402, 519SB00501, 519SB00502, 519SB00601, 519SB00602

SEMIVOLATILE ORGANICS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) GC/MS Tuning:

All GC/MS Tuning criteria were met, so no action was necessary.

III.) Calibration:

Initial Calibration:

The Average Relative Response Factor (RRF) for 4-nitroquinoline-1-oxide (0.038) was below the 0.050 QC limit for the initial calibration run on 4/25/95 on instrument OWA05. The results for this compound in associated samples 515SB00201, 510SB00401, 510SB00402, 510SB00301 and 510SB00302, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) for famphur (111%) and benzoic acid (33.0%) exceeded the 30% QC limit for the initial calibration on 4/25/95 on instrument OWA05. There were no positive results for these compounds in the associated samples. Since the %RSD for famphur exceeded 70%, the non-detect results for this compound in associated samples 515SB00201, 510SB00401, 510SB00402, 510SB00301 and 510SB00302 were flagged as estimated (UJ).

The Average Relative Response Factor (RRF) of cyclophosphamide (0.019) was below the 0.050 QC limit for the initial calibration run on 3/30/95 on instrument OWA08. The results for this compound in associated samples 519SB00101, 519CB00101, 519SB00102, 519SB00201, 519SB00202, 519SB00301, 519SB00302, 519SB00401, 519SB00402, 519SB00501, 519SB00502, 519SB00601 and 519SB00602, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviation (%RSD) of famphur (167%) exceeded the 30% QC limit for the initial calibration run on 3/30/95 on instrument OWA08. Since the %RSD exeeded 70%, all results for this compound in associated samples 519SB00101, 519CB00101, 519SB00102, 519SB00201, 519SB00202, 519SB00301, 519SB00302, 519SB00401, 519SB00402, 519SB00501, 519SB00502, 519SB00601 and 519SB00602, which consisted entirely of non-detects, were flagged as estimated (UJ).

Continuing Calibration:

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 4/26/95 at 09:54 on instrument OWA05:

benzoic acid	0.024
4-nitroquinoline-1-oxide	0.029
famphur	0.046

The results for famphur and benzoic acid in associated samples 515SB00201, 510SB00401, 510SB00402, 510SB00301 and 510SB00302, which consisted entirely of non-detects, were rejected (R). The results for 4-nitroquinoline-1-oxide were previously rejected.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 4/26/95 at 09:54 on instrument OWA05:

benzoic acid	83.6%
famphur	51.6%
benzyl chloride	25.5%
hexachlorocylopentadiene	33.1%
4-bromophenyl-phenyl ether	28.2%

The results for benzoic acid and famphur were previously rejected (R). The non-detect results for the other compounds in associated samples 515SB00201, 510SB00401, 510SB00402, 510SB00301 and 510SB00302 were flagged as estimated (UJ).

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 5/01/95 at 12:47 on instrument OWA08:

cyclophosphamide	0.020
4-nitroquinoline-1-oxide	0.020

The results for 4-nitroquinoine-1-oxide in associated samples 519SB00101, 519CB00101, 519SB00102, 519SB00201, 519SB00202, 519SB00301, 519SB00302, 519SB00401, 519SB00402, 519SB00501, 519SB00502, 519SB00601 and 519SB00602, which consisted entirely of non-detects, were rejected (R). The results for cyclophosphamide were previously rejected.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 5/01/95 at 12:47 on instrument OWA08:

4-nitroquinoline-1-oxide	69.5%
ethyl methacrylate	35.2%
n-nitroso-di-n-propylamine	26.6%
nitrobenzene	26.1%
4-nitrophenol	72.0%
2-napthylamine	27.9%
famphur	155%
phenacetin	41.1%
dimethoate	32.0%
pronamide	37.4%
chlorobenzilate	28.8%

The results for 4-nitroquinoline-1-oxide were previously rejected. The results for the other compounds in the associated samples, which consisted entirely of non-detects, were flagged as estimated (UJ).

IV.) Blanks:

Method Blanks:

Di-n-butylphthalate was detected at 55.0 ug/kg in soil blank SBLK07. All positive results for this compound in associated samples 515SB00201, 510SB00401, 510SB00402, 510SB00301 and 510SB00302 less than 10X the blank amount were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No action was required.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

All MS / MSD criteria were met. No action was necessary.

VII.) Field Duplicates:

There were no calcuable Relative Percent Differences (RPD's) for field duplicate samples 519CB00101 and 519SB00101. No action was required.

VIII.) Internal Standards Performance:

All Internal Standards Performance criteria were met. No action was required.

IX.) TCL Compound Identification:

All TCL criteria were met. No action was required.

X.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL's):

All CRQL criteria were met, so no action was required.

XI.) Tentatively Identified Compounds (TIC's):

All TIC criteria were met, so no action was taken.

XII.) System Performance:

All System Performance criteria were met, so no action was necessary.

XIII.) Overall Assessment of Data/General:

All results for 4-nitroquinoline-1-oxide in this SDG were rejected due to low response factors. All non-detect results for cyclophosphamide, benzoic acid and famphur were rejected in associated samples due to low response factors. All other laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

Compu Chem - 004SB Organics

SAMPLES: 523EB00202, 523DB00202

SEMIVOLATILE ORGANICS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) GC/MS Tuning:

All GC/MS Tuning criteria were met, so no action was necessary.

III.) Calibration:

Initial Calibration:

The Average Relative Response Factor (RRF) for cyclophosphamide (0.019) was below the 0.050 QC limit for the initial calibration run on 3/03/95 on instrument OWA08. The results for this compound in the associated samples (all samples for this SDG), which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviation (%RSD) of famphur (167%) exceeded the 30% QC limit for the initial calibration run on 3/03/95 on instrument OWA08. There were no positive results for this compound in the associated samples. No action was required.

Continuing Calibration:

The Relative Response Factor (RRF) for 4-nitroquinoline-1-oxide (0.026) was below the 0.050 QC limit for the continuing calibration run on 4/07/95 at 11:24 on instrument OWA08. The results for this compound in associated samples 523EB00202 and 523DB00202, which consisted entirely of non-detects, were rejected (R).

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 4/07/95 at 11:24 on instrument OWA08:

cyclophosphamide	275%
4-nitroquinoline-1-oxide	61.6%
n-nitrosodimethylamine	33.0%
pyridine	25.2%
methyl methanesulfonate	27.7%
bis(2-chloroethyl)ether	28.4%
benzoic acid	51.1%
napthalene	67.4%
2,4-dinitrophenol	34.2%
4-nitrophenol	32.6%
chlorobenzilate	25.5%
famphur	83.1%

The results for cyclophosphamide and 4-nitroquinoline-1-oxide in the associated samples were previously rejected. The results for the other compounds in associated samples 523EB00202 and 523DB00202, which consisted entirely of non-detects, were flagged as estimated (UJ).

IV.) Blanks:

Method Blanks:

All Method Blank criteria were met. No action was required.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met, No action was required.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

There were no MS / MSD analyses for this SDG. No action was necessary.

VII.) Field Duplicates:

There were no field duplicate samples for this SDG. No action was necessary.

VIII.) Internal Standards Performance:

All Internal Standards Performance criteria were met. No action was required.

IX.) TCL Compound Identification:

All TCL Compound Identification criteria were met, so no action was required.

X.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL's):

All CRQL criteria were met, so no action was required.

XI.) Tentatively Identified Compounds (TIC's):

All TIC criteria were met, so no action was taken.

XII.) System Performance:

All System Performance criteria were met, so no action was necessary.

XIII.) Overall Assessment of Data/General:

All results for cyclophosphamide and 4-nitroquinoline-1-oxide were rejected due to low RRF's. All other laboratory data were acceptable with qualification.

VALIDATA

Chemical Services, Inc.

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DATA VALIDATION SUMMARY REPORT

COMPANY:	Ensafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
PROJECT NUMBER:	8500.014
CONTRACTED LAB:	CompuChem Environmental Corporation
QA/QC LEVEL:	Level III
EPA SOW/METHOD:	EPA 1990 SOW
VALIDATION GUIDELINES:	*USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review,* 1994
SAMPLE MATRICES:	Water and Soils
TYPES OF ANALYSES:	Volatile Organics (VOA)

SDG NUMBERS: 0021V, 0022V, 0022VB

SAMPLES:

SDG: 0021V

Client Sample #:	Lab Sample #:	Matrix	VOA
GDCCB04501	736437	Soil	X
518CB00601	736702	Soil	X
GDCSB03801	737120	Soil	X
GDCSB03802	737155	Soil	X
GDCSB03802MS	737155MS	Soil	X
GDCSB03802MSD	737155MSD	Soil	X

C = FIELD DUPLICATE, MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

SDG: 0022V

Client Sample #:	Lab Sample #:	Matrix	VOA
GDCSB03901	737198	Soil	X
GDCBS03902	737239	Soil	X
GDCSB04001	737245	Soil	X
GDCSB03901MS	737198MS	Soil	X
GDCSB03901MSD	737198MSD	Soil	X

MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

SDG: 0022VB

Client Sample #:	Lab Sample #:	Matrix	VOA
GDCTB03801	737250	Water	X

T = TRIP BLANK

DATA REVIEWER(S): Amy L. Hogan, Marvin L. Smith

RELEASE SIGNATURE:

Data Qualifier Definitions

J	-	The association numerical value is an estimated quantity.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

CompuChem Enviromental Corp. - 0021V Volatile Organics

SAMPLES: GDCCB04501, 518CB00601, GDCSB03801, GDCSB03802, GDCSB03802MS, GDCSB03802MSD

VOLATILE ORGANICS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) GC/MS Tuning:

All GC/MS Tuning criteria were met, so no action was necessary.

III.) Calibration:

Initial Calibration:

The Average Relative Response Factors (RRF's) forthe following compounds were below the 0.050 QC limit for the initial calibration run on 6/29/95 on instrument OWA13:

isobutyl alcohol	0.004
1,4-dioxane	0.000
crotonaldehyde	0.008

The results for these compounds in associated samples GDCSB03801, GDCSB03802, GDCCB04501 and 518CB00601, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) of the following compounds exceeded the 30% QC limit for the initial calibration run on 6/29/95 on instrument OWA13:

2-butanone	35.6%
isobutyl alcohol	36.9%
1,4-dioxane	62.0%
acrolein	42.5%

The results for isobutyl alcohol and 1,4-dioxane in the associated samples were previously rejected due to low RRF's. The results for the other compounds consisted entirely of non-detects in the associated samples. No further action was required.

Data Qualifier Definitions:

J	-	The associated numerical value is an estimated quantity.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

CompuChem - 0004S Organics

SAMPLES: 047SB00101, 047SB00102, 047SB00201, 517SB00101, 517SB00102, 517SB00201, 517SB00202, 517CB00202, 517SB00301, 517SB00302, 517SB00401, 517SB00402, 517SB00501, 517SB00502, 518SB00401, 518SB00401MS, 518SB00401MSD, 523SB00101, 523SB00102, 523SB00201, 523SB00202, 523CB00202

SEMIVOLATILE ORGANICS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) GC/MS Tuning:

All GC/MS Tuning criteria were met, so no action was necessary.

III.) Calibration:

Initial Calibration:

The Average Relative Response Factor (RRF) for cyclophosphamide (0.014) was below the 0.050 QC limit for the initial calibration run on 4/11/95 on instrument OWA05. The results for this compound in associated samples 517SB00402, 517SB00501, 517SB00502, 517SB00301, 517SB00302, 517CB00202, 517SB00101 and 517SB00102, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) of the following compounds exceeded the 30% QC limit for the initial calibration run on 4/11/95 on instrument OWA05:

benzoic acid	66.1%
n-nitrosopyrrolidine	38.1%
famphur	64.3%

There were no positive results for these compounds in the associated samples. No action was required.

The Average Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the initial calibration run on 4/20/95 on instrument OWA05:

4-nitroquinoline-1-oxide	0.033
cyclophosphamide	0.025

The results for these compounds in associated samples 047SB00101, 047SB00102, 047SB00201, 523SB00202, 523SB00101, 523SB00201, 523SB00102, 523CB00202, 518SB00401, 517SB00401, 517SB00201 and 517SB00202, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviation (%RSD) of famphur (121%) exceeded the 30% QC limit for the initial calibration run on 4/20/95 on instrument OWA05. There were no positive results for this compound in the associated samples. No action was required.

Continuing Calibration:

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 4/18/95 at 16:59 on instrument OWA05:

benzal chloride	0.030
4-nitroquinoline-1-oxide	0.015
cyclophosphamide	0.015
famphur	0.015

The results for cyclophosphamide were previously rejected. The results for the other compounds in associated samples 517SB00402, 517SB00501, 517SB00502, 517SB00301, 517SB00302, 517CB00202, 517SB00101 and 517SB00102, which consisted entirely of non-detects, were rejected (R).

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 4/18/95 at 16:59 on instrument OWA05:

benzoic acid	38.2%
benzal chloride	95.9%
methyl methane sulfonate	51.0%
2-nitroaniline	41.3%
4-nitrophenol	49.6%
1,2-diphenylhydrazine	44.9%
famphur	90.3%

The results for benzal chloride and famphur in the associated samples were previously rejected. The results for the other compounds in the associated samples, which consisted entirely of non-detects, were flagged as estimated (UJ).

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 4/21/95 at 03:35 on instrument OWA05:

4-nitroquinoline-1-oxide	0.036
cyclophosphamide	0.026
famphur	0.013

The results for famphur in associated samples 047SB00101, 047SB00102, 047SB00201, 523SB00202, 523SB00101, 523SB00201, 523SB00102, 523CB00202, 518SB00401, 517SB00401 and 517SB00201, which consisted entirely of non-detects, were rejected (R). The results for the other compounds were previously rejected.

The Percent Difference (%D) of famphur (74.5%) exceeded the 25% QC limit for the continuing calibration run on 4/21/95 at 03:35 on instrument OWA05. The results for this compound in the associated samples were previously rejected. No further action was required.

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 4/22/95 at 07:39 on instrument OWA05:

4-nitroquinoline-1-oxide	0.016
cyclophosphamide	0.027
famphur	0.045

The results for famphur in associated sample 517SB00202, which consisted of a non-detect, was rejected (R). The results for the other compounds were previously rejected.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 4/22/95 at 07:39 on instrument OWA05:

4-nitroquinoline-1-oxide	50.6%
methapyrilene	41.7%

The result for 4-nitroquinoline-1-oxide was previously rejected (R). The non-detect result for methapyrilene in associated sample 517SB00202 was flagged as estimated (UJ).

IV.) Blanks:

Method Blanks:

There were no positive detections in the method blanks. No action was required.

Field Blanks:

There were no positive detections in associated blanks 523EB00202 and 523DB00202. No action was required.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No action was required.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

All MS / MSD criteria were met. No action was necessary.

VII.) Field Duplicates:

The Relative Percent Difference (RPD) of di-n-butylphthalate (61%) exceeded the 60% QC limit for field duplicate samples 517SB00202 and 517CB00202. The positive results for this compound in these two samples were flagged as estimated (J).

There were no calcuable RPD's for field duplicate samples 523SB00202 and 523CB00202. No action was required.

VIII.) Internal Standards Performance:

All Internal Standards Performance criteria were met. No action was required.

IX.) TCL Compound Identification:

All TCL criteria were met. No action was required.

X.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL's):

All CRQL criteria were met, so no action was required.

XI.) Tentatively Identified Compounds (TIC's):

All TIC criteria were met, so no action was taken.

XII.) System Performance:

All System Performance criteria were met, so no action was necessary.

XIII.) Overall Assessment of Data/General:

All results for cyclophosphamide, 4-nitroquinoline-1-oxide and famphur in this SDG were rejected due to low relative response factors. The non-detect results for the benzal chloride were rejected in associated samples 517SB00402, 517SB00501, 517SB0052, 517SB00301, 517SB00302, 517CB00302, 517SB00101 and 517SB00102 due to a low relative response factor. All other laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

CompuChem - 0005S Organics

SAMPLES: 516SB00101, 516SB00102, 516SB00201, 516SB00202, 518SB00101, 518SB00102, 518SB00201, 518SB00202, 518SB00301, 518SB00302, 518CB00401, 518CB00401MS, 518CB00401MSD, 518SB00402, 518SB00501, 518SB00502, 520SB00101, 520SB00102, 520SB00201, 520SB00202, 520SB00301, 520SB00302

SEMIVOLATILE ORGANICS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) GC/MS Tuning:

All GC/MS Tuning criteria were met, so no action was necessary.

III.) Calibration:

Initial Calibration:

The Average Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the initial calibration run on 4/20/95 on instrument OWA05:

4-nitroquinoline-1-oxide	0.033
cyclophosphamide	0.025

The results for these compounds in associated samples 520SB00101, 520SB00102, 520SB00201, 520SB00202, 520SB00301 and 520SB00302, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviation (%RSD) of famphur (121%) exceeded the 30% QC limit for the initial calibration run on 4/20/95 on instrument OWA05. There were no positive results for this compound in the associated samples. No action was necessary.

The Average Relative Response Factor (RRF) for cyclophosphamide (0.019) was below the 0.050 QC limit for the initial calibration run on 3/30/95 on instrument OWA08. The results for this compound in associated samples 518CB00401, 518SB00201, 518SB00202, 518SB00501, 518SB00502, 518SB00402, 518SB00301, 518SB00302, 518SB00101, 518SB00102, 516SB00101, 516SB00102, 516SB00201 and 516SB00202, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) of famphur (167%) exceeded the 30% QC limit for the initial calibration run on 3/30/95 on instrument OWA08. There were no positive results for this compound in the associated samples. No action was required.

Continuing Calibration:

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 4/22/95 at 07:39 on instrument OWA05:

4-nitroquinoline-1-oxide	0.016
cyclophosphamide	0.027
famphur	0.045

The results for famphur in associated samples 520SB00101, 520SB00102, 520SB00201, 520SB00202, 520SB00301 and 520SB00302, which consisted entirely of non-detects, were rejected (R). The results for the other compounds were previously rejected.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 4/22/95 at 07:39 on instrument OWA05:

4-nitroquinoline-1-oxide	50.6%
methapyrilene	41.7%

The results for 4-nitroquinoline-1-oxide were previously rejected (R). The non-detect results for the other compound in the associated samples were flagged as estimated (UJ).

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 4/22/95 at 09:58 on instrument OWA08:

cyclophosphamide	0.019
famphur	0.018

The results for famphur in associated samples 518CB00401,M 518SB00201, 518SB00202, 518SB00501, 518SB00502, 518SB00402, 518SB00301, 518SB00302, 518SB00101, 518SB00102, 516SB00101, 516SB00102, 516SB00201 and 516SB00202, which consisted entirely of non-detects, were rejected (R). The results for the other compound were previously rejected.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 4/22/95 at 09:58 on instrument OWA08:

famphur	72.9%
phenacetin	32.0%
dimethoate	27.9%
pronamide	30.0%

The results for famphur were previously rejected. The results for the other compounds in the associated samples, which consisted entirely of non-detects, were flagged as estimated (UJ).

IV.) Blanks:

Method Blanks:

All Method Blank criteria were met. No action was required.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No action was required.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

All MS / MSD criteria were met. No action was necessary.

VII.) Field Duplicates:

There were no calcuable Relative Percent Differences (RPD's) for field duplicate samples 518CB00401 and 518SB00401 (analyzed in SDG 0004S). No action was required.

There were no calcuable RPD's for field duplicate samples 520SB00302 and 520CB00302 (analyzed in SDG 0006S). No action was necessary.

VIII.) Internal Standards Performance:

All Internal Standards Performance criteria were met. No action was required.

IX.) TCL Compound Identification:

All TCL criteria were met. No action was required.

X.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL's):

All CRQL criteria were met, so no action was required.

XI.) Tentatively Identified Compounds (TIC's):

All TIC criteria were met., so no action was taken.

XII.) System Performance:

All System Performance criteria were met, so no action was necessary.

XIII.) Overall Assessment of Data/General:

All results for cyclophosphamide and famphur in this SDG were rejected due to low response factors. Non-detect results for 4-nitroquinoline-1-oxide were also rejected in associated samples 520SB00101, 520SB00102, 520SB00201, 520SB00202, 520SB00301 and 520SB00302.

The results for benzo(b)fluoranthene and benzo(k)fluoranthene in samples 516SB00101, 518SB00201 and 518SB00301 were flagged as estimated (J) by the laboratory. The laboratory stated that they were unable distinguish between the coeluting isomers. In response, they took the maximum value and divided it between the two compounds, and flagged each one as estimated. No judgement was made by the validator regarding this flagging. All other laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

OmpuChem - 0006S Organics

SAMPLES: 513SB00101, 513SB00102, 513SB00201, 513SB00202, 513SB00202MS, 513SB00202MSD, 513SB00301, 513SB00302, 520WB00402, 520SB00501, 520SB00502, 520SB00601, 520SB00602, 13SB00401, 513SB00402, 513SB00501, 513SB00502, 513SB00601, 520CB00302, 520SB00401, GRDCB01301, GRDCB02302

SEMIVOLATILE ORGANICS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) GC/MS Tuning:

All GC/MS Tuning criteria were met, so no action was necessary.

III.) Calibration:

Initial Calibration:

The Average Relative Response Factor (RRF) for cyclophosphamide (0.021) was below the 0.050 QC limit for the initial calibration run on 4/20/95 on instrument OWA04. The results for this compound in associated samples GRDCB01301 and GRDCB02302, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) of the following compounds exceeded the 30% QC limit for the initial calibration run on 4/20/95 on instrument OWA04:

benzoic acid	39.0%
n-nitrosopyrrolidine	43.8%
famphur	123%

There were no positive results for these compounds in the associated samples. No action was required.

The Average Relative Response Factor (RRF) for cyclophosphamide (0.014) was below the 0.050 QC limit for the initial calibration run on 4/11/95 on instrument OWA05. The results for this compound in associated samples 520SB00402, 520SB00501, 520SB00601, 520SB00602, 520SB00401 and 520SB00502, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) of the following compounds exceeded the 30% QC limit for the initial calibration run on 4/11/95 on instrument OWA05:

n-nitrosopyrrolidine	38.9%
benzoic acid	66.1%
famphur	64.3%

There were no positive results for these compounds in the associated samples. No action was required.

The Average Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the initial calibration run on 4/20/95 on instrument OWA05:

4-nitroquinoline-1-oxide	0.033
cyclophosphamide	0.025

The results for these compounds in associated sample 520CB00302, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviation (%RSD) of famphur (121%) exceeded the 30% QC limit for the initial calibration run on 4/20/95 on instrument OWA05. There were no positive results for this compound in the associated samples. No action was required.

The Average Relative Response Factor (RRF) for 4-nitroquinoline-1-oxide (0.038) was below the 0.050 QC limit for the initial calibration run on 4/25/95 on instrument OWA05. The results for this compound in associated samples 513SB00202, 513SB00102, 513SB00201, 513SB00301, 513SB00302, 513SB00401, 513SB00402, 513SB00501, 513SB00601, 513SB00101 and 513SB00502, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) of the following compounds exceeded the 30% QC limit for the initial calibration run on 4/25/95 on instrument OWA05:

benzoic acid	33.0%
famphur	112%

There were no positive results for these compounds in the associated samples. No action was necessary.

Continuing Calibration:

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 4/25/95 at 00:59 on instrument OWA04:

4-nitroquinoline-1-oxide	52.7%
cyclophosphamide	111%
pyridine	28.5%
n-nitrosopyrrolidine	36.6%

The results for pyridine and n-nitrosopyrrolidine in the associated samples GRDCB02302 and GRDCB01301, which consisted entirely of non-detects, were flagged as estimated (UJ). The results for the other compounds were previously rejected.

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 4/13/95 at 08:05 on instrument OWA05:

4-nitroquinoline-1-oxide	0.047
cyclophosphamide	0.014

The results for 4-nitroquinoline-1-oxide in associated samples 520SB00402, 520SB00501, 520SB00601 and 520SB00602, which consisted entirely of non-detects, were rejected (R). The results for the other compound were previously rejected.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 4/13/95 at 08:05 on instrument OWA05:

n-nitrosopyrrolidine	34.4%
benzoic acid	37.8%

The results for these compounds in the associated samples 520SB00402, 520SB00501, 520SB00601 and 520SB00602, which consisted entirely of non-detects, were flagged as estimated (UJ).

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 4/17/95 at 09:05 on instrument OWA05:

benzal chloride	0.032
4-nitroquinoline-1-oxide	0.014
cyclophosphamide	0.016
famphur	0.015

The results for cyclophosphamide in the associated samples were previously rejected. The results for the other compounds in associated samples 520SB00401 and 520SB00502, which consisted entirely of non-detects, were rejected (R).

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 4/17/95 at 09:05 on instrument OWA05:

benzal chloride	95.7%
4-nitroquinoline-1-oxide	74.4%
famphur	89.9%
n-nitrosodimethylamine	34.6%
benzyl alcohol	29.9%
n-nitrosopyrrolidine	34.9%
benzoic acid	25.4%
diallate	65.9%
dibenz(a,h)acridine	75.6%

The results for benzal chloride, 4-nitroquinoline-1-oxide and famphur in the associated samples were previously rejected. The results for the other compounds in associated samples 520SB00401 and 520SB00502, which consisted entirely of non-detects, were flagged as estimated (UJ).

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 4/22/95 at 20:28 on instrument OWA05:

benzal chloride	0.032
benzoic acid	0.012
4-nitroquinoline-1-oxide	0.017
cyclophosphamide	0.030
aramite	0.035
famphur	0.033

The results for 4-nitroquinoline-1-oxide and cyclophosphamide in associated sample 520CB00302 were previously rejected. The results for the other compounds in the associated sample, which consisted entirely of non-detects, were rejected (R).

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 4/22/95 at 20:28 on instrument OWA05:

benzal chloride	95.0%
benzoic acid	92.7%
4-nitroquinoline-1-oxide	49.2%
aramite	72.0%
famphur	34.1%
2-methylnapthalene	41.7%
1-methylnapthalene	85.9%
5-nitro-o-toluidine	26.0%

The results for 2-methylnapthalene, 1-methylnapthalene and 5-nitro-o-toluidine in associated sample 520CB00302, which consisted entirely of non-detects, were flagged as estimated (UJ). The results for the other compounds in the associated sample were previously rejected.

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 4/25/95 at 22:53 on instrument OWA05:

4-nitroquinoine-1-oxide	0.042
famphur	0.034

The results for these compounds in the associated samples were previously rejected. No further action was required.

The Percent Difference (%D) of famphur (61.8%) exceeded the 25% QC limit for the continuing calibration run on 4/25/95 at 22:53 on instrument OWA05. The results for this compound in the associated samples were previously rejected. No further action was required.

IV.) Blanks:

Method Blanks:

Di-n-butylphthalate and methapyrilene were detected at 35 ug/kg and 52 ug/kg in soil blank SVBLK25. There were no positive results for these compounds in associated samples GRDCB02302 and GRDCB01301. No data qualification was required.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met, No action was required.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

All MS / MSD criteria were met. No action was necessary.

VII.) Field Duplicates:

There were no calcuable Relative Percent Differences (RPD's) for field duplicate samples 520CB00302 and 520SB00302 (analyzed in SDG 0005S). No action was required.

The Field duplicate samples for GRDCB01301 and GRDCB02302 were not found in the reviewed SDGs. No action was necessary.

There were no calcuable Relative Percent Differences (RPD's) for field duplicate samples 513SB00202 and 513CB00202, which was analyzed in SDG 0010S. No action was required.

VIII.) Internal Standards Performance:

All Internal Standards Performance criteria were met. No action was required.

IX.) TCL Compound Identification:

All TCL Compound Identification criteria were met, so no action was required.

X.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL's):

All CRQL criteria were met, so no action was required.

XI.) Tentatively Identified Compounds (TIC's):

All TIC criteria were met, so no action was taken.

XII.) System Performance:

All System Performance criteria were met, so no action was necessary.

XIII.) Overall Assessment of Data/General:

All results for 4-nitroquinoline-1-oxide and cyclophosphamide were rejected due to low RRF's. The results for benzo(b)fluoranthene and benzo(k)fluoranthene in samples 513SB00301, 513SB00601 and GRDCB01301 were flagged as estimated (J) by the laboratory.

The laboratory stated that they were unable distinguish between the coeluting isomers. In response, they took the maximum value and divided it between the two compounds, and flagged each one as estimated. No judgement was made by the validator regarding this flagging. All other laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

CompuChem - 0007S Organics

SAMPLES: 044W001401, 044W001601, 044W001801, 044W001901, 044W001901MS, 044W001901MSD, 044R001901, 044W002001, 044W002101, 044W002201

SEMIVOLATILE ORGANICS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) GC/MS Tuning:

All GC/MS Tuning criteria were met, so no action was necessary.

III.) Calibration:

Initial Calibration:

The Average Relative Response Factor (RRF) for 4-nitroquinoline-1-oxide (0.029) was below the 0.050 QC limit for the initial calibration run on 4/13/95 on instrument OWA04. The results for this compound in associated samples 044W001901, 044R001901 and 044W002101, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) of the following compounds exceeded the 30% QC limit for the initial calibration run on 4/13/95 on instrument OWA04:

benzoic acid	35.2%
n-nitrosopyrrolidine	36.7%
famphur	131%
4-nitroquinoline-1-oxide	47.6%

The results for 4-nitroquinoline-1-oxide in the associated samples were previously rejected. There were no positive results for the other compounds in the associated samples. No action was required.

The Average Relative Response Factor (RRF) for cyclophosphamide (0.021) was below the 0.050 QC limit for the initial calibration run on 4/20/95 on instrument OWA04. The results for this compound in associated samples 044W001801 and 044W002001, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) of the following compounds exceeded the 30% QC limit for the initial calibration run on 4/20/95 on instrument OWA04:

n-nitrosopyrrolidine	43.8%
benzoic acid	39.0%
famphur	123%

There were no positive results for these compounds in the associated samples. No action was required.

The Average Relative Response Factor (RRF) for cyclophosphamide (0.019) was below the 0.050 QC limit for the initial calibration run on 3/03/95 on instrument OWA08. The results for this compound in associated samples 044W001401, 044W001601 and 044W002201, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviation (%RSD) of famphur (167%) exceeded the 30% QC limit for the initial calibration run on 3/03/95 run on instrument OWA08. There were no positive results for this compounds in the associated samples. No action was required.

Continuing Calibration:

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 4/19/95 at 14:49 on instrument OWA04:

4-nitroquinoline-1-oxide	0.049
famphur	0.039

The results for 4-nitroquinoline-1-oxide were previously rejected. The results for famphur in associated samples 044W001901, 044R001901 and 044W002101, which consisted entirely of non-detects, were rejected (R).

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 4/19/95 at 14:49 on instrument OWA04:

n-nitrosodimethylamine	37.0%
paraldehyde	25.0%
hexachlorocyclopentadiene	32.6%
4-nitroquinoline-1-oxide	70.6%
methapyrilene	30.8%
cyclophosphamide	36.9%
famphur	51.8%
bis(2-ethylhexyl)phthalate	31.2%

The results for 4-nitroquinoline-1-oxide and famphur in the associated samples were previously rejected. The results for the other compounds in associated samples 44W001901, 044R001901 and 044W002101, which consisted entirely of non-detects, were flagged as estimated (UJ).

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 4/22/95 at 04:35 on instrument OWA04:

cyclophosphamide	0.030
famphur	0.039

The results for famphur in associated samples 044W001801 and 044W002001, which consisted entirely of non-detects, were rejected (R). The results for the other compound were previously rejected.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration on 4/22/95 at 04:35 on instrument OWA04:

hexachloropropene	25.9%
hexachlorocyclopentadiene	25.5%
cyclophosphamide	45.9%
famphur	59.0%

The results for cyclophosphamide and famphur in the associated samples were previously rejected. The results for the other compounds in associated samples 044W001801 and 044W002001, which consisted entirely of non-detects, were flagged as estimated (UJ).

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 4/26/95 at 21:53 on instrument OWA08:

4-nitroquinoline-1-oxide	0.043
cyclophosphamide	0.046

The results for 4-nitroquinoline-1-oxide in associated samples 044W001401, 044W001601 and 044W002201, which consisted entirely of non-detects, were rejected (R). The results for the other compound were previously rejected.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 4/26/95 at 21:53 on instrument OWA08:

4-nitroquinoline-1-oxide	35.9%
benzoic acid	74.4%
cyclophosphamide	143%
2-napthylamine	30.5%
phenacetin	32.2%
dimethoate	28.8%
pronamide	34.7%
famphur	287%

The results for 4-nitroquinoline-1-oxide and cyclophosphamide were previously rejected (R). The results for the other compounds in associated samples 044W001401, 044W001601 and 044W002201, which consisted entirely of non-detects, were flagged as estimated (UJ).

IV.) Blanks:

Method Blanks:

Diethylphthalate and di-n-butylphthalate were detected at 1 ug/L and 2 ug/L, respectively, in water blank SBLK92. All positive results for these compounds in associated samples 044W001801 and 044W002001 less than 10X the blank amount were flagged as undetected (U) with the reported laboratory result being replaced with the CRQL.

V.) Surrogate Recoveries:

The Percent Recoveries (%R's) of nitrobenzene-d5 (30%) and 2-fluorobiphenyl (29%) were below their 35-114% and 43-116% QC limits, respectively, in sample 044R001901. All positive and non-detect results for the base neutral compounds in this sample were flagged as estimated (J) and (UJ).

The Percent Recovery (%R) of 2-fluorobiphenyl (34%) was below the 43-116% QC limits for sample 044W001901. Since only one surrogate failed, no action was required.

The Percent Recovery (%R) of 2-fluorobiphenyl (31%) was below the 43-116% QC limits for sample 044W002101. Since only one surrogate failed, no action was required.

VI.) Matrix Spike/Matrix Spike Duplicate (MS / MSD):

The Percent Recoveries (%R's) of n-nitroso-di-n-propylamide in spiked samples 044W001901MS (38%) and 044W001901MSD (32%) were below the 41-116% QC limits. The non-detect result for this compound in associated sample 044W001901 was flagged as estimated (UJ).

The Percent Recovery (%R) of acenapthene in sample 044W001901MSD (37%) was below the 46-118% QC limits. The non-detect result for this compound in associated sample 044W001901 was flagged as estimated (UJ).

VII.) Field Duplicates:

There were no calculable Relative Percent Differences (RPD's) for field duplicate samples 044W001901 and 044R001901. No action was required.

VIII.) Internal Standards Performance:

All Internal Standards Performance criteria were met. No action was required.

IX.) TCL Compound Identification:

All TCL criteria were met. No action was required.

X.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL's):

All CRQL criteria were met, so no action was required.

XI.) Tentatively Identified Compounds (TIC's):

All TIC criteria were met., so no action was taken.

XII.) System Performance:

All System Performance criteria were met, so no action was necessary.

XIII.) Overall Assessment of Data/General:

All results for 4-nitroquinoline-1-oxide in this SDG were rejected due to low relative response factors (RRF's). Non-detect results for famphur, cyclophosphamide and bis(2-ethylhexyl)phthalate were also rejected in the associated samples due to low RRF's. All other laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

CompuChem - 010SB Organics

SAMPLES: GRDEB01701 GRDDB01701

SEMIVOLATILE ORGANICS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) GC/MS Tuning:

All GC/MS Tuning criteria were met, so no action was necessary.

III.) Calibration:

Initial Calibration:

The Average Relative Response Factor (RRF) for 4-nitroquinoline-1-oxide (0.029) was below the 0.050 QC limit for the initial calibration run on 4/13/95 on instrument OWA04. The results for this compound in associated samples GRDEB01701 and GRDDB01701, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) of the following compounds exceeded the 30% QC limit for the initial calibration run on 4/13/95 on instrument OWA04:

benzoic acid	35.2%
n-nitrosopyrrolidine	36.7%
famphur	131%
4-nitroquinoline-1-oxide	47.6%

The results for 4-nitroquinoline-1-oxide in the associated samples were previously rejected. There were no positive results for the other compounds in the associated samples. No action was required.

Continuing Calibration:

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 4/18/95 at 12:37 on instrument OWA04:

4-nitroquinoline-1-oxide	0.019
benzoic acid	0.032

The results for 4-nitroquinoline-1-oxide were previously rejected. The results for benzoic acid in associated samples GRDEB01701 and GRDDB01701, which consisted entirely of non-detects, were rejected (R).

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 4/18/95 at 12:37 on instrument OWA04:

benzoic acid	60.0%
4-nitroquinoline-1-oxide	35.8%
dibenz(a,j)acridine	25.1%

The results for 4-nitroquinoline-1-oxide and benzoic acid in the associated samples were previosly rejected. The results for the other compound in associated samples GRDEB01701 and GRDDB01701, which consisted entirely of non-detects, were flagged as estimated (UJ).

IV.) Blanks:

Method Blanks:

All Method Blank criteria were met. No action was required.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No action was necessary.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

There were no MS / MSD analysis requested for this SDG. No action was necessary.

VII.) Field Duplicates:

There were no field duplicate samples for this SDG. No action was required.

VIII.) Internal Standards Performance:

All Internal Standards Performance criteria were met. No action was required.

IX.) TCL Compound Identification:

All TCL criteria were met. No action was required.

X.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL's):

All CRQL criteria were met, so no action was required.

XI.) Tentatively Identified Compounds (TIC's):

All TIC criteria were met, so no action was taken.

XII.) System Performance:

All System Performance criteria were met, so no action was necessary.

XIII.) Overall Assessment of Data/General:

All results for 4-nitroquinoline-1-oxide and benzoic acid in this SDG were rejected due to low relative response factors. All other laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

CompuChem - 0010S Organics

SAMPLES: 047SB00301, 047SB00302, 047SB00401, 047CB00401, 047SB00402, 047SB00801, 047SB00802, 047SB01101, 047SB01102, 047SB01201, 047SB01201MS, 047SB01201MSD, 047SB01202, 047SB01301, 047SB01302, 047SB01501, 047SB01502, 513CB00202, 513SB00602, GRDSB00701, GRDCB01701, GRDCB03502

SEMIVOLATILE ORGANICS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) GC/MS Tuning:

All GC/MS Tuning criteria were met, so no action was necessary.

III.) Calibration:

Initial Calibration:

The Average Relative Response Factor (RRF) for cyclophosphamide (0.021) was below the 0.050 QC limit for the initial calibration run on 4/20/95 on instrument OWA04. The results for this compound in all samples for this SDG, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) of the following compounds exceeded the 30% QC limit for the initial calibration run on 4/20/95 on instrument OWA04:

n-nitrosopyrrolidine	43.8%
benzoic acid	39.0%
famphur	123%

There were no positive results for these compounds in the associated samples. No action was required.

Continuing Calibration:

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 4/22/95 at 04:35 on instrument OWA04:

cyclophosphamide	0.030
famphur	0.039

The results for famphur in associated samples GRDCB03502, GRDCB01701 and 513SB00602, which consisted entirely of non-detects, were rejected (R). The results for cyclophosphamide were previously rejected. No further action was required.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration on 4/22/95 at 04:35 on instrument OWA04:

hexachloropropene	25.9%
hexachlorocyclopentadiene	25.5%
cyclophosphamide	45.9%
famphur	59.0%

The results for cyclophosphamide and famphur in the associated samples were previously rejected. The results for the other compounds in associated samples GRDCB03502, GRDCB01701 and 513SB00602, which consisted entirely of non-detects, were flagged as estimated (UJ).

The Relative Response Factor (RRF) for cyclophosphamide (0.038) was below the 0.050 QC limit for the continuing calibration run on 4/23/95 at 10:24 on instrument OWA04. The result for this compound in the associated sample was previously rejected. No further action was required.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 4/23/95 at 10:24 on instrument OWA04:

cyclophosphamide	86.0%
n-nitrosodimethylamine	29.0%
2-nitroaniline	25.5%
4-nitrophenol	35.0%
methapyrilene	34.4%

The results for cyclophosphamide were previously rejected (R). The results for the other compounds in associated sample 513CB00202, which consisted entirely of non-detects, were flagged as estimated (UJ).

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 4/25/95 at 15:30 on instrument OWA04:

4-nitroquinoline-1-oxide	0.030
cyclophosphamide	0.044

The results for 4-nitroquinoline-1-oxide in associated samples 047SB01201, 047SB01501, 047SB01502, 047SB0042, 047SB01101, 047SB01102, 047SB01202, 047SB00801, 047SB01301, 047SB01302, 047CB00401 and 047SB00802, which consisted entirely of non-detects, were rejected (R). The results for cyclophosphamide were previously rejected.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 4/25/95 at 15:30 on instrument OWA04:

4-nitroquinoline-1-oxide	59.2%
cyclophosphamide	112%
n-nitrosodimethylamine	30.1%
pyridine	29.6%
2,4-dinitrophenol	39.0%
4-nitrophenol	43.9%
chlorobenzilate	26.1%

The results for 4-nitroquinoline-1-oxide and cyclophosphamide were previously rejected. The results for the other compounds in associated samples 047SB01201, 047SB01501, 047SB01502, 047SB00402, 047SB01101, 047SB01102, 047SB01202, 047SB00801, 047SB01301, 047SB01302, 047CB00401 and 047SB00802, which consisted entirely of non-detects, were flagged as estimated (UJ).

The Relative Response Factor (RRF) for 4-nitroquinoline-1-oxide (0.048) was below the 0.050 QC limit for the continuing calibration run on 4/26/95 on instrument OWA04. The results for this compound in associated samples 047SB00401, 047SB00301, 047SB00302 and GRDSB00701, which consisted entirely of non-detects, were rejected (R).

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 4/26/95 on instrument OWA04:

4-nitroquinoline-1-oxide	34.2%
n-nitrosodimethylamine	87.2%
pyridine	35.2%
n-nitrosopyrrolidine	28.4%
cyclophosphamide	192%
aramite	35.8%

The results for 4-nitroquinoline-1-oxide and cyclophospamide were previously rejected. The results for the other compounds in associated samples 047SB00401, 047SB00301, 047SB00302 and GRDSB00701, which consisted entirely of non-detects, were flagged as estimated (UJ).

IV.) Blanks:

Method Blanks:

Di-n-butylphthalate was detected at 83 ug/kg in soil blank SBLK70. The positive result for this compound in associated sample GRDSB00701, which was less than 10X the blank amount, was flagged as undetected (U) with the detection limit being raised to the level of contamination in the sample.

Methapyrilene was detected at 87 ug/kg in soil blank SBLK69. The positive result for this compound in associated sample 047SB00401, which was less than 10X the blank amount, was flagged as undetected with the detection limit being raised to the level of contamination in the sample. There were no positive results for this compound in the other associated samples.

Di-n-butylphthalate was detected at 100 ug/kg in soil blank SBLK91. All positive results for this compound in associated samples GRDCB01701, 513SB00602, GRDCB03502 and 513CB00202 less than 10X the blank amount were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No action was required.

VI.) Matrix Spike/Matrix Spike Duplicate (MS / MSD):

The Percent Recovery (%R) of pentachlorophenol in sample 047SB01201MSD (16%) was below the 17-109% QC limits. The non-detect result for this compound in associated sample 047SB01201 was flagged as estimated (UJ).

The Relative Percent Differences (RPD's) of the following compounds exceeded their respective QC limits for samples 047SB01201MS and 047SB01201MSD:

Compound	RPD	QC Limit
1,2,4-trichlorobenzene	24	23
acenapthene	31	19
pyrene	39	36

The non-detect results for these compounds in associated sample 047SB01201 were flagged as estimated (UJ).

VII.) Field Duplicates:

There were no calculable Relative Percent Differences (RPD's) for field duplicate samples 047SB00401 and 047CB00401. No action was required.

There were no calculable RPD's for field duplicate samples 513CB00202 and 513SB00202 (analyzed in SDG 0006S). No action was required.

The field duplicates for samples GRDCB01701 and GRDCB03502 were not found in the reviewed SDGs. No action was taken.

VIII.) Internal Standards Performance:

All Internal Standards Performance criteria were met. No action was required.

IX.) TCL Compound Identification:

All TCL criteria were met. No action was required.

X.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL's):

All CRQL criteria were met, so no action was required.

XI.) Tentatively Identified Compounds (TIC's):

All TIC criteria were met, so no action was taken.

XII.) System Performance:

All System Performance criteria were met, so no action was necessary.

XIII.) Overall Assessment of Data/General:

All results for cyclophosphamide in this SDG were rejected due to low relative response factors. In addition, the non-detect results for famphur and 4-nitroquinoline-1-oxide were flagged in associated samples due to low RRF's.

The results for benzo(b)fluoranthene and benzo(k)fluoranthene in samples 047SB00801, 047SB01101, 047SB01201, 047SB01201MS, 047SB01201MSD and GRDCB03502 were flagged as estimated (J) by the laboratory. The laboratory stated that they were unable distinguish between the coeluting isomers. In response, they took the maximum value and divided it between the two compounds, and flagged each one as estimated. No judgement was made by the validator regarding this flagging. All other laboratory data were acceptable with qualification.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422, Norcross, Ga. 30093

DATA VALIDATION SUMMARY REPORT

COMPANY:	Ensafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone F C
PROJECT NUMBER:	8500.014
CONTRACTED LAB:	CompuChem Environmental Corporation
QA/QC LEVEL:	Level III
EPA SOW/METHOD:	EPA 1990 SOW
VALIDATION GUIDELINES:	*National Functional Guidelines for Organic Data Review,* 1994; *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review*, 1994
SAMPLE MATRIX:	Soil
TYPES OF ANALYSES:	Semivolatile Organics (SVOA)
SDG NUMBERS:	011SI, 0021S

SAMPLES:

SDG: 011SI

Client Sample #:	Lab Sample #:	Matrix	SVOA
681SB00501	735147	Soil	X
688N000201	734946	Soil	X
681SB00501MS	734947MS	Soil	X
681SB00501MSD	734948MSD	Soil	X

N - FIELD DUPLICATE, MS= MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

SDG: 0021S

Client Sample #:	Lab Sample #:	Matrix	SVOA
508SB00701	736390	Soil	X
508SB00801	736397	Soil	X
508SB00901	736400	Soil	X
512SB00701	736791	Soil	X

Client Sample #:	Lab Sample #:	Matrix	SVOA
512SB00801	736792	Soil	X
512SB00901	736793	Soil	X
518CB00601	736677	Soil	X
518SB00701	736719	Soil	X
GDCCB04501	736410	Soil	X
GDCSB03801	737123	Soil	X
GDCSB03802	737157	Soil	X
GDCSB03801MS	736391MS	Soil	X
GDCSB03801MSD	736392MSD	Soil	X

C = FIELD DUPLICATE, MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

DATA REVIEWER(S): Amy L. Hogan, Marvin L. Smith

RELEASE SIGNATURE:

Data Qualifier Definitions

J	-	The association numerical value is an estimated quantity.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corp. - 011SI Organics

SAMPLES: 681SB00501, 681SB00501MS, 681SB00501MSD, 688N000201

SEMIVOLATILE ORGANICS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) GC/MS Tuning:

All GC/MS Tuning criteria were met, so no action was necessary.

III.) Calibration:

Initial Calibration:

The Average Relative Response Factor (RRF) for cyclophosphamide (0.022) was below the 0.050 QC limit for the initial calibration run on 7/18/95 on instrument OWA08. The non-detect results for this compound in associated samples 681SB00501 and 688N000201 were rejected (R).

The Percent Relative Standard Deviations (%RSD's) of 1,4-naphthoquinone (34.0%) and famphur (147%) exceeded the 30% QC limit for the initial calibration run on 7/18/95 on instrument OWA08. The associated non-detect results for famphur were flagged as estimated (UJ). There were no positive results for the other compound in the associated samples, so no action was required.

Continuing Calibration:

The Relative Response Factors (RRF's) for 4-nitroquinoline-1-oxide (0.044) and cyclophosphamide (0.043) were below the 0.050 QC limit for the continuing calibration run on 7/23/95 at 17:13 on instrument OWA08. The results for 4-nitroquinoline-1-oxide in associated samples 681SB00501 and 688N000201, which consisted entirely of non-detects, were rejected (R). The results for cyclophosphamide were previously rejected based on the initial calibration.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 7/23/95 at 17:13 on instrument OWA08:

4-nitroquinoline-1-oxide	26.2%
cyclophosphamide	93.5%
n-nitrosodimethylamine	28.7%

pyridine	40.8%
paraldehyde	29.7%
ethyl methacrylate	36.4%
2-picoline	26.0%
n-nitrosomethylethylamine	25.8%
n-nitrosopyrrolidine	31.8%
benzoic acid	68.4%
1,4-naphthoquinone	29.7%
methapyrilene	26.5%
bis(2-ethylhexyl)phthalate	30.8%

The results for 4-nitroquinoline-1-oxide and cyclophosphamide in the associated samples were previously rejected. The positive results for bis(2-ethylhexyl)phthalate in the associated samples were flagged as estimated (J). The results for the other compounds in associated samples 681SB00501 and 688N000201, which consisted entirely of non-detects, were flagged as estimated (UJ).

IV.) Blanks:

Method Blanks:

All Method Blank criteria were met. No action was required.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No action was required.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

The Percent Recovery (%R) of pentachlorophenol (14%) for 681SB00501MSD was below the 17-109% QC limits. The non-detect result for this compound in associated sample 681SB00501 was flagged as estimated (UJ).

VII.) Field Duplicates:

The field duplicate sample for 688N000201 was not contained in this SDG. No action was necessary.

VIII.) Internal Standards Performance:

All Internal Standards Performance criteria were met. No action was required.

IX.) TCL Compound Identification:

All TCL criteria were met. No action was required.

X.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL's):

The laboratory stated that they were unable to distinguish between the coeluting isomers. In response, they took the maximum value and divided it between the two compounds, and flagged each one as estimated. No judgement was made by the validator regarding this flagging. The reported positive detections of these compounds were flagged as estimated (J). All other CRQL criteria were met, so no further action was required.

XI.) Tentatively Identified Compounds (TIC's):

All TIC criteria were met, so no action was taken.

XII.) System Performance:

All System Performance criteria were met, so no action was necessary.

XIII.) Overall Assessment of Data/General:

The results for benzo(b)fluoranthene and benzo(k)fluoranthene in sample 688N000201 were flagged as estimated (X) by the laboratory; tese flags were changed to "J" by the validator. All results for 4-nitroquinoline-1-oxide and cyclophosphamide were rejected due to low relative response factors. All other laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 0021S Organics

SAMPLES: 508SB00701, 508SB00801, 508SB00901, 512SB00701, 512SB00801, 512SB00901, 518CB0061, 518SB00701, GDCCB04501, GDCSB03801, GDCSB03801MS, GDCSB03801MSD, GDCSB03802

SEMIVOLATILE ORGANICS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) GC/MS Tuning:

All GC/MS Tuning criteria were met, so no action was necessary.

III.) Calibration:

Initial Calibration:

The Average Relative Response Factors (RRF's) of the following compounds were below the 0.050 QC limit for the initial calibration run on 7/18/95 on instrument OWA04:

4-nitroquinoline-1-oxide	0.011
cyclophosphamide	0.009

The results for these compounds in associated samples 508SB00701, 508SB00801, 508SB00901 and GDCCB04501, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) of 4-nitroquinoline-1-oxide (38.2%), 1,4-naphthoquinone (38.0%) and famphur (110%) exceeded the 30% QC limit for the initial calibration run on 7/18/95 on instrument OWA04. The results for 4-nitroquinoline-1-oxide were previously rejected. The non-detect results for famphur were flagged as estimated (UJ). There were no positive results for the other compound in the associated samples. No further action was necessary.

The Average Relative Response Factor (RRF) for cyclophosphamide (0.022) was below the 0.050 QC limit for the initial calibration run on 7/18/95 on instrument OWA08. The results for this compound in associated samples 518SB00701, 512SB00701, 518CB00601, 512SB00901, GDCSB03802, 512SB00801 and GDCSB03801, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) of 1,4-naphthoquinone (34.0%) and famphur (147%) exceeded the 30% QC limit for the initial calibration run on 7/18/95 on instrument OWA08. The associated non-detect sample results for famphur were flagged as estimated (UJ). There were no positive results for the other compound in the associated samples. No further action was required.

Continuing Calibration:

The Relative Response Factors (RRF's) for 4-nitroquinoline-1-oxide (0.009) and cyclophosphamide (0.009) were below the 0.050 QC limit for the continuing calibration run on 7/19/95 at 18:46 on instrument OWA04. The results for these compounds in the associated samples were previously rejected based on the initial calibration. No further action was required.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 7/19/95 at 18:46 on instrument OWA04:

famphur	80.1%
bis(2-ethylhexyl)phthalate	56.0%

The results for these compounds in associated samples 508SB00701, 508SB00801 and 508SB00901 were flagged as estimated (J) and (UJ).

The Relative Response Factors (RRF's) for 4-nitroquinoline-1-oxide (0.011) and cyclophosphamide (0.010) were below the 0.050 QC limit for the continuing calibration run on 7/20/95 at 13:36 on instrument OWA04. The results for these compounds in the associated sample were previously rejected based on the initial calibration. No further action was required.

The Percent Differences (%D's) of 1,4-naphthoquinone (33.8%) and famphur (49.4%) exceeded the 25% QC limit for the continuing calibration run on 7/20/95 at 13:36 on instrument OWA04. The non-detect results for these compounds in associated sample GDCCB04501 were flagged as estimated (UJ).

The Relative Response Factors (RRF's) for cyclophosphamide (0.034) and 4-nitroquinoline-1-oxide (0.045) were below the 0.050 QC limit for the continuing calibration run on 7/21/95 at 00:30 on instrument OWA08. The results for 4-nitroquinoline-1-oxide in associated samples 518SB00701, 512SB00701, 518CB00601, 512SB00901, GDCSB03802, 512SB00801 and GDCSB03801, which consisted entirely of non-detects, were rejected (R). The results for the other compound in the associated samples were previously rejected based on the initial calibration. No further action was required.

The Percent Difference (%D) of cyclophosphamide (56.4%) exceeded the 25% QC limit for the continuing calibration run on 7/21/95 at 00:30 on instrument OWA08. The results for cyclophosphamide in the associated samples were previously rejected. No further action was required.

IV.) Blanks:

Method Blanks:

Phenanthrene was detected at 97 ug/kg in soil blank SVBLK39. The results for this compound in samples 508SB00701, 508SB00801, 508SB00901 and GDCCB04501 less than 5X the blank amount were flagged as undetected (U) with the laboratory results below CRQL being replaced with the CRQL.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met, No action was required.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

All MS / MSD criteria were met. No action was necessary.

VII.) Field Duplicates:

The field duplicates for samples 518CB00601 and GDCCB04501 were not contained in this SDG. No action was required.

VIII.) Internal Standards Performance:

All Internal Standards Performance criteria were met. No action was required.

IX.) TCL Compound Identification:

All TCL Compound Identification criteria were met, so no action was required.

X.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL's):

All CRQL criteria were met, so no action was required.

XI.) Tentatively Identified Compounds (TIC's):

All TIC criteria were met, so no action was taken.

XII.) System Performance:

All System Performance criteria were met, so no action was necessary.

XIII.) Overall Assessment of Data/General:

All sample results for 4-nitroquinoline-1-oxide and cyclophosphamide were rejected due to low RRF's.

All other laboratory data were acceptable with qualification.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422, Norcross, Ga. 30093

DATA VALIDATION SUMMARY REPORT

COMPANY:	Ensafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
PROJECT NUMBER:	8500.014
CONTRACTED LAB:	CompuChem Environmental Corporation
QA/QC LEVEL:	Level III
EPA SOW/METHOD:	EPA 1990 SOW
VALIDATION GUIDELINES:	*USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, 1994*
SAMPLE MATRIX:	Water
TYPES OF ANALYSES:	Semivolatile Organics (SVOA)

SDG NUMBERS: 0018S, 0022SB

SAMPLES:

SDG: 0018S

Client Sample #:	Lab Sample #:	Matrix	SVOA
044HW00401	731359	Water	X
047HW00501	731853	Water	X
047GW00601	732738	Water	X
047GW01101	732706	Water	X
523GW00101	732763	Water	X
523GW00101RE	732763RE	Water	X
523HW00101	732773	Water	X
523HW00101RE	732773RE	Water	X
047GW00401	733198	Water	X

H = FIELD DUPLICATE, RE = REANALYSIS

SDG: 0022SB

Client Sample #:	Lab Sample #:	Matrix	SVOA
047EB02001	738551	Water	X
047DB02001	738541	Water	X
510EB00601	737594	Water	X
510DB00601	737597	Water	X

D = DEIONIZED BLANK, E = EQUIPMENT BLANK

DATA REVIEWER(S): Amy L. Hogan, Marvin L. Smith

RELEASE SIGNATURE:

Data Qualifier Definitions

J	-	The association numerical value is an estimated quantity.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

CompuChem Enviromental Corp. - 0018S Organics

SAMPLES: 044HW00401, 047HW00501, 047GW01101, 047GW00601, 523GW00101, 523HW00101, 047GW00401, 523GW00101RE, 523HW00101RE

SEMIVOLATILE ORGANICS

I.) Holding Times:

The number of days between sampling and extraction of the following samples exceeded the 7 day QC limit for water samples:

047GW00401	15 days
523GW00101RE	35 days
523HW00101RE	26 days

All positive results for these samples were flagged as estimated (J). The non-detect results for these samples were rejected (R), since the holding times were more than 2X the QC limit.

II.) GC/MS Tuning:

All GC/MS Tuning criteria were met, so no action was necessary.

III.) Calibration:

Initial Calibration:

The Average Relative Response Factor (RRF) for cyclophosophamide (0.028) was below the 0.050 QC limit for the initial calibration run on 6/23/95 on instrument OWA04. The non-detect results for this compound in associated samples 523HW00101, 047HW00501 and 044HW00401 were rejected (R).

The Percent Relative Standard Deviations (%RSD's) of the following compounds exceeded the 30% QC limit for the initial calibration run on 6/23/95 on instrument OWA04:

n-nitrosopyrrolidine	67.5%
n-nitrosomorpholine	45.3%
1,4-napthoquinone	51.3%
phenacetin	56.2%
phenathrene	55.6%
methapyrilene	30.6%

famphur	191%
indeno(1,2,3-cd)perylene	53.2%

There were no positive results for these compounds in the associated samples. No action was required.

The Average Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the initial calibration run on 7/19/95 on instrument OWA04:

4-nitroquinoline-1-oxide	0.011
cyclophosphamide	0.009

The results for these compounds in associated samples 523GW00101, 047GW00601, 047GW00401, 047GW01101 and 523GW00101RE, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) for the following compounds exceeded the 30% QC limit for the initial calibration run on 7/19/95 on instrument OWA04:

4-nitroquinoline-1-oxide	38.2%
1,4-napthoquinone	38.0%
famphur	110%

The results for 4-nitroquinoline-1-oxide in the associated samples were previously rejected. There were no positive results for the other compounds in the associated samples. No action was necessary.

The Average Relative Response Factor (RRF) for cyclophosphamide (0.007) was below the 0.050 QC limit for the initial calibration run on 6/23/95 on instrument OWA15. The result for this compound in associated sample 523HW00101RE was previously rejected based on the holding time. No further action was required.

The Percent Relative Standard Deviations (%RSD's) of the following compounds exceeded the 30% QC limit for the initial calibration run on 6/23/95 on instrument OWA15:

cyclophosphamide	37.0%
3-methylphenol	50.8%
4-methylphenol	50.8%
n-nitrosomorpholine	68.7%
o-toluidine hydrochloride	48.9%
benzoic acid	50.8%
2,4-dinitrophenol	36.6%
4-nitroaniline	76.3%
famphur	86.0%

The results for these compounds in the associated sample were previously flagged based on holding times. No further action was required.

Continuing Calibration:

The Relative Response Factors (RRF's) for 4-nitroquinoline-1-oxide (0.039) and cyclophosphamide (0.045) were below the 0.050 QC limit for the continuing calibration run on 7/10/95 at 09:02 on instrument OWA04. The result for 4-nitroquinoline-1-oxide in associated sample 523HW00101, which was non-detect, was rejected (R). The result for the other compound was previously rejected based on the initial calibration.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 7/10/95 at 09:02 on instrument OWA04:

4-nitroquinoline-1-oxide	34.8%
cyclophosphamide	63.6%
n-nitrosodimethylamine	49.4%
n-nitrosopyrrolidine	41.9%
n-nitroso-di-n-propylamine	25.1%
aramite	25.7%
3,3'-dimethoxybenzidine	31.2%

The results for 4-nitroquinoline-1-oxide and cyclophosphamide in the associated sample were previously rejected. The results for the other compounds in associated sample 523HW00101, which consisted entirely of non-detects, were flagged as estimated (UJ).

The Relative Response Factors (RRF's) for 4-nitroquinoline-1-oxide (0.032) and cyclophosphamide (0.039) were below the 0.050 QC limit for the continuing calibration run on 7/12/95 at 20:13 on instrument OWA04. The result for 4-nitroquinoline-1-oxide in associated sample 047HW00501, which was non-detect, was rejected (R). The result for cyclophosphamide in the associated sample was previously rejected based on the initial calibration.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 7/12/95 at 20:13 on isntrument OWA04:

4-nitroquinoline-1-oxide	45.7%
cyclophosphamide	41.9%
n-nitrosodimethylamine	53.6%
pyridine	30.6%
paraldehyde	29.4%
ethylmethacrylate	36.0%
methyl methanesulfonate	39.4%
bis(2-chloroethyl)ether	27.5%
benzyl chloride	26.1%
bis(2-chloroisopropyl)ether	34.5%
n-nitrosopyrrolidine	29.6%
n-nitroso-di-n-propylamine	32.1%
nitrobenzene	37.7%
isophorone	29.7%
benzoic acid	25.1%
n-nitroso-di-n-butylamine	28.4%

2-nitroaniline	31.6%
4-nitrophenol	54.8%
1,2-diphenylhydrazine	35.6%
phenacetin	31.9%
dimethoate	33.4%
methapyrilene	45.7%
benzidine	42.4%
chlorobenzilate	29.6%
butylbenzylphthalate	30.2%
3,3'-dimethoxybenzidine	34.4%
4,4'-methylenbis(2-chloro)benzenamine	28.6%

The results for 4-nitroquinoline-1-oxide and cyclophosphamide in the associated sample were previously rejected. The results for the other compounds in associated sample 047HW00501, which consisted entirely of non-detects, were flagged as estimated (UJ).

The Relative Response Factor (RRF) for cyclophosphamide (0.018) was below the 0.050 QC limit for the continuing calibration run on 7/13/95 at 22:55 on instrument OWA04. The result for this compound in associated sample 044HW00401 was previously rejected. No further action was necessary.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 7/13/95 at 22:55 on instrument OWA04:

cyclophosphamide	34.3%
n-nitrosodimethylamine	53.7%
ethyl methacrylate	26.8%
methyl methanesulfonate	36.0%
benzyl chloride	26.9%
bis(2-chloroisopropyl)ether	34.5%
n-nitrosopyrrolidine	30.6%
n-nitroso-di-n-propylamine	35.6%
nitrobenzene	36.6%
isophorone	30.5%
benzoic acid	48.9%
n-nitroso-di-n-butylamine	28.3%
2-nitroaniline	29.6%
4-nitrophenol	36.8%
2,3,4,6-tetrachlorophenol	25.6%
1,2-diphenylhydrazine	38.4%
pentachloronitrobenzene	27.6%
methapyrilene	55.9%
chlorobenzilate	35.7%
bis(2-ethylhexyl)phthalate	29.3%

The result for cyclophosphamide in associated sample 044HW00401 was previously rejected based on the initial calibration. The positive result for benzoic acid in the associated sample was flagged as estimated (J). The results for the other compounds in the associated sample, which consisted entirely of non-detects, were flagged as estimated (UJ).

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 7/19/95 at 18:46 on instrument OWA04:

4-nitroquinoline-1-oxide	0.009
cyclophosphamide	0.009

The results for these compounds in the associated sample were previously rejected based on the initial calibration. No further action was required.

The Percent Differences (%D's) of famphur (80.1%) and bis(2-ethylhexyl)phthalate (56.0%) exceeded the 25% QC limit for the continuing calibration run on 7/19/95 at 18:46 on instrument OWA04. The results for these compounds in associated sample 523GW00101, which consisted entirely of non-detects, were flagged as estimated (UJ).

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 7/20/95 at 13:36 on instrument OWA04:

4-nitroquinoline-1-oxide	0.011
cyclophosphamide	0.010

The results for these compounds in the associated samples were previously rejected based on the initial calibration. No further action was required.

The Percent Differences (%D's) of 1,4-napthoquinone (33.8%) and famphur (49.4%) exceeded the 25% QC limit for the continuing calibration run on 7/20/95 at 13:36 on instrument OWA04. The results for these compounds in associated samples 047GW00601, 047GW00401 and 047GW01101, which consisted entirely of non-detects, were flagged as estimated (UJ).

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 7/21/95 at 04:08 on instrument OWA04:

4-nitroquinoline-1-oxide	0.017
cyclophosphamide	0.015

The results for these compounds in the associated sample were previously rejected based on the initial calibration and holding time exceedance. No further action was required.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for continuing calibration run on 7/21/95 at 04:08 on instrument OWA04:

4-nitroquinoline-1-oxide	55.5%
cyclophosphamide	65.4%
1,4-napthoquinone	28.3%
4-nitrophenol	32.1%
methapyrilene	27.5%
benzidine	26.8%
famphur	48.5%

The results for 4-nitroquinoline-1-oxide and cyclophosphamide in associated sample 523GW00101RE were previously rejected. The results for the other compounds in this sample were previously rejected based on holding times. No further action was required.

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for continuing calibration run on 7/12/95 at 14:37 on instrumnent OWA15:

4-nitroquinoline-1-oxide	0.020
cyclophosphamide	0.017
famphur	0.007

The results for 4-nitroquinoline-1-oxide and famphur in associated sample 523HW00101RE, which consisted entirely of non-detects, were rejected (R). The result for the other compound in this sample were previously rejected. No further action was required.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 7/12/95 at 14:38 on instrument OWA15:

4-nitroquinoline-1-oxide	61.1%
cyclophosphamide	165%
famphur	91.5%
n-nitrosodimethylamine	35.8%
paraldehyde	42.8%
ethylmethacrylate	36.2%
methyl methanesulfonate	43.7%
n-nitrosodiethylamine	27.2%
ethyl methanesulfonate	25.5%
bis(2-chloroethyl)ether	29.7%
benzyl chloride	32.8%
3-methylphenol	37.0%
4-methylphenol	37.0%
n-nitrosopyrrlodine	25.5%
n-nitroso-di-n-proplamine	47.8%
n-nitrosomorpholine	80.8%
o-toluidine hydrochloride	48.7%
hexachloroethane	26.5%
benzoic acid	32.2%
2,4-dinitrophenol	32.2%
4-nitroaniline	93.1%
4-aminobiphenyl	29.4%
methapyrilene	41.6%
benzidine	38.0%
3,3'-dimethoxybenzidine	36.3%

The results for 4-nitroquinoline-1-oxide, cyclophosphamide and famphur in associated sample 523HW00101RE were previously rejectedbased on the calibration and holding time. The results for the other compounds in the sample were previously rejected based on holding times. No further action was required.

IV.) Blanks:

Method Blanks:

All Method Blank criteria were met. No action was required.

V.) Surrogate Recoveries:

The Percent Recovery (%R) of nitrobenzene-d5 (117%) exceeded the 35-114% QC limit for sample 044HW00401. Since only one surrogate did not meet the Recovery criteria, no action was required.

The Percent Recoveries (%R's) of 2-fluorophenol (14%) and phenol-d5 (8.0%) were below the 21-100% and 10-94% QC limits, respectively, for sample 523GW00101. All results for the acid fraction compounds in this sample were flagged as estimated (J) and (UJ).

The Percent Recovery (%R) of 2-fluorophenol (17%) was below the 21-100% QC limits for sample 523GW00101RE. Since only one surrogate failed recovery criteria, no action was required.

The Percent Recoveries (%R's) of the following surrogates were below their respective QC limits for sample 523HW00101:

Surrogate	%R	QC limits
2-fluorophenol	0.0%	21-100%
phenol-d5	0.0%	10-94%
2,4,6-tribromophenol	5.0%	10-123%

Since the %R's for these surrogates were less than 10%, all acid compound results for this sample, which consisted entirely of non-detects, were rejected (R).

The Percent Recoveries (%R's) of the following surrogates were below their respective QC limits for sample 523HW00101RE:

Surrogate	%R	QC limits
2-fluorophenol	0.0%	21-100%
phenol-d5	0.0%	10-94%

All acid compound results for this sample, which consisted entirely of non-detects, were previously rejected based on holding time criteria. No further action was required.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

No MS / MSD analyses were requested for this SDG. No action was required.

VII.) Field Duplicates:

The field duplicate samples for 044HW00401 and 047HW00501 were not contained in this SDG. No action was necessary.

There were no calculable Relative Percent Differences (RPD's) for field duplicate samples 523GW00101 and 523HW00101. No action was required.

VIII.) Internal Standards Performance:

All Internal Standards Performance criteria were met. No action was required.

IX.) TCL Compound Identification:

All TCL criteria were met. No action was required.

X.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL's):

All CRQL criteria were met, so no action was required.

XI.) Tentatively Identified Compounds (TIC's):

All TIC criteria were met, so no action was taken.

XII.) System Performance:

All System Performance criteria were met, so no action was necessary.

XIII.) Overall Assessment of Data/General:

Sampling dates were entered on the spreadsheets by the validator.

All non-detect results for samples 047GW00401, 523GW00101RE and 523HW00101RE were rejected due to holding time exceedances. The acid fraction compounds in sample 523HW00101 were rejected due to very low (<10%) surrogate reconveries.

All results for cyclophosphamide were rejected due to low Relative Response Factors. All results, except one, for 4-nitroquinoline-1-oxide were rejected due to low RRF's.

The original analyses of samples 523GW00101 and 523GW00101 were considered by the validator to be of preferrable data quality, since the reanalyses were extracted outside of holding times.

All other laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

CompuChem Enviromental Corp. - 0022SB Organics

SAMPLES: 047EB02001, 047DB02001, 510EB00601, 510DB00601

SEMIVOLATILE ORGANICS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) GC/MS Tuning:

All GC/MS Tuning criteria were met, so no action was necessary.

III.) Calibration:

Initial Calibration:

The Average Relative Response Factors (RRF's) of the following compounds were below the 0.050 QC limit for the initial calibration run on 7/18/95 on instrument OWA04:

4-nitroquinoline-1-oxide	0.011
cyclophosphamide	0.009

The results for these compounds in associated samples 510DB00601 and 510EB00601, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) of 4-nitroquinoline-1-oxide (38.2%) famphur (110%), and 1,4-napthaquinone (38.0%) and exceeded the 30% QC limit for the initial calibration run on 7/18/95 on instrument OWA04. The results for 4-nitroquinoline-1-oxide were previously rejected. The results for the other compounds were not flagged because the associated samples were field blanks.

The Average Relative Response Factors (RRF's) for 4-nitroquinoline-1-oxide (0.029) and cyclophosphamide (0.026) were below the 0.050 QC limit for the initial calibration run on 7/18/95 on instrument OWA15. The results for these compounds in associated samples 047EB02001 and 047DB02001, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) of the following compounds exceeded the 30% QC limit for the initial calibration run on 7/18/95 on instrument OWA15:

4-nitroquinoline-1-oxide	30.6%
benzoic acid	40.5%
2,4-dinitrophenol	32.8%
famphur	158%

The results for 4-nitroquinoline-1-oxide in the associated samples were previously rejected. There were no positive results for the other compounds in the associated samples. No action was required.

Continuing Calibration:

The Relative Response Factors (RRF's) for 4-nitroquinoline-1-oxide (0.011) and cyclophosphamide (0.010) were below the 0.050 QC limit for the continuing calibration run on 7/20/95 at 13:36 on instrument OWA04. The results for these compounds in the associated samples were previously rejected based on the initial calibration. No further action was required.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the Continuing Calibration run on 7/20/95 at 13:36 on instrument OWA04:

famphur	49.4%
1,4-napthoquinone	33.8%

The associated samples for this calibration were field blanks, so no further action was necessary.

The Relative Response Factors (RRF's) for 4-nitroquinoline-1-oxide (0.035), famphur (0.049) and cyclophosphamide (0.032) were below the 0.050 QC limit for the continuing calibration run on 7/18/95 at 19:34 on instrument OWA15. The results for famphur in associated samples 047EB02001 and 047DB02001, which consisted entirely of non-detects, were rejected (R). The results for the other compounds in the associated samples were previously rejected (R) based on the initial calibration. No further action was required.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 7/18/95 at 19:34 on instrument OWA15:

famphur	38.4%
pyridine	26.5%
hexachloropropene	28.3%
1,4-napthoquinone	36.7%
4-nitrophenol	45.3%

The associated samples for this calibration were field blanks, so no further action was necessary.

IV.) Blanks:

Method Blanks:

Diethylphthalate and bis(2-ethylhexyl)phthalate were detected at 1.0 ug/L and 4.0 ug/L in water method blank SBLK83. The associated samples were field blanks, so no action was required.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met, No action was required.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

No MS / MSD analyses were requested for this SDG. No action was necessary.

VII.) Field Duplicates:

There were no field duplicate samples associated with this SDG. No action was required.

VIII.) Internal Standards Performance:

All Internal Standards Performance criteria were met. No action was required.

IX.) TCL Compound Identification:

All TCL Compound Identification criteria were met, so no action was required.

X.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL's):

All CRQL criteria were met, so no action was required.

XI.) Tentatively Identified Compounds (TIC's):

All TIC criteria were met, so no action was taken.

XII.) System Performance:

All System Performance criteria were met, so no action was necessary.

XIII.) Overall Assessment of Data/General:

All results for 4-nitroquinoline-1-oxide and cyclophosphamide were rejected due to low RRF's. The non-detect results for famphur in two samples were rejectec due to a low RRF.

All other laboratory data were acceptable without qualification.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422, Norcross, GA 30093

(770) 923-3890
(770) 923-8769 (Fax)

DATA VALIDATION SUMMARY REPORT

COMPANY:	Ensafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
PROJECT NUMBER:	8500.014
CONTRACTED LAB:	CompuChem Environmental Corporation
QA/QC LEVEL:	Level III
EPA SOW/METHOD:	EPA 1990 SOW
VALIDATION GUIDELINES:	*USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, 1994*
SAMPLE MATRIX:	Soil
TYPES OF ANALYSES:	Semivolatile Organics (SVOA)

SDG NUMBER: 0022S

SAMPLES:

Client Sample #:	Lab Sample #:	Matrix	SVOA
GDCSB03901	737207	Soil	X
GDCSB03902	737240	Soil	X
GDCSB04001	737246	Soil	X
510SB00601	737588	Soil	X
510SB00701	737591	Soil	X
515SB00801	737592	Soil	X
515SB00701	737593	Soil	X
047SB02101	738013	Soil	X
047SB02201	738014	Soil	X
047SB02301	738015	Soil	X
047SB01601	738016	Soil	X
0475B01601DL	738016DL	Soil	X
047CB01601	738017	Soil	X
047SB02001	738353	Soil	X
047SB01901	738363	Soil	X
047SB01701	738364	Soil	X

Client Sample #:	Lab Sample #:	Matrix	SVOA
047SB01801	738365	Soil	X
047CB01901	738366	Soil	X
047SB02001MS	738353MS	Soil	X
047SB02001MSD	738353MSD	Soil	X

C = FIELD DUPLICATE, MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

DATA REVIEWER(S): Amy L. Hogan, Marvin L. Smith

RELEASE SIGNATURE:

Data Qualifier Definitions

J	-	The association numerical value is an estimated quantity.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

CompuChem Enviromental Corp. - 0022S Organics

SAMPLES: GDCSB03901, GDCSB03902, GDCSB04001, 510SB00601, 510SB00701, 515SB00801, 515SB00701, 047SB02101, 047SB02201, 047SB02301, 047SB01601, 047CB01601, 047SB02001, 047SB01901, 047SB01701, 047SB01801, 047CB01901, 047SB02001MS, 047SB02001MSD, 047SB01601DL

SEMIVOLATILE ORGANICS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) GC/MS Tuning:

All GC/MS Tuning criteria were met, so no action was necessary.

III.) Calibration:

Initial Calibration:

The Average Relative Response Factor (RRF) for cyclophosphamide (0.022) was below the 0.050 QC limit for the initial calibration run on 7/18/95 on instrument OWA08. All results for this compound in the samples in this SDG, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) of 1,4-napthaquinone (34.0%) and famphur (147%) exceeded the 30% QC limit for the initial calibration run on 7/18/95 on instrument OWA08. There were no positive results for these compounds in the associated samples. No action was necessary.

Continuing Calibration:

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 7/21/95 at 14:53 on instrument OWA08:

benzal chloride	0.025
4-nitroquinoline-1-oxide	0.015
cyclophosphamide	0.042

The results for cyclophosphamide in the associated samples were previously rejected based on the initial calibration. The results for the other compounds in associated samples GDCSB03902, GDCSB03901, GDCSB04001, 515SB00701, 510SB00601, 510SB00701 and 515SB00801, which consisted entirely of non-detects, were rejected (R).

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the Continuing Calibration run on 7/21/95 at 14:53 on instrument OWA08:

benzal chloride	96.5%
4-nitroquinoline-1-oxide	74.0%
cyclophosphamide	91.9%
pyridine	25.1%
benzoic acid	60.1%
napbthalene	94.3%
aramite	31.8%

The results for benzal chloride, 4-nitroquinoline-1-oxide and cyclophosphamide were previously rejected. The results for the other compounds in the associated samples which consisted entirely of non-detects, were flagged as estimated (UJ).

The Relative Response Factors (RRF's) for 4-nitroquinoline-1-oxide (0.045) and cyclophosphamide (0.042) were below the 0.050 QC limit for the continuing calibration run on 7/22/95 at 02:01 on instrument OWA08. The results for 4-nitroquinoline-1-oxide in associated samples 047SB02101, 047SB02301 and 047SB01601, which consisted entirely of non-detects, were rejected (R). The results for the other compound in the associated samples were previously rejected (R) based on the initial calibration. No further action was required.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 7/22/95 at 02:01 on instrument OWA08:

cyclophosphamide	89.8%
pyridine	28.7%
benzoic acid	73.0%
bis(2-ethylhexyl)phthalate	25.8%

The results for cyclophosphamide in the associated samples were previously rejected. The non-detect results for the other compounds in associated samples 047SB02101, 047SB02301 and 047SB01601 were flagged as estimated (UJ).

The Relative Response Factors (RRF's) for benzoic acid (0.031), cyclophosphamide (0.041) and 4-nitroquinoline-1-oxide (0.036) were below the 0.050 QC limit for the continuing calibration run on 7/22/95 at 15:00 on instrument OWA08. The results for benzoic acid and 4-nitroquinoline-1-oxide in associated samples 047CB01601 and 047SB01601DL, which consisted entirely of non-detects, were rejected (R). The results for the other compound in the associated samples were previously rejected based on the initial calibration. No further action was required.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 7/22/95 at 15:00 on instrument OWA08:

benzoic acid	85.3%
4-nitroquinoline-1-oxide	39.7%
cyclophosphamide	84.8%
pyridine	34.7%
ethylmethacrylate	25.7%
famphur	35.1%

The results for benzoic acid, 4-nitroquinoline-1-oxide and cyclophosphamide in the associated samples were previously rejected based on the initial calibration. The results for the other compounds in associated samples 047CB01601 and 047SB01601DL, which consisted entirely of non-detects, were flagged as estimated (UJ).

The Relative Response Factors (RRF's) of the following compounds were below the 0.050 QC limit for the continuing calibration run on 7/23/95 at 17:13 on instrument OWA08:

4-nitroquinoline-1-oxide	0.044
cyclophosphamide	0.043

The results for cyclophosphamide in the associated samples were previously rejected based on the initial calibration. The results for the other compound in associated samples 047SB02001, 047SB01701, 047CB01901, 047SB01801, 047SB01901 and 047SB02201, which consisted entirely of non-detects, were rejected (R).

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 7/23/95 at 17:13 on instrument OWA08:

4-nitroquinoline-1-oxide	26.2%
cyclophosphamide	93.5%
n-nitrosodimethylamine	28.7%
pyridine	40.8%
paraldehyde	29.7%
ethylmethacrylate	36.4%
2-picolone	26.0%
nitrosomethylethylamine	25.8%
n-nitrosopyrrolidine	31.8%
benzoic acid	68.4%
1,4-napthaquinone	29.7%
methapyrilene	26.5%
bis(2-ethylhexyl)phthalate	30.8%

The results for 4-nitroquinoline-1-oxide and cyclophosphamide in the associated samples were previously rejected. The results for the other compounds in the associated samples listed above, which consisted entirely of non-detects, were flagged as estimated (UJ).

IV.) Blanks:

Method Blanks:

All Method Blank criteria were met. No action was required.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met, No action was required.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

All MS / MSD criteria were met. No action was necessary.

VII.) Field Duplicates:

The Relative Percent Differences (RPDs) for the following compounds in field duplicate samples 047SB01601 and 047CB01601 were calculated:

acenapthylene	9.5%
phenanthrene	17%
anthracene	0.0%
fluoranthene	38%
pyrene	42%
benzo(a)anthracene	33%
chrysene	12%
benzo(b)fluoranthene	24%
benzo(k)fluoranthene	29%
benzo(a)pyrene	37%
indeno(1,2,3-cd)pyrene	0.0%
dibenz(a,h)anthracene	34%
benzo(g,h,i)perylene	6.1%

None of the RPD's for these compounds exceeded the 60% soil QC limits. No action was necessary.

The Relative Percent Differences (RPDs) for the following compounds in field duplicate samples 047SB01901 and 047CB01901 were calculated:

phenanthrene	28%
fluoranthene	0.0%
pyrene	52%
benzo(a)anthrene	28%
chrysene	26%
benzo(b)fluoranthene	8.7%
benzo(k)fluoranthene	15%

None of the RPD's for these compounds exceeded the 60% soil QC limits. No action was necessary.

VIII.) Internal Standards Performance:

All Internal Standards Performance criteria were met. No action was required.

IX.) TCL Compound Identification:

The laboratory was unable to distinguish benzo(b)fluoranthane and benzo(k)fluoranthene. They used the hightest detected amount and divided it evenly between the two isomers. The laboratory flags (X) for these compounds were changed to (J).

All other TCL Compound Identification criteria were met, so no action was required.

X.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL's):

All CRQL criteria were met, so no action was required.

XI.) Tentatively Identified Compounds (TIC's):

All TIC criteria were met, so no action was taken.

XII.) System Performance:

All System Performance criteria were met, so no action was necessary.

XIII.) Overall Assessment of Data/General:

All results for 4-nitroquinoline-1-oxide and cyclophosphamide were rejected due to low RRF's.

All other laboratory data were acceptable with qualification.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422, Norcross, GA 30093

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DATA VALIDATION SUMMARY REPORT

COMPANY:	Ensafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
PROJECT NUMBER:	8500.014
CONTRACTED LAB:	CompuChem Environmental Co.
QA/QC LEVEL:	Level III
EPA SOW/METHOD:	EPA 1990 SOW
VALIDATION GUIDELINES:	*USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review,* 1994
SAMPLE MATRICES:	Water and Sediment
TYPES OF ANALYSES:	Semivolatile Organics (SVOA)

SDG NUMBERS: 0017S

SAMPLES:

SDG NUMBER: 0017S

Client Sample #:	Lab Sample #:	Matrix	SVOA
047GW00101	731748	Water	X
047GW00201	731762	Water	X
047GW00301	731722	Water	X
047GW00501	731835	Water	X
047GW00701	731694	Water	X
047GW00801	732676	Water	X
047GW00901	732689	Water	X
047GW01001	731679	Water	X
047GW01201	732662	Water	X
047GW01301	731741	Water	X
047GW01501	732654	Water	X
510GW00101	730803	Water	X
510GW00201	730802	Water	X
523GW00201	730804	Water	X
GDCGW00101	730805	Water	X
GDCDW00101	730806	Water	X
GDCEW00101	730807	Water	X

Client Sample #:	Lab Sample #:	Matrix	SVOA
GDCFW00101	730797	Water	X
GDCGW01D01	730801	Water	X
GDCGW02D01	731346	Water	X
047GW00301MS	730798MS	Water	X
047GW00301MSD	730799MSD	Water	X

D = DEIONIZED WATER BLANK, E = EQUIPMENT BLANK, F = FIELD BLANK
MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

DATA REVIEWER(S): Kent F. Pan, Ph. D., Marvin L. Smith, Jean M. Delashmit

RELEASE SIGNATURE:

Data Qualifier Definitions

J	-	The association numerical value is an estimated quantity.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

CompuChem Environmental Corporation - 0017S Organics

SAMPLES: 047GW00101, 047GW00201, 047GW00301, 047GW00501, 047GW00701, 047GW00801, 047GW00901, 047GW01001, 047GW01201, 047GW01301, 047GW01501, 510GW00101, 510GW00201, 523GW00201, GDCGW00101, GDCDW00101, GDCEW00101, GDCFW00101, GDCGW01D01, GDCGW02D01, 047GW00301MS, 047GW00301MSD

SEMIVOLATILE ORGANICS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) GC/MS Tuning:

All GC/MS Tuning criteria were met, so no action was necessary.

III.) Calibration:

Initial Calibration:

The Average Relative Response Factor (RRF) for cyclophosphamide was 0.028, which was below the 0.050 QC limit for the initial calibration run on 06/23/95 on instrument OWA04. The results for this compound in associated samples 510GW00101, 510GW00201, 523GW00201, GDCGW00101 and GDCDW00101, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) of the following compounds exceeded the 30% QC limit for the initial calibration run on 06/23/95 on instrument OWA04:

n-nitrosopyrrolidine	67.5%
1,4-naphoquinone	51.3%
phenacetin	56.2%
phenanthracene	55.6%
famphur	191%
indeno(1,2,3-c,d)pyrene	53.2%

The results for these compounds in associated samples 510GW00101, 510GW00201, 523GW00201, GDCGW00101 and GDCDW00101 consisted entirely of non-detects. The non-detect results for famphur were flagged as estimated (UJ) due to the high %RSD of the compound (greater than 70%). No action was required for the other compounds.

The Average Relative Response Factor (RRF) for cyclophosphamide was 0.022, which was below the 0.050 QC limit for the initial calibration run on 07/18/95 on instrument OWA08. The results for this compound in associated samples 047GW00801, 047GW00901, 047GW01201 and 047GW01501, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) of 1,4-napthoquinone (34.0%) and famphur (121%) exceeded the 30% QC limit for the initial calibration run on 07/18/95 on instrument OWA08. The associated samples were 047GW00801, 047GW00901, 047GW01201 and 047GW01501. No action was required for the non-detect results of 1,4-napthoquinone. The non-detect results for fampur were flagged as estimated (UJ) because the %RSD was greater than 70%.

The Average Relative Response Factor (RRF) for cyclophosphamide was 0.007, which was below the 0.050 QC limit for the initial calibration run on 06/23/95 on instrument OWA15. The results for this compound in associated samples 047GW00101, 047GW00201, 047GW00301, 047GW00501, 047GW00701, 047GW01001, 047GW01301 and GDCGW02D01, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) of the following compounds exceeded the 30% QC limit for the initial calibration run on 06/23/95 on instrument OWA15:

3-methyl-phenol	50.8%
4-methyl-phenol	50.8%
n-nitrosomorpholine	68.7%
o-toluidine hydrochloride	48.9%
benzoic acid	50.8%
2,4-dinitrophenol	36.6%
4-nitroaniline	76.3%
famphur	86.0%

The non-detect results for 4-nitroaniline and fampur were flagged as estimated (UJ) since their %RSD's were greater than 70%. The results for the other compounds consisted entirely of non-detects. No further action was required. The associated samples were 047GW00101, 047GW00201, 047GW00301, 047GW00501, 047GW00701, 047GW01001, 047GW01301 and GDCGW02D01.

Continuing Calibration:

The Relative Response Factor (RRF) for cyclophosphamide was 0.028, which was below the 0.050 QC limit for the continuing calibration run on 07/10/95 at 09:02 on instrument OWA04. The result for cyclophosphamide was associated only with method blank SBLK19. No action was required.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 07/10/95 at 09:02 on instrument OWA04:

n-nitrosodimethylamine	49.4%
n-nitrosopyrroline	41.9%
4-nitroquinoline-1-oxide	34.8%
cyclophosphamide	63.6%
3,3'-dimethoxybenzidine	31.2%

The results for these compounds were associated only with method blank SBLK19, so no action was required.

The Relative Response Factor (RRF) for cyclophosphamide was 0.028, which was below the 0.050 QC limit for the continuing calibration run on 07/12/95 at 04:53 on instrument OWA04. The results for cyclophosphamide in associated samples GDCGW01D01, 510GW00201, 510GW00101 and 523GW00201 were previously rejected. No further action was taken.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 07/12/95 at 04:53 on instrument OWA04:

n-nitrosodimethylamine	37.9%
n-nitrosopyrrolidine	48.4%
4-nitrophenol	46.1%
4-nitroquinoline-1-oxide	40.0%
cyclophosphamide	68.1%
benzidine	50.7%
aramite	36.9%
chlorobenzilate	33.8%
famphur	34.0%
butylbenzylphthalate	33.4%
3,3'-dimethylbenzidine	30.6%
3,3'-dimethoxybenzidine	37.5%

The results for these compounds in the associated samples GDCGW01D01, 510GW00201, 510GW00101 and 523GW00201, which consisted entirely of non-detects, were flagged as estimated (UJ).

The Relative Response Factor (RRF) for cyclophosphamide (0.028) was below the 0.050 QC limit for the continuing calibration run on 07/12/95 at 20:13 on instrument OWA04. The result for this compound in associated sample GDCGW00101 was previously rejected. No further action was taken.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 07/12/95 at 20:13 on instrument OWA04:

n-nitrosodimethylamine	53.6%
pyridine	30.6%
paraldehyde	29.4%
ethylmethacrylate	36.0%
methyl methanesulfonate	39.4%
n-nitrosopyrrolidine	29.6%
n-nitroso-di-n-propylamine	32.1%
nitrobenzene	37.7%
isophorone	29.7%
n-nitroso-di-n-butylamine	28.4%
2-nitroaniline	31.6%
2-nitrophenol	54.8%
phenacetin	31.9%
dimethoate	33.4%

4-nitroquinoline-1-oxide	45.7%
methapyrilene	45.7%
cyclophosphamide	41.9%
benzidine	42.4%
chlorobenzilate	29.6%
3,3'-dimethylbenzidine	30.2%
3,3'-dimethoxybenzidine	34.4%

The results for these compounds in associated sample GDCGW00101, which consisted entirely of non-detects, were flagged as estimated (UJ).

The Relative Response Factor (RRF) for cyclophosphamide was 0.022, which was below the 0.050 QC limit for the continuing calibration run on 07/19/95 at 08:51 on instrument OWA08. The results for cyclophosphamide in associated samples 047GW01501, 047GW01201, 047GW00801 and 047GW00901 were previously rejected. No further action was taken.

The Percent Differences (%D's) of benzoic acid (41.8%) and cyclophosphamide (26.5%) exceeded the 25% QC limit for the continuing calibration run on 07/19/95 at 08:51 on instrument OWA08. The results for cyclophosphamide in the associated samples were previously rejected. The results for benzoic acid in associated samples 047GW01501, 047GW01201, 047GW00801 and 047GW00901, which consisted entirely of non-detects, were flagged as estimated (UJ).

The Relative Response Factor (RRF) for cyclophosphamide was 0.007, which was below the 0.050 QC limit for the continuing calibration run on 07/13/95 at 23:25 on instrument OWA15. The associated sample results for this compound 047GW00101, 047GW00201, 047GW00501, 047GW00701, 047GW01001, 047GW01301 and GDCGW02D01 were previously rejected. No other action was taken.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 07/13/95 at 23:25 on instrument OWA15:

3-methylphenol	29.7%
4-methylphenol	29.7%
n-nitroso-di-n-propylamine	30.7%
n-nitrosomorpholine	80.0%
o-toluidine hydrochloride	45.7%
benzoic acid	42.5%
hexachlorocyclopentadiene	36.1%
1,2,4,5-tetrachlorobenzene	32.7%
1,2,3,5-tetrachlorobenzene	32.7%
1,4-napthoquinone	55.7%
1,3-dinitrobenzene	32.5%
4-nitroaniline	64.1%
4-nitroquinoline-1-oxide	44.9%
methapyrilene	33.4%
cyclophosphamide	224%
benzidine	43.0%
pyrene	29.2%
aramite	47.6%

chlorobenzilate	50.0%
famphur	32.1%
butylbenzylphthalate	45.7%
3,3'-dimethylbenzidine	30.2%

The results for cyclophosphamide were previously rejected (R). The non-detect results for the other compounds in associated samples 047GW00101, 047GW00201, 047GW00501, 047GW00701, 047GW01001, 047GW01301 and GDCGW02D01 were flagged as estimated (UJ).

The Relative Response Factors (RRF) for cyclophosphamide was 0.007, which was below the 0.050 QC limit for the continuing calibration run on 07/13/95 at 04:26 on instrument OWA15. The result for cyclophosphamide in associated sample 047GW00301 was previously rejected. No further action was taken.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 07/13/95 at 04:26 on instrument OWA15:

paraldehyde	31.8%
ethylmethacrylate	29.4%
n-nitrosomethylethylamine	42.8%
methyl methanesulfonate	36.1%
ethyl methanesulfonate	34.6%
bis(2-chloroethyl)ether	30.8%
benzyl chloride	34.5%
3-methylphenol	49.1%
4-methylphenol	49.1%
n-nitrosopyrrolidine	28.9%
n-nitroso-di-n-propylamine	49.5%
n-nitrosomorpholine	91.7%
o-toluidine hydrochloride	49.1%
hexachloroethane	29.3%
nitrobenzene	27.3%
2,4-dimethylphenol	36.6%
hexachlorocyclopentadiene	27.9%
1,4-naphthoquinone	37.6%
2,4-dinitrophenol	28.7%
1-naphthylamine	27.0%
4-nitroaniline	44.7%
4-nitroquinoline-1-oxide	55.1%
methapyrilene	50.3%
cyclophosphamide	149%
benzidine	36.5%
pyrene	29.2%
3,3'-dimethylbenzidine	44.0%
benzo(g,h,i)perylene	32.9%

The results for cyclophosphamide were previously rejected (R). The non-detect results for the other compounds in associated sample 047GW00301 were flagged as estimated (UJ).

IV.) Blanks:

Method Blanks:

There were no positive detections in the method blanks. No action was required.

Field Blanks:

There were no positive detections in the field blanks GDCDW00101, GDCEW00101 and GDCFW00101. No action was required.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No action was required.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

All MS / MSD criteria were met. No action was necessary.

VII.) Field Duplicates:

There were no field duplicate samples associated with this SDG. No action was taken.

VIII.) Internal Standards Performance:

All Internal Standards Performance criteria were met. No action was required.

IX.) TCL Compound Identification:

All TCL criteria were met. No action was required.

X.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL's):

All CRQL criteria were met, so no action was required.

XI.) Tentatively Identified Compounds (TIC's):

All TIC criteria were met, so no action was taken.

XII.) System Performance:

All System Performance criteria were met, so no action was necessary.

XIII.) Overall Assessment of Data/General:

All non-detect results for cyclophosphamide were rejected due to low relative response factors. All remaining laboratory data were acceptable with qualification.

VALIDATA

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DATA VALIDATION SUMMARY REPORT

COMPANY:	Ensafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
PROJECT NUMBER:	8500.014
CONTRACTED LAB:	CompuChem Environmental Corporation
QA/QC LEVEL:	Level III
EPA SOW/METHOD:	EPA 1990 SOW
VALIDATION GUIDELINES:	*USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review,* 1994
SAMPLE MATRICES:	Water and Soils
TYPES OF ANALYSES:	Volatile Organics (VOA)

SDG NUMBERS: 0021V, 0022V, 0022VB

SAMPLES:

SDG: 0021V

Client Sample #:	Lab Sample #:	Matrix	VOA
GDCCB04501	736437	Soil	X
518CB00601	736702	Soil	X
GDCSB03801	737120	Soil	X
GDCSB03802	737155	Soil	X
GDCSB03802MS	737155MS	Soil	X
GDCSB03802MSD	737155MSD	Soil	X

C = FIELD DUPLICATE, MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

SDG: 0022V

Client Sample #:	Lab Sample #:	Matrix	VOA
GDCSB03901	737198	Soil	X
GDCBS03902	737239	Soil	X
GDCSB04001	737245	Soil	X
GDCSB03901MS	737198MS	Soil	X
GDCSB03901MSD	737198MSD	Soil	X

MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

SDG: 0022VB

Client Sample #:	Lab Sample #:	Matrix	VOA
GDCTB03801	737250	Water	X

T = TRIP BLANK

DATA REVIEWER(S): Amy L. Hogan, Marvin L. Smith

RELEASE SIGNATURE:

Data Qualifier Definitions

J	-	The association numerical value is an estimated quantity.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

CompuChem Enviromental Corp. - 0021V Volatile Organics

SAMPLES: GDCCB04501, 518CB00601, GDCSB03801, GDCSB03802, GDCSB03802MS, GDCSB03802MSD

VOLATILE ORGANICS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) GC/MS Tuning:

All GC/MS Tuning criteria were met, so no action was necessary.

III.) Calibration:

Initial Calibration:

The Average Relative Response Factors (RRF's) forthe following compounds were below the 0.050 QC limit for the initial calibration run on 6/29/95 on instrument OWA13:

isobutyl alcohol	0.004
1,4-dioxane	0.000
crotonaldehyde	0.008

The results for these compounds in associated samples GDCSB03801, GDCSB03802, GDCCB04501 and 518CB00601, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) of the following compounds exceeded the 30% QC limit for the initial calibration run on 6/29/95 on instrument OWA13:

2-butanone	35.6%
isobutyl alcohol	36.9%
1,4-dioxane	62.0%
acrolein	42.5%

The results for isobutyl alcohol and 1,4-dioxane in the associated samples were previously rejected due to low RRF's. The results for the other compounds consisted entirely of non-detects in the associated samples. No further action was required.

Continuing Calibration:

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 7/03/95 at 13:51 on instrument OWA13:

isobutyl alcohol	0.004
1,4-dioxane	0.000
crotonaldehyde	0.009

The results for these compounds in the associated samples were previously rejected using the initial calibration. No further action was required.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 7/03/95 at 13:51 on instrument OWA13:

2-butanone	37.5%
acetone	91.7%
1,4-dioxane	89.9%
trichlorofluoromethane	25.6%

The results for 1,4-dioxane in the associated samples were previously rejected. The results for the other compounds in associated samples GDCSB03801 and GDCSB03802, which consisted entirely of non-detects, were flagged as estimated (UJ).

The Relative Response Factors (RRF's) of the following compounds were below the 0.050 QC limit for the continuing calibration run on 6/30/95 at 10:46 on instrument OWA13:

crotonaldehyde	0.010
isobutyl alcohol	0.007
methyl methacrylate	0.047
1,4-dioxane	0.000

The results for methyl methacrylate in associated samples GDCCB04501 and 518CB00601, which consisted entirely of non-detects, were rejected (R). The results for the other compounds were previously rejected based on the initial calibration.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 6/30/95 at 10:46 on instrument OWA13:

crotonaldehyde	44.9%
isobutyl alcohol	52.9%
1,4-dioxane	56.4%
2-butanone	39.6%
acrolein	32.0%

The results for crotonaldehyde, isobutyl alcohol and 1,4-dioxane in associated samples GDCCB04501 and 518CB00601 were previously rejected based on the initial calibration. The results for the other compounds in the associated samples, which consisted entirely of non-detects, were flagged as estimated (UJ).

IV.) Blanks:

Method Blanks:

Methylene chloride and acetone were both detected at 15.0 ug/kg in soil method blank VBLKA8. The positive result for methaylane chloride in associated sample GDCCB04501 less than 10X the blank amount was flagged as undetected (U) with the result below CRQL being replaced with the CRQL. Acetone was not detected in the sample. No further action was required.

Methylene chloride and acetone were detected at 22.0 ug/kg and 23.0 ug/kg, respectively, in soil blank VBLKC1. The result for methylene chloride in associated sample 518CB00601 less than 10X the blank amount was flagged as undetected (U) with result below CRQL being replaced with the CRQL. Acetone was not detected in the sample. No further action was required.

Trip Blanks:

Methylene chloride was detected at 1.0 ug/L in trip blank GDCTB03801 (analyzed in SDG 0022V). All positive results for this compound in associated samples GDCBS03801 and GDCSB03802 less than 10X the blank amount were flagged as undetected (U) with the results below CRQL being replaced with the CRQL.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No action was required.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

All MS / MSD critiria were met. No action was necessary.

VII.) Field Duplicates:

The field duplicate samples for GDCCB04501 and 518CB00601 were not contained in this SDG. No action was required.

VIII.) Internal Standards Performance:

All Internal Standards Performance criteria were met. No action was required.

IX.) TCL Compound Identification:

1,1,1-trichloro-2,2,2-trifluoroethene was misidentified on the spreadsheets as 1,1,1-trichloro-2,2,2-trifloumethene. This was corrected during validation.

All other TCL Compound Identification criteria were met, so no action was required.

X.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL's):

All CRQL criteria were met, so no action was required.

XI.) Tentatively Identified Compounds (TIC's):

All TIC criteria were met, so no action was taken.

XII.) System Performance:

All System Performance criteria were met, so no action was necessary.

XIII.) Overall Assessment of Data/General:

All results for crotonaldehyde, isobutyl alcohol and 1,4-dioxane were rejected dut to low RRF's. Methyl methacrylate was rejected in two samples due to a low RRF. All other laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

CompuChem Enviromental Corp. - 0022V Volatile Organics

SAMPLES: GDCSB03801, GDCSB03901, GDCSB03901MS, GDCSB03901MSD, GDCSB04001

VOLATILE ORGANICS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) GC/MS Tuning:

All GC/MS Tuning criteria were met, so no action was necessary.

III.) Calibration:

Initial Calibration:

The Average Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the initial calibration run on 7/11/95 on instrument OWA13:

isobutyl alcohol	0.014
1,4-dioxane	0.008
crotonaldehyde	0.012

The results for these compounds in associated samples GDCSB03901, GDCSB03902 and GDCSB04001, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) of the following compounds exceeded the 30% QC limit for the initial calibration run on 7/11/95 on instrument OWA13:

isobutyl alcohol	51.1%
1,4-dioxane	108%
methylene chloride	68.1%
acetone	156%
4-methyl-2-pentanone	52.1%
methacrylonitrile	57.4%
cis-1,4-dichloro-2-butene	37.1%

The results for isobutyl alcohol and 1,4-dioxane in the associated samples were previously rejected due to low RRF's. There were no positive results for the other compounds in the associated samples, so no further action was required.

Continuing Calibration:

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 7/11/95 at 11:24 on instrument OWA13:

isobutyl alcohol	0.004
1,4-dioxane	0.004
crotonaldehyde	0.006

The results for these compounds were previously rejected using the initial calibration. No further action was required.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 7/11/95 at 11:24 on instrument OWA13:

crotonaldehyhde	49.6%
isobutyl alcohol	68.3%
1,4-dioxane	47.1%
acetone	82.8%
2-butanone	41.4%
2-hexanone	39.7%
acrolein	29.9%
trichlorofluoromethane	28.3%
acrylonitrile	33.8%
vinyl acetate	34.6%
propionitrile	37.9%
methacrylonitrile	50.1%
dibromoethane	39.7%
trans-1,4-dichloro-2-butene	31.1%
1,2-dibromo-3-chloropropane	34.4%

The results for crotonaldehyde, isobutyl alcohol and 1,4-dioxane in the associated samples were previously rejected. The results for the other compounds in associated samples GDCSB03901, GDCSB03902 and GDCSB04001, which consisted entirely of non-detects, were flagged as estimated (UJ).

IV.) Blanks:

Method Blanks:

All Method Blank criteria were met. No action was required.

Trip Blanks:

Methylene chloride was detected at 1.0 ug/L in trip blank GDCTB03801 (analyzed in SDG 0022VB). All positive results for this compound in associated samples GDCSB03901, GDCSB03902 and GDCSB04001 less than 10X the blank amount were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No action was required.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

All MS / MSD criteria were met. No action was necessary.

VII.) Field Duplicates:

There were no field duplicate samples associated with this SDG. No action was required.

VIII.) Internal Standards Performance:

All Internal Standards Performance criteria were met. No action was required.

IX.) TCL Compound Identification:

1,1,1-Trichloro-2,2,2-trifluoroethane was mislabled on the spreadsheets as 1,1,1-trichloro-2,2,2-trifluomethane. This was corrected during validation.

All other TCL Compound Identification criteria were met, so no action was required.

X.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL's):

All CRQL criteria were met, so no action was required.

XI.) Tentatively Identified Compounds (TIC's):

All TIC criteria were met, so no action was taken.

XII.) System Performance:

All System Performance criteria were met, so no action was necessary.

XIII.) Overall Assessment of Data/General:

All results for crotonaldehyde, isobutyl alcohol and 1,4-dioxane were rejected due to low RRF's. All other laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

CompuChem Enviromental Corp. - 0022VB Volatile Organics

SAMPLE: GDCTB03801

VOLATILE ORGANICS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) GC/MS Tuning:

All GC/MS Tuning criteria were met, so no action was necessary.

III.) Calibration:

Initial Calibration:

The Average Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the initial calibration run on 7/03/95 on instrument F50054:

2-butanone	0.048
isobutyl alcohol	0.007
1,4-dioxane	0.001
crotonaldehyde	0.007
methyl methacrylate	0.042
propionitrile	0.048
2-chloroethyl vinyl ether	0.037

The results for these compounds in associated sample GDCTB03801, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) of the following compounds exceeded the 30% QC limit for the initial calibration run on 7/03/95 on instrument F50054:

2-butanone	43.0%
isobutyl alcohol	143%
1,4-dioxane	136%
propionitrile	72.5%
crotonaldehyde	90.6%
acetone	36.6%

The results for 2-butanone, isobutyl alcohol, propionitrile, crotonaldehyde and 1,4-dioxane in the associated sample were previously rejected due to low RRF's. No further action was required, since the associated sample was a trip blank.

Continuing Calibration:

The continuing calibration run for the sample in this SDG was not included in the raw data reviewed by the validator. Since the sample was a field blank, no action was required.

IV.) Blanks:

Method Blanks:

1,3-Dichlorobenzene and 1,2-dibromo-3-chloropropane were each detected at 2.0 ug/L in water method blank VBLKLF. Since the associated sample was a trip blank, no action was necessary.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No action was required.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

There were no MS / MSD analyses for this SDG. No action was necessary.

VII.) Field Duplicates:

There were no field duplicate samples associated with this SDG. No action was required.

VIII.) Internal Standards Performance:

All Internal Standards Performance criteria were met. No action was required.

IX.) TCL Compound Identification:

All TCL Compound Identification criteria were met, so no action was required.

X.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL's):

All CRQL criteria were met, so no action was required.

XI.) Tentatively Identified Compounds (TIC's):

All TIC criteria were met, so no action was taken.

XII.) System Performance:

All System Performance criteria were met, so no action was necessary.

XIII.) Overall Assessment of Data/General:

All results for 2-butanone, propionitrile, crotonaldehyde, isobutyl alcohol, methyl methacrylate, 2-chloroethyl vinyl ether and 1,4-dioxane were rejected due to low RRF's. All other laboratory data were acceptable without qualification.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422, Norcross, Ga. 30093

DATA VALIDATION SUMMARY REPORT

COMPANY:	Ensafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
PROJECT NUMBER:	8500.014
CONTRACTED LAB:	CompuChem Environmental Co.
QA/QC LEVEL:	Level III
EPA SOW/METHOD:	EPA 1990 SOW
VALIDATION GUIDELINES:	*National Functional Guidelines for Organic Data Review,* 1994; *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review,* 1994
SAMPLE MATRIX:	Soil
TYPES OF ANALYSES:	Volatile Organics (VOA)
SDG NUMBER:	0012V

SAMPLES:

Client Sample #:	Lab Sample #:	Matrix	VOA
047SB00901	703444	Soil	X
047CB00901	703520	Soil	X
047SB00902	703463	Soil	X
047SB01001	703485	Soil	X
047SB01101	703491	Soil	X
047SB01102	703497	Soil	X
515SB00101	704237	Soil	X
515SB00102	704281	Soil	X
515SB00202	704287	Soil	X
515SB00301	704304	Soil	X
515SB00302	704335	Soil	X
515SB00401	704359	Soil	X
515SB00402	704378	Soil	X
515SB00501	704384	Soil	X
515SB00502	704390	Soil	X
515SB00601	704202	Soil	X
515SB00602	704213	Soil	X
515CB00602	704229	Soil	X

Client Sample #:	Lab Sample #:	Matrix	VOA
GRDSB00401	703503	Soil	X
GRDSB00402	703509	Soil	X
515CB00602MS	703464MS	Soil	X
515CB00602MSD	703465MSD	Soil	X

C = FIELD DUPLICATE. MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

DATA REVIEWER(S): Amy L. Hogan, Marvin L. Smith

RELEASE SIGNATURE:

Data Qualifier Definitions:

J	-	The associated numerical value is an estimated quantity.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

CompuChem - 0012V Organics

SAMPLES: 047SB00901, 047CB00901, 047SB00902, 047SB01001, 047SB01101, 047SB01102, 515SB00101, 515SB00102, 515SB00202, 515SB00301, 515SB00302, 515SB00401, 515SB00402, 515SB00501, 515SB00502, 515SB00601, 515SB00602, 515CB00602, 515CB00602MS, 515CB00602MSD, GRDSB00401, GRDSB00402

VOLATILE ORGANICS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) GC/MS Tuning:

All GC/MS Tuning criteria were met, so no action was necessary.

III.) Calibration:

Initial Calibration:

The Average Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the initial calibration run on 4/12/95:

crotonaldehyde	0.009
isobutyl alcohol	0.008
1,4-dioxane	0.001
2-chloroethyl vinyl ether	0.030

The results for these compounds in the sample for this SDG, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) for the following compounds exceeded the 30% QC limit for the initial calibration run on 4/12/95:

isobutyl alcohol	69.1%
1,4-dioxane	90.2%
methylene chloride	56.4%
acetone	55.9%
propionitrile	31.9%

The results for isobutyl alcohol and 1,4-dioxane were previously rejected. The results for the other

compounds consisted entirely of non-detects, so no further action was required.

Continuing Calibration:

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 4/25/95 at 23:58:

crotonaldehyde	0.010
isobutyl alcohol	0.006
1,4-dioxane	0.001
2-chloroethyl vinyl ether	0.012

The results for these compounds were previously rejected using the initial calibration. No further action was necessary.

The Percent Differences (%D's) for the following compounds exceeded the 25% QC limit for the continuing calibration run on 4/25/95 at 23:58:

2-chloroethyl vinyl ether	58.4%
2-butanone	36.1%
1,1,1-trichloroethane	31.7%
carbon tetrachloride	30.5%
cis-1,3-dichloropropene	29.5%
2-hexanone	26.6%
1,1,2,2-tetrachloroethane	32.4%
trichlorofluoromethane	27.0%
methacrylonitrile	36.2%
methyl methacrylate	58.7%

The results for 2-chloroethyl vinyl ether in associated samples 047SB00901, 047SB00902, 047SB01001, 047SB01101, 047SB01102, GRDSB00401 and GRDSB00402 were previously rejected based on the initial calibration. The results for the other compounds in the associated samples, which consisted entirely of non-detects, were flagged as estimated (UJ).

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 4/27/95 at 03:07:

crotonaldehyde	0.027
isobutyl alcohol	0.013
1,4-dioxane	0.001
2-chloroethyl vinyl ether	0.015

The results for these compounds in the associated samples were previously rejected based on the initial calibration. No further action was necessary.

The Percent Differences (%D's) for the following compounds exceeded the 25% QC limit for the continuing calibration run on 4/27/95 at 03:07:

crotonaldehyde	197%
isobutyl alcohol	58.0%
1,4-dioxane	60.9%
2-chloroethyl vinyl ether	49.7%
2-butanone	127%
1,1,1-trichloroethane	42.0%
carbon tetrachloride	47.4%
dibromochloromethane	25.4%
4-methyl-2-pentanone	79.8%
2-hexanone	104%
1,1,2,2-tetrachloroethane	30.1%
acrolein	63.2%
trichlorofluoromethane	38.1%
acetonitrile	34.6%
acrylonitrile	56.5%
vinyl acetate	44.0%
propionitrile	77.4%
methacrylonitrile	72.0%
methyl methacrylate	77.8%
ethyl methacrylate	48.0%
1,2,3-trichloropropane	29.2%
trans-1,4-dichloro-2-butene	86.1%
1,2-dibromo-3-chloropropane	31.9%

The results for crotonaldehyde, isobutyl alcohol, 1,4-dioxane and 2-chloroethyl vinyl ether in the associated samples were previously rejected. The results for the other compounds in associated samples 515CB00602, 047CB00901, 515SB00601, 515SB00602, 515SB00101, 515SB00102, 515SB00202, 515SB00301 and 515SB00302, which consisted entirely of non-detects, were flagged as estimated (UJ).

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 4/27/95 at 22:48:

crotonaldehyde	0.012
isobutyl alcohol	0.006
1,4-dioxane	0.000
2-chloroethyl vinyl ether	0.015

The results for these compounds in the associated samples were previously rejected based on the initial calibration. No further action was necessary.

The Percent Differences (%D's) for the following compounds exceeded the 25% QC limit for the continuing calibration run on 4/27/95 at 22:48:

crotonaldehyde	34.8%
1,4-dioxane	73.3%
2-chloroethyl vinyl ether	50.1%
methylene chloride	53.6%
acetone	27.0%

2-butanone	60.4%
1,1,1-trichloroethane	35.6%
carbon tetrachloride	40.5%
4-methyl-2-pentanone	46.3%
2-hexanone	51.3%
1,1,2,2-tetrachloroethane	41.1%
acrolein	46.5%
trichlorofluoromethane	25.9%
3-chloropropene	29.4%
acrylonitrile	34.9%
methacrylonitrile	41.4%
methyl metacrylate	47.6%
ethyl methacrylate	28.1%
1,1,1,2-tetrachlorethane	28.5%
trans-1,4-dichloro-2-butene	58.9%

The results for crotonaldehyde, 1,4-dioxane and 2-chloroethyl vinyl ether in the associated samples were previously rejected based on the initial calibration. The results for the other compounds in associated samples 515SB00401, 515SB00402, 515SB0051 and 515SB00502, which consisted entirely of non-detects, were flagged as estimated (UJ).

IV.) Blanks:

Method Blanks:

Acetone and methylene chloride were both detected at 14.0 ug/kg VBLKA5. All positive results for these compounds in associated samples 047SB00901, 047SB00902, 047SB01001, 047SB01101, 047SB01102, GRDSB00401 and GRDSB00402 less than 10X the blank amounts were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample.

Methylene chloride, acetone and 1,2-dibromo-3-chloropropane were detected at 14.0 ug/kg, 11.0 ug/kg and 1.0 ug/kg, respectively, in soil blank VBLKA6. All positive results for methylene chloride and acetone in associated samples 047CB00901, 515SB00601, 515SB00602, 515CB00602 and 515SB00101 less than 10X the blank amounts were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample. There were no positive results for 1,2-dibromo-3-chloropropane in the associated samples, so no further action was required.

Acetone and methylene chloride were detected at 39.0 ug/kg and 23.0 ug/kg, respectively, in soil blank VBLKD8. All positive results for these compounds in associated samples 515SB000102, 515SB00202, 515SB00301 and 515SB00302 less than 10X the blank amounts were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample.

Acetone and methylene chloride were detected at 10.0 ug/kg and 13.0 ug/kg, respectively, in soil blank VBLKE2. All positive results for these compounds in associated samples 515SB00401, 515SB00402, 515SB00501 and 515SB00502 less than 10X the blank amounts were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No action was required.

VI.) Matrix Spike/Matrix Spike Duplicate (MS / MSD):

The Relative Percent Difference (RPD) for 1,1-dichloroethene (43%) exceeded the 22% QC limit for samples 515CB00602MS and 515CB00602MSD. The non-detect result for this compound in associated sample 515CB00602 was flagged as estimated (UJ).

VII.) Field Duplicates:

There were no calculable Relative Percent Differences (RPD's) for field duplicate sample pairs 047SB00901 / 047CB00901 and 515SB00602 / 515CB00602. No action was required.

VIII.) Internal Standards Performance:

All Internal Standards Performance criteria were met. No action was required.

IX.) TCL Compound Identification:

All TCL Compound Identification criteria were met, so no action was required.

X.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL's):

All CRQL criteria were met, so no action was required.

XI.) Tentatively Identified Compounds (TIC's):

All TIC criteria were met, so no action was taken.

XII.) System Performance:

All System Performance criteria were met, so no action was necessary.

XIII.) Overall Assessment of Data/General:

All results for isobutyl alcohol, crotonaldehyde, 1,4-dioxane and 2-chloroethyl vinyl ether were rejected due to low RRF's. All other laboratory data were acceptable with qualification.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422, Norcross, Ga. 30093

DATA VALIDATION SUMMARY REPORT

COMPANY:	Ensafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
PROJECT NUMBER:	8500.014
CONTRACTED LAB:	CompuChem Environmental Co.
QA/QC LEVEL:	Level III
EPA SOW/METHOD:	EPA 1990 SOW
VALIDATION GUIDELINES:	*National Functional Guidelines for Organic Data Review,* 1994; *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review,* 1994
SAMPLE MATRICES:	Soil and Water
TYPES OF ANALYSES:	Volatile Organics (VOA)
SDG NUMBERS:	0001V, 001VB, 0002V, 0003V

SAMPLES:

SDG: 0001V

Client Sample #:	Lab Sample #:	Matrix	VOA
510SB00502	690151	Soil	X
510CB00502	690180	Soil	X
512SB00301	690506	Soil	X
512CB00301	690528	Soil	X
512CB00301MS	690528MS	Soil	X
512CB0031MSD	690528MSD	Soil	X
GRDSB00201	689927	Soil	X
510SB00501	690145	Soil	X
510SB00202	690156	Soil	X
510SB00101	690161	Soil	X
510SB00102	690166	Soil	X
044CB00701	690189	Soil	X
510SB00201	690199	Soil	X
512SB00501	690501	Soil	X
512SB00301	690506	Soil	X
512SB00101	690515	Soil	X
512SB00401	690516	Soil	X

Client Sample #:	Lab Sample #:	Matrix	VOA
512SB00601	690523	Soil	X
5125B00202	690525	Soil	X
512SB00201	690524	Soil	X
GRDSB00101	690526	Soil	X
GRDSB00102	690527	Soil	X
GRDSB00601	690190	Soil	X

MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

SDG: 001VB

Client Sample #:	Lab Sample #:	Matrix	VOA
510TB00502	690146	Water	X
512TB00301	690471	Water	X
GRDTB00201	689903	Water	X
GRDEB00201	689874	Water	X
GRDDB00201	689898	Water	X

TB = TRIP BLANK, EB = EQUIPMENT BLANK, DB = DEIONIZED BLANK

SDG: 0002V

Client Sample #:	Lab Sample #:	Matrix	VOA
508SB00101	692023	Soil	X
508SB00401	692099	Soil	X
511SB00401	692105	Soil	X
511SB00101	692147	Soil	X
511SB00202	692158	Soil	X
511SB00102	692168	Soil	X
511SB00302	692184	Soil	X
511SB00502	692192	Soil	X
511CB00502	692134	Soil	X
511CB00502MS	692134MS	Soil	X
511CB00502MSD	692134MSD	Soil	X
511SB00201	692202	Soil	X
GRDSB00301	691123	Soil	X
GRDSB00801	691129	Soil	X
GRDSB00802	691135	Soil	X
GRDSB00501	691114	Soil	X
511SB00601	692010	Soil	X
508SB00501	692016	Soil	X
508SB00301	692029	Soil	X

Client Sample #:	Lab Sample #:	Matrix	VOA
508SB00402	692060	Soil	X
508SB00201	692036	Soil	X
508SB00601	692042	Soil	X

C = FIELD DUPLICATE, MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

SDG: 0003V

Client Sample #:	Lab Sample #:	Matrix	VOA
GRDSB00901	696971	Soil	X
GRDSB00901MS	692227MS	Soil	X
GRDSB00901MSD	692228MSD	Soil	X
511SB00301	692226	Soil	X
511SB00602	692239	Soil	X
511SB00501	692254	Soil	X
508CB00601	692248	Soil	X
047SB00501	697009	Soil	X
GRDSB00902	697004	Soil	X
047SB00502	697015	Soil	X
047SB00601	697021	Soil	X

C = FIELD DUPLICATE, MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

DATA REVIEWER(S): Amy L. Hogan, Marvin L. Smith

RELEASE SIGNATURE:

Data Qualifier Definitions:

J	-	The associated numerical value is an estimated quantity.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

CompuChem - 0001V Organics

SAMPLES: 510SB00502, 510CB00502, 512SB00301, 512CB00301, 512SB00301MS, 512SB00301MSD, GRDSB00201, 510SB00501, 510SB00202, 510SB00101, 510SB00102, 044CB00701, 510SB00201, 512SB00501, 512SB00101, 512SB00301, 512SB00401, 512SB00601, 512SB00201, 512SB00202, GRDSB00101, GRDSB00102, GRDSB00601

VOLATILE ORGANICS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) GC/MS Tuning:

All GC/MS Tuning criteria were met, so no action was necessary.

III.) Calibration:

Initial Calibration:

The Average Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the initial calibration run on 3/16/95 on instrument OWA13:

isobutyl alcohol	0.009
1,4-dioxane	0.002
crotonaldehyde	0.014

The results for these compounds in associated samples 512SB00201, 512SB00202, GRDSB00101, GRDSB00102 and 512CB00301, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) of the following compounds exceeded the 30% QC limit for the initial calibration run on 3/16/95 on instrument OWA13:

acetone	40.8%
isobutyl alcohol	39.6%
1,4-dioxane	114%
methylene chloride	44.3%
trichlorofluoromethane	33.8%
propionitrile	71.9%

methacrylonitrile	40.2%
methyl methacrylate	35.6%

The positive results for acetone in the associated samples were flagged as estimated (J). The results for isobutyl alcohol and 1,4-dioxane in the associated samples were previously rejected due to low RRF's. There were no positive associated samples results for the other compounds. No further action was required.

The Average Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the initial calibration run on 3/17/95 on instrument OWA13:

crotonaldehyde	0.013
isobutyl alcohol	0.013
1,4-dioxane	0.002

The results for these compounds in associated samples 044CB00701, 510SB00201, 510SB00501, 510SB00502, 512SB00202, 510SB00101, 510SB00102, 510CB00502, 512SB00201, 512SB00301, 512SB00101, 512SB00401, 512SB00601 and GRDSB00601, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) for the following compounds exceeded the 30% QC limit for the initial calibration run on 3/17/95 on instrument OWA13:

isobutyl alcohol	41.6%
1,4-dioxane	76.0%
methylene chloride	51.0%
acetone	54.5%

The positive results for acetone and methylene chloride in the associated samples listed above were flagged as estimated (J). The results for the other compounds were previously rejected.

The Average Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the initial calibration run on 3/16/95 on instrument F50056:

crotonaldehyde	0.008
isobutyl alcohol	0.015
1,4-dioxane	0.001

The results for these compounds in associated sample GRDSB00201, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) of the following compounds exceeded the 30% QC limit for the initial calibration run on 3/16/95 on instrument F50056:

crotonaldehyde	58.9%
isobutyl alcohol	39.2%
1,4-dioxane	57.4%
methylene chloride	76.1%
acetone	97.4%

There were no positive results for acetone and methylene chloride in the associated sample. The results for the other compounds were previously rejected.

Continuing Calibration:

The Relative Response Factors (RRF's) for the following compounds exceeded the 0.050 QC limit for the Continuing Calibration run on 3/19/95 at 19:04 on instrument OWA13:

isobutyl alcohol	0.011
1,4-dioxane	0.001
crotonaldehyde	0.015

The results for these compounds were previously rejected using the associated initial calibration.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 3/19/95 at 19:04 on instrument OWA13:

1,4-dioxane	62.2%
methylene chloride	64.6%
4-methyl-2-pentanone	44.5%
dibromomethane	28.9%
1,2,3-trichloropropane	30.8%
1,2-dibromo-3-chloropropane	25.2%

The results for 1,4-dioxane in the associated samples were previously rejected. The results for the other compounds in associated samples 044CB00701, 510SB00201, 510SB00501, 510SB00202, 510SB00101, 510SB00102, 510CB00502, 512SB00501, 512SB00301, 512SB00101, 512SB00401 and 512SB00601, which consisted entirely of non-detects, were flagged as estimated (UJ).

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 3/20/95 at 06:41 on instrument OWA13:

crotonaldehyde	0.009
isobutyl alcohol	0.005
1,4-dioxane	0.000

The results for these compounds in the associated samples were previously rejected.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 3/20/95 at 06:41 on instrument OWA13:

crotonaldehyde	36.4%
isobutyl alcohol	47.7%
1,4-dioxane	93.0%
methylene chloride	38.0%
acetone	44.1%
2-butanone	31.0%
acrolein	35.9%
propionitrile	51.5%
methacrylonitrile	38.2%
3-chloropropene	30.6%
acetonitrile	31.5%
acrylonitrile	27.5%
vinyl acetate	38.7%

The results for crotonaldehyde, isobutyl alcohol and 1,4-dioxane in the associated samples were previously rejected. The results for the other compounds in associated samples 512SB00201, 512SB00202, GRDSB00101, GRDSB00102 and 512CB00301, which consisted entirely of non-detects, were flagged as estimated (UJ).

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 3/21/95 at 19:51 on instrument OWA13:

crotonaldehyde	0.014
isobutyl alcohol	0.010
1,4-dioxane	0.001

The results for these compounds in the associated sample were previously rejected (R).

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 3/21/95 at 19:51 on instrument OWA13:

1,4-dioxane	48.6%
chloromethane	32.1%
methylene chloride	62.1%
acetone	27.9%
carbon disulfide	46.0%
3-chloropropene	52.3%

The result for 1,4-dioxane in associated sample GRDSB00601 was previously rejected. The results for the other compounds in this sample, which consisted entirely of non-detects, were flagged as estimated (UJ).

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 3/17/95 at 04:12 on instrument F50056:

crotonaldehyde	0.009
isobutyl alcohol	0.015
1,4-dioxane	0.001

The results for these compounds in the associated sample were previously rejected (R).

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 3/17/95 at 04:12 on instrument F50056:

1,4-dioxane	26.6%
methylene chloride	40.2%
acetone	93.9%
acetonitrile	26.5%

The result for 1,4-dioxane in associated sample GRDSB00201 was previously rejected. The results for the other compounds in this sample, which consisted entirely of non-detects, were flagged as estimated (UJ).

IV.) Blanks:

Method Blanks:

Methylene chloride was detected at 11 ug/kg in soil blank VBLKG6. The result for this compound in associated sample GRDSB00201, which was less than 10X the blank amount, was flagged as undetected (U) with the detection limit being raised to the level of contamination in the sample.

Methylene chloride was detected at 7 ug/kg in soil blank VBLKJ8. The results for this compound in associated samples 510SB00501, 510SB00502, 510SB00202, 510SB00101, 510SB00102, 510CB00502, 044CB00701 and 510SB00201 less than 10X the blank amount were flagged as undetected with the detection limit being raised to the level of contamination in each sample.

Methylene chloride was detected at 7 ug/kg in soil blank VBLKL7. The results for this compound in associated samples 512SB00201, 512SB00202, GRDSB00101, GRDSB00102 and 512CB00301 less than 10X the blank amount were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample.

Acetone and methylene chloride were detected at 15 ug/kg and 14 ug/kg, respectively, in soil blank VBLKL6. The results for these compounds in associated samples 512SB00501, 512SB00301, 512SB00101, 512SB00401 and 512SB00601 less than 10X the blank amounts were flagged undetected (U) with the detection limit being raised to the level of contamination in each sample.

Methylene chloride was detected at 21 ug/kg in soil blank VBLKT3. The result for this compound in associated sample GRDSB00601, which was less than 10X the blank amount, was flagged as undetected (U) with the detection limit being raised to the level of contamination in the sample.

Field Blanks:

Acetone, chloroform and 1,2-dichloropropane were detected at various levels in GRDTB00201, GRDEB00201 and GRDDB00201, analyzed in SDG 0001V. The results for acetone in the associated samples were previously flagged based on the associated method blank. There were no positive results for the other compounds in the associated samples. No action was necessary.

Acetone and chloroform were detected at 10 ug/L and 7 ug/L, respectively, in trip blank 510TB00502, analyzed in SDG 0001V. There were no positive results for these compounds in the associated samples. No action was required.

Methylene choride and chloroform were detected at 2 ug/L and 8 ug/L, respectively, in trip blank 512TB00802, analyzed in SDG 002VB. The results for methylene chloride in the associated samples were previously flagged based on the method blanks. There were no positive results for chloroform in the associated samples. No action was required.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No action was required.

VI.) Matrix Spike/Matrix Spike Duplicate (MS / MSD):

All MS / MSD criteria were met. No action was necessary.

VII.) Field Duplicates:

There were no calcuable Relative Percent Differences (RPD's) for field duplicate sample pairs 510SB00502 / 510CB00502 and 512SB00301/ 512CB00301. No action was required.

VIII.) Internal Standards Performance:

All Internal Standards Performance criteria were met. No action was required.

IX.) TCL Compound Identification:

All TCL Compound Identification criteria were met, so no action was required.

X.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL's):

All CRQL criteria were met, so no action was required.

XI.) Tentatively Identified Compounds (TIC's):

All TIC criteria were met, so no action was taken.

XII.) System Performance:

All System Performance criteria were met, so no action was necessary.

XIII.) Overall Assessment of Data/General:

All results for isobutyl alcohol, crotonaldehyde and 1,4-dioxane were rejected due to low RRF's. All other laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

CompuChem - 001VB Organics

SAMPLES: 510TB00502, 512TB00301, GRDTB00201, GRDEB00201, GRDDB00201

VOLATILE ORGANICS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) GC/MS Tuning:

All GC/MS Tuning criteria were met, so no action was necessary.

III.) Calibration:

Initial Calibration:

The Average Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the initial calibration run on 3/15/95 on instrument F50052:

isobutyl alcohol	0.007
1,4-dioxane	0.002
crotonaldehyde	0.008

The results for these compounds in the associated samples (all samples for this SDG), which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) of the following compounds exceeded the 30% QC limit for the initial calibration run on 3/15/95 on instrument F50052:

isobutyl alcohol	37.2%
1,4-dioxane	101%

The results for these compounds in the associated sample were previously rejected due to low RRF's. No further action was required.

Continuing Calibration:

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 3/16/95 at 21:41 on instrument F50052:

isobutyl alcohol	0.010
1,4-dioxane	0.001
crotonaldehyde	0.017

The results for these compounds were previously rejected using the initial calibration.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 3/16/95 at 21:41 on instrument F50052:

isobutyl alcohol	30.2%
1,4-dioxane	30.9%

The results for these compounds were previously rejected based on the initial calibration.

IV.) Blanks:

Method Blanks:

Methylene chloride was detected at 1 ug/L in water blank VBLKK4. Since the associated samples were field blanks, no action was necessary.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No action was required.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

There were no MS / MSD analyses for this SDG. No action was necessary.

VII.) Field Duplicates:

There were no field duplicate samples associated with this SDG. No action was required.

VIII.) Internal Standards Performance:

All Internal Standards Performance criteria were met. No action was required.

IX.) TCL Compound Identification:

All TCL Compound Identification criteria were met, so no action was required.

X.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL's):

All CRQL criteria were met, so no action was required.

XI.) Tentatively Identified Compounds (TIC's):

All TIC criteria were met, so no action was taken.

XII.) System Performance:

All System Performance criteria were met, so no action was necessary.

XIII.) Overall Assessment of Data/General:

All results for isobutyl alcohol, crotonaldehyde and 1,4-dioxane were rejected due to low RRF's. All other laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

CompuChem - 0002V Organics

SAMPLES: 508SB00101, 511CB00502, 511CB00502MS, 511CB00502MSD, 511CB00502, 508SB00401, 511SB00401, 511SB00101, 511SB00202, 511SB00102, 511SB00302, 511SB00201, GRDSB00301, GRDSB00801, GRDSB00802, GRDSB00501, 511SB00601, 508SB00501, 508SB00301, 508SB00402, 508SB00201, 508SB00601

VOLATILE ORGANICS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) GC/MS Tuning:

All GC/MS Tuning criteria were met, so no action was necessary.

III.) Calibration:

Initial Calibration:

The Average Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the initial calibration run on 3/17/95 on instrument OWA13:

isobutyl alcohol	0.006
1,4-dioxane	0.001
crotonaldehyde	0.010

The results for these compounds in associated samples GRDSB00301, GRDSB00801, GRDSB00802 and GRDSB00501, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) of the following compounds exceeded the 30% QC limit for the initial calibration run on 3/17/95 on instrument OWA13:

acetone	54.5%
isobutyl alcohol	41.6%
1,4-dioxane	76.0%
methylene chloride	51.0%

There were no positive results for acetone and methylene chloride in the associated samples. The results for the other compounds in the associated samples were previously rejected due to low RRF's. No further action was required.

The Average Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the initial calibration run on 3/24/95 on instrument OWA13:

crotonaldehyde	0.010
isobutyl alcohol	0.006
1,4-dioxane	0.001

The results for these compounds in associated samples 508SB00101, 511SB0052, 511CB00502, 508SB00401, 511SB00401, 511SB00101, 511SB00202, 511SB0012, 511SB00302, 511SB00201, 511SB00601, 508SB00501, 508SB00301, 508SB00402, 508SB00201 and 508SB00601, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) of the following compounds exceeded the 30% QC limit for the initial calibration run on 3/24/95 on instrument OWA13:

isobutyl alcohol	31.6%
1,4-dioxane	96.9%
methylene chloride	36.7%
acetone	47.5%
2-butanone	30.8%

The results for isobutyl alcohol and 1,4-dioxane were previously rejected due to low RRF's. The results for the other compounds consisted entirely of non-detects. No action was required.

Continuing Calibration:

The Relative Response Factors (RRF's) for the following compounds were below 0.050 QC limit for the continuing calibration run on 3/21/95 at 00:33 on instrument OWA13:

crotonaldehyde	0.011
isobutyl alcohol	0.005
1,4-dioxane	0.000

The results for these compounds were previously rejected using the initial calibration.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 3/21/95 at 00:33 on instrument OWA13:

4-methyl-2-pentanone	26.1%
1,4-dioxane	87.3%
isobutyl alcohol	62.3%
methylene chloride	43.9%
carbon disulfide	25.7%
propionitrile	32.0%

The results for 4-methyl-2-pentanone, methylene chloride, carbon disulfide and propionitrile in associated samples GRDSB00301, GRDSB00801, GRDSB00802 and GRDSB00501, which consisted entirely of non-detects, were flagged as estimated (UJ). The results for the other compounds were previously rejected (R).

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 3/25/95 at 01:37 on instrument OWA13:

propionitrile	0.037
crotonaldehyde	0.007
isobutyl alcohol	0.002
1,4-dioxane	0.000

The results for propionitrile in associated samples 511SB00601, 508SB00501, 508SB00301, 508SB00402, 508SB00201, 508SB00601, 511CB00502, 508SB00401, 511SB00401, 511SB00101, 511SB00202, 511SB00102, 511SB00302, 511SB00502 and 511SB00201, which consisted entirely of non-detects, were rejected (R). The results for the other compounds were previously rejected based on the initial calibration.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 3/25/95 at 01:37 on instrument OWA13:

propionitrile	26.4%
crotonaldehyde	30.1%
isobutyl alcohol	60.3%
1,4-dioxane	70..3%
acetone	32.7%

The positive and non-detect results for acetone in the associated samples were flagged as estimated (J) and (UJ). The results for the other compounds were previously rejected.

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 3/30/95 at 15:01 on instrument OWA13:

propionitrile	0.048
crotonaldehyde	0.007
isobutyl alcohol	0.004
1,4-dioxane	0.000

The non-detect result for propionitrile in associated sample 508SB00101 was rejected (R). The results for the other compounds were previously rejected.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 3/30/95 at 15:01 on instrument OWA13:

crotonaldehyde	25.8%
isobutyl alcohol	33.2%
1,4-dioxane	68.4%
bromomethane	32.5%
chloroethane	59.0%
acetone	25.9%
2-butanone	26.2%
1,1,1-trichloroethane	27.9%
carbon tetrachloride	36.8%
dibromochloromethane	27.6%
trans-1,3-dichloropropene	38.2%
bromoform	32.6%
2-hexanone	32.3%
vinyl acetate	75.3%
ethyl methacrylate	31.7%
cis-1,4-dichloro-2-butene	43.3%
trans-1,4-dichloro-2-butene	44.4%
1,2-dibromo-3-chloropropane	39.2%

The results for crotonaldehyde, isobutyl alcohol and 1,4-dioxane in the associate sample were previously rejected. The results for the other compounds in associated sample 508SB00101, which consisted entirely of non-detects, were flagged as estimated (UJ).

IV.) Blanks:

Method Blanks:

Acetone and methylene chloride were detected at 32 ug/kg and 17 ug/kg, respectively, in soil blank VBLK07. The results for these compounds in sample 508SB00101, which were less than 10X the blank amounts, were flagged as undetected (U) with the detection limits being raised to the level of contamination in the sample.

Methylene chloride was detected at 17 ug/kg in soil blank VBLKA4. All positive results for this compound in associated samples 511CB00502, 508SB00401, 511SB00401, 511SB00101, 511SB00202, 511SB00102, 511SB00302, 511SB00502 and 511SB00201 less than 10X the blank amount were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample.

Acetone and methylene chloride were detected at 24 ug/kg and 20 ug/kg, respectively, in soil blank VBLKR6. All positive results for these compounds in associated samples GRDSB00301, GRDSB00801, GRDSB00802 and GRDSB00501 less than 10X the blank amounts were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample.

Methylene chloride was detected at 17 ug/kg in soil blank VBLKZ9. All positive results for this compound in associated samples 511SB00601, 508SB00501, 508SB00301, 508SB00402, 508SB00201 and 508SB00601 less than 10X the blank amount were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample.

Trip Blanks:

Methylene chloride and chloroform were detected at 2 ug/L and 8 ug/L, respectively, in associated trip blank GRDTB00802, which was analyzed in SDG 002VB. All positive results for methylene chloride were previously flagged based on the associated method blanks. There were no positive detections of chloroform in the associated samples. No action was required.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No further action was required.

VI.) Matrix Spike/Matrix Spike Duplicate (MS / MSD):

All MS / MSD criteria were met. No action was necessary.

VII.) Field Duplicates:

There were no calcuable Relative Percent Differences (RPD's) for the field duplicate samples 511SB00502 and 511CB00502. No action was required.

There were no calcuable Relative Percent Differences (RPD's) for field duplicate samples 508SB00601 and 508CB00601, which was analyzed in SDG 0003V. No action was required.

VIII.) Internal Standards Performance:

All Internal Standards Performance criteria were met. No action was required.

IX.) TCL Compound Identification:

All TCL Compound Identification criteria were met, so no action was required.

X.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL's):

All CRQL criteria were met, so no action was required.

XI.) Tentatively Identified Compounds (TIC's):

All TIC criteria were met, so no action was taken.

XII.) System Performance:

All System Performance criteria were met, so no action was necessary.

XIII.) Overall Assessment of Data/General:

All results for isobutyl alcohol, crotonaldehyde and 1,4-dioxane were rejected due to low RRF's. All other laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

CompuChem - 0003V Organics

SAMPLES: GRDSB00901, GRDSB00901MS, GRDSB00901MSD, 511SB00301, 511SB00602, 511SB00501, 508CB00601, 047SB00501, GRDSB00902, 047SB00502, 047SB00601

VOLATILE ORGANICS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) GC/MS Tuning:

All GC/MS Tuning criteria were met, so no action was necessary.

III.) Calibration:

Initial Calibration:

The Average Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the initial calibration run on 3/24/95 on instrument OWA13:

crotonaldehyde	0.010
isobutyl alcohol	0.006
1,4-dioxane	0.001

The results for these compounds in associated samples 511SB00301, 511SB00602, 511SB00501 and 508CB00601, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) of the following compounds exceeded the 30% QC limit for the initial calibration run on 3/24/95 on instrument OWA13:

isobutyl alcohol	31.6%
1,4-dioxane	96.9%
methylene chloride	36.7%
acetone	47.5%
2-butanone	30.8%

The results for isobutyl alcohol and 1,4-dioxane were previously rejected due to low RRF's. The results for the other compounds consisted entirely of non-detects. No further action was required.

The Average Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the initial calibration on 4/07/95 on instrument OWA13:

isobutyl alcohol	0.004
1,4-dioxane	0.000
crotonaldehyde	0.011
2-chloroethyl vinyl ether	0.029

The results for these compounds in associated samples GRDSB00901, GRDSB00902, 047SB00502 and 047SB00601, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) of the following compounds exceeded the 30% QC limit for the initial calibration on 4/07/95 on instrument OWA13:

acetone	32.4%
1,4-dioxane	30.7%
2-chloroethyl vinyl ether	30.1%
methylene chloride	38.1%

Since there were no positive results for acetone and methylene chloride, no action was necessary. The results for the other compounds in the associated sample were previously rejected due to low RRF's. No further action was required.

The Average Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the initial calibration run on 4/12/95 on instrument OWA13:

crotonaldehyde	0.009
isobutyl alcohol	0.008
1,4-dioxane	0.001
2-chloroethyl vinyl ether	0.030

The results for these compounds in associated sample 047SB00501, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) of the following compounds exceeded the 30% QC limit for the initial calibration run on 4/12/95 on instrument OWA13:

isobutyl alcohol	69.1%
1,4-dioxane	90.2%
methylene chloride	56.4%
acetone	55.9%
propionitrile	31.9%

There were no associated positive sample results for acetone, methylene chloride and propionitrile. The results for the other compounds in the associated sample were previously rejected. No further action was required.

Continuing Calibration:

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 3/26/95 at 08:27 on instrument OWA13:

propionitrile	0.048
crotonaldehyde	0.013
isobutyl alcohol	0.004
1,4-dioxane	0.000

The results for propionitrile in associated samples 511SB00301, 511SB00602, 511SB00501 and 508CB00601, which consisted entirely of non-detects, were rejected (R). The results for the other compounds were previously rejected using the initial calibration.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 3/26/95 at 08:27 on instrument OWA13:

crotonaldehyde	32.9%
isobutyl alcohol	40.3%
1,4-dioxane	54.4%
methylene chloride	26.0%
chloroethane	25.0%
trans-1,3-dichloropropene	25.3%
2-hexanone	36.1%

The results for crotonaldehyde, isobutyl alcohol and 1,4-dioxane were previously rejected. The results for the other compounds in the associated samples, which consisted entirely of non-detects, were flagged as estimated (UJ).

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 4/08/95 at 06:09 on instrument OWA13:

crotonaldehyde	0.013
isobutyl alcohol	0.003
1,4-dioxane	0.000
2-chloroethyl vinyl ether	0.020

The results for these compounds in the associated samples were previously rejected based on the initial calibration.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 4/08/95 at 06:09 on instrument OWA13:

1,4-dioxane	45.9%
isobutyl alcohol	30.6%
2-chloroethyl vinyl ether	31.3%
methylene chloride	26.9%
methyl methacrylate	26.8%

trans-1,3-dichloro-2-butene	27.2%
1,2-dibromo-3-chloropropane	25.9%

The results for methylene chloride, methyl methacrylate, trans-1,3-dichloro-2-butene and 1,2-dibromo-3-chloropropane in associated sample GRDSB00901, which consisted entirely of non-detects, were flagged as estimated (UJ). The results for the other compounds were previously rejected (R).

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 4/08/95 at 22:00 on instrument OWA13:

crotonaldehyde	0.014
isobutyl alcohol	0.005
1,4-dioxane	0.000
2-chloroethyl vinyl ether	0.020

The results for these compounds were previously rejected based on the initial calibration.

The Percent Differences (%D's) of the following compounds exceeded the 30% QC limit for the continuing calibration run on 4/08/95 at 22:00 on instrument OWA13:

2-chloroethyl vinyl ether	30.9%
2-butanone	29.4%

The results for 2-butanone in associated samples GRDSB00902, 047SB00502 and 047SB00601, which consisted entirely of non-detects, were flagged as estimated (UJ). The results for the other compound were previously rejected.

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 4/12/95 at 13:53 on instrument OWA13:

crotonaldehyde	0.011
isobutyl alcohol	0.008
1,4-dioxane	0.001
2-chloroethyl vinyl ether	0.035

The results for these compounds were previously rejected based on the initial calibration.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 4/12/95 at 13:53 on instrument OWA13:

methylene chloride	32.9%
2-butanone	37.7%

The results for these compounds in associated samples 047SB00501, which consisted entirely of non-detects, were flagged as estimated (UJ).

IV.) Blanks:

Method Blanks:

Methylene chloride was detected at 9 ug/kg in soil blank VBLKC6. All positive results for this compound in associated samples 511SB00301, 511SB00602, 511SB00501 and 508CB00601 less than 10X the blank amount were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample.

Methylene chloride was detected at 9 ug/kg in soil blank VBLKC8. The positive result for this compound in associated sample 047SB00501, which was less than 10X the blank amounts, was flagged as undetected (U) with the detection limit being raised to the level of contamination in the sample.

Acetone and methylene chloride were detected at 7 ug/kg and 9 ug/kg, respectively, in soil blank VBLKR9. All positive results for these compounds in associated sample GRDSB00901 less than 10X the blank amount were flagged as undetected (U) with the detection limit being raised to the level of contamination in the sample.

Acetone and methylene chloride were detected at 5 ug/kg and 6 ug/kg, respectively, in soil blank VBLKS2. All positive results for these compounds in associated samples GRDSB00902, 047SB00502 and 047SB00601 less than 10X the blank amounts were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No action was required.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

The Relative Percent Differences (RPD's) of toluene (24%) and chlorobenzene (25%) exceeded the 21% QC limit for GRDSB00901MS and GRDSB00901MSD. The non-detect results for these two compounds in sample GRDSB00901 were flagged as estimated (UJ).

VII.) Field Duplicates:

There were no calcuable Relative Percent Differences (RPD's) for field duplicate samples 508CB00601 and 508SB00601 (analyzed in SDG 0002V). No action was required.

VIII.) Internal Standards Performance:

All Internal Standards Performance criteria were met. No action was required.

IX.) TCL Compound Identification:

All TCL Compound Identification criteria were met, so no action was required.

X.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL's):

All CRQL criteria were met, so no action was required.

XI.) Tentatively Identified Compounds (TIC's):

All TIC criteria were met, so no action was taken.

XII.) System Performance:

All System Performance criteria were met, so no action was necessary.

XIII.) Overall Assessment of Data/General:

All results for isobutyl alcohol, crotonaldehyde, 2-chloroethyl vinyl ether and 1,4-dioxane were rejected due to low RRF's. All other laboratory data were acceptable with qualification.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422, Norcross, Ga. 30093

DATA VALIDATION SUMMARY REPORT

COMPANY:	Ensafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
PROJECT NUMBER:	8500.014
CONTRACTED LAB:	CompuChem Environmental Corporation.
QA/QC LEVEL:	Level III
EPA SOW/METHOD:	EPA 1990 SOW
VALIDATION GUIDELINES:	*USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review,* 1994
SAMPLE MATRIX:	Water
TYPES OF ANALYSES:	Volatile Organics (VOA)
SDG NUMBERS:	0017V, 0018V, 017TB, 021VB

SAMPLES:

SDG NUMBER: 0017V

Client Sample #:	Lab Sample #:	Matrix	VOA
047GW00101	731747	Water	X
047GW00201	731760	Water	X
047GW00301	731715	Water	X
047GW00501	731832	Water	X
047GW00701	731693	Water	X
047GW00801	732675	Water	X
047GW00901	732688	Water	X
047GW01001	731675	Water	X
047GW01201	732663	Water	X
047GW01301	731740	Water	X
047GW01501	732644	Water	X
510GW00101	730796	Water	X
510GW00201	730794	Water	X

Client Sample #:	Lab Sample #:	Matrix	VOA
523GW00201	730795	Water	X
GDCDW00101	730789	Water	X
GDCEW00101	730791	Water	X
GDCFW00101	730792	Water	X
GDCGW00101	730785	Water	X
GDCGW01D01	730793	Water	X
GDCGW02D01	731341	Water	X
047GW00301MS	730786MS	Water	X
047GW00301MSD	730787MSD	Water	X

DW = DEIONIZED BLANK, E = EQUIPMENT BLANK, F = FIELD BLANK,
MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

SDG: 0018V

Client Sample #:	Lab Sample #:	Matrix	VOA
044HW00401	731332	Water	X
047GW00401	733197	Water	X
047GW00601	732733	Water	X
047GW01101	732702	Water	X
047HW00501	731849	Water	X
523GW00101	732761	Water	X
523HW00101	732772	Water	X

H = FIELD DUPLICATE

SDG: 017TB

Client Sample #:	Lab Sample #:	Matrix	VOA
044TW00401	731340	Water	X
047TW00501	731792	Water	X
523TW00101	732783	Water	X
523TW00201	730818	Water	X

T = TRIP BLANK

SDG: 021VB

Client Sample #:	Lab Sample #:	Matrix	VOA
GDCTB04501	736436	Water	X
518TB00601	736671	Water	X

T = TRIP BLANK

DATA REVIEWER(S): Amy L. Hogan, Marvin L. Smith

RELEASE SIGNATURE:

Data Qualifier Definitions

J	-	The association numerical value is an estimated quantity.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

CompuChem Enviromental Corp. - 0017V Organics

SAMPLES: 047GW00101, 047GW00201, 047GW00301, 047GW00301MS, 047GW00301MSD, 047GW00501, 047GW00701, 047GW00801, 047GW00901, 047GW01001, 047GW01201, 047GW01301, 047GW01501, 510GW00101, 510GW00201, 523GW00201, GDCDW00101, GDCEW00101, GDCFW00101, GDCGW00101, GDCGW01D01, GDCGW02D01

VOLATILE ORGANICS

I.) Holding Times:

The number of days between sampling and analysis of the following samples exceeded the 7 day QC limit:

047GW00101	10 days
047GW00201	10 days
047GW00301	9 days
047GW00501	10 days
047GW00701	8 days
047GW00801	9 days
047GW00901	9 days
047GW01001	8 days
047GW01201	9 days
047GW01301	10 days
047GW01501	9 days
510GW00101	9 days
GDCGW02D01	9 days

All positive and non-detect results for these samples were flagged as estimated (J) and (UJ).

II.) GC/MS Tuning:

All GC/MS Tuning criteria were met, so no action was necessary.

III.) Calibration:

Initial Calibration:

The Average Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the initial calibration run on 6/22/95 on instrument F50052:

crotonaldehyde	0.012
isobutyl alcohol	0.014
1,4-dioxane	0.002
2-chloroethyl vinyl ether	0.005

The results for these compounds in associated samples 510GW00101, GDCGW02D01, 047GW01001, 047GW00701, 047GW00301, 047GW01301, 047GW00101, 047GW00201, 047GW00501, 047GW01501, 047GW01201, 047GW00801 and 047GW00901, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) of the following compounds exceeded the 30% QC limit for the initial calibration run on 6/22/95 on instrument F50052:

crotonaldehyde	49.8%
2-chloroethyl vinyl ether	49.4%
acetone	32.9%

The results for crotonaldehyde and 2-chloroethyl vinyl ether were previously rejected. All results for acetone in the associated samples were previously flagged based on holding times. No further action was necessary.

The Average Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the initial calibration run on 6/15/95 on instrument F50054:

propionitrile	0.045
crotonaldehyde	0.006
isobutyl alcohol	0.006
methyl methacrylate	0.045
1,4-dioxane	0.003

The results for these compounds in associated samples GDCEW00101, GDCDW00101, GDCGW00101, GDCFW00101, GDCGW01D01, 510GW00201 and 523GW00201, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) for the following compounds exceeded the 30% QC limit for the initial calibration run on 6/15/95 on instrument F50054:

isobutyl alcohol	61.2%
1,4-dioxane	69.8%

The results for these compounds in the associated sample were previously rejected. No further action was required.

Continuing Calibration:

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 6/22/95 at 18:52 on instrument F50052:

isobutyl alcohol	0.016
1,4-dioxane	0.003
crotonaldehyde	0.024
2-chloroethyl vinyl ether	0.008

The results for these compounds were previously rejected using the initial calibration. No further action was required.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 6/22/95 at 18:52 on instrument F50052:

crotonaldehyde	99.9%
2-chloroethyl vinyl ether	46.6%

The results for these compounds in the associated samples were previously rejected based on the initial calibration. No further action was required.

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 6/23/95 at 20:20 on instrument F50052:

crotonaldehyde	0.011
isobutyl alcohol	0.015
1,4-dioxane	0.002
2-chloroethyl vinyl ether	0.049

The results for these compounds in the associated samples were previously rejected. No further action was required.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 6/23/95 at 20:20 on instrument F50052:

1,4-dioxane	27.2%
2-chloroethyl vinyl ether	801%
acetone	31.3%
1,2-dichloroethane	37.6%
1,1,1-trichloroethanbe	34.5%
carbon tetrachloride	30.3%
bromodichloromethane	25.1%
bromoform	33.1%
trichlorofluoromethane	62.0%
1,1,1,2-tetrachloroethane	25.5%
cis-1,4-dichloro-2-butene	25.4%

The results for 1,4-dioxane and 2-chloroethyl vinyl ether in the associated samples were previously rejected based on the initial calibration. No other action was taken since the associated samples were previously flagged based on holding times.

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 6/24/95 at 11:04 on instrument F50052:

crotonaldehyde	0.018
isobutyl alcohol	0.009
1,4-dioxane	0.001
2-chloroethyl vinyl ether	0.033

The results for these compounds were previously rejected using the initial calibration. No further action was necessary.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 6/24/95 at 11:04 on instrument F50052:

crotonaldehyde	46.7%
isobutyl alcohol	33.7%
1,4-dioxane	63.7%
2-chloroethyl vinyl ether	513%
1,2-dichloroethane	32.6%
2-butanone	30.3%
1,1,1-trichloroethane	41.1%
carbon tetrachloride	40.7%
bromodichloromethane	27.6%
dibromochloromethane	27.3%
bromoform	49.3%
trichlorofluoromethane	46.3%
1,1,1,2-tetrachloroethane	31.7%
1,3-dichlorobenzene	30.1%
1,4-dichlorobenzene	37.6%
1,2-dichlorobenzene	36.4%

The results for the first four compounds listed were previously rejected in the associated samples based on the initial calibration. The results for the other compounds in the associated samples were previously flagged as estimated (J) and (UJ) based on holding times. No further action was taken.

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 6/16/95 at 10:04 on instrument F50054:

crotonaldehyde	0.007
isobutyl alcohol	0.003
methyl methacrylate	0.042
cis-1,4-dichloro-2-butene	0.020
trans-1,4-dichloro-2-butene	0.021

The results for cis-1,4-dichloro-2-butene and trans-1,4-dichloro-2-butene in associated samples GDCGW00101, GDCDW00101, GDCEW00101, GDCFW00101, GDCGW01D01, 510GW00201 and 523GW00201, which consisted entirely of non-detects, were rejected (R). The results for the other compounds were previously rejected based on the initial calibration. No further action was required.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 6/16/95 at 10:04 on instrument F50054:

isobutyl alcohol	50.1%
1,4-dioxane	73.1%
cis-1,4-dichloro-2-butene	65.6%
trans-1,4-dichloro-2-butene	62.2%
acetone	45.8%
propionitrile	26.0%

All results for acetone in the associated samples were flagged as estimated (J). The results for the other compounds in the associated samples were previously rejected. No further action was required. The associated field blank data were not qualified.

IV.) Blanks:

Method Blanks:

Methylene chloride was detected at 2.0 ug/L in water method blank VBLKP5. All positive results for this compound in associated samples 047GW01301, 047GW00101, 047GW00201 and 047GW00501 less than 10X the blank amount were flagged as undetected (U) with laboratory results below CRQL being replaced with the CRQL.

Methylene chloride and 1,2-dibromo-3-chloropropane were both detected at 1.0 ug/L in water blank method VBLKS5. All positive results for methylene chloride in associated samples GDCGW01D01, 510GW00201, 523GW00201 and GDCGW00101 less than 10X the blank amount were flagged as undetected (U) with the laboratory results below CRQL being replaced with the CRQL. There were no positive results for the other compound in the associated samples. No further action was necessary.

Isobutyl alcohol and 1,4-dioxane were both detected at 33.0 ug/L in water blank VBLKSW.
There were no positive detections of these compounds in the associated samples. No action was required.

Trip Blanks:

There were no positive detections in associated trip blanks 523TW00201 and 523TW00101, analyzed in SDG 017TB. No action was required.

Equipment Blanks:

Methylene chloride and chloroform were detected at 1.0 ug/L and 2.0 ug/L, respectively, in equipment blank GDCEW00101. All positive results for methylene chloride less than 10X the blank amount were flagged as undetected (U) with the laboratory results below CRQL being replaced with the CRQL. Positive associated sample results for chloroform less than 5X the blank amount were flagged as undetected (U) with the laboratory results below CRQL being replaced with the CRQL.

Field Blanks:

Methylene chloride and chloroform were detected at 1.0 ug/L and 3.0 ug/L, respectively, in field blank GDCFW00101. All results for these compounds were previously flagged. No further action was required.

Deionized Water Blanks:

Chlorofom was detected at 1.0 ug/L in deionized water blank GDCDW00101. The detections of this compound in the associated samples were previously flagged. No action was required.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No action was required.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

All MS / MSD criteria were met. No action was necessary.

VII.) Field Duplicates:

There were no calculable Relative Percent Differences (RPD's) for field duplicate samples 047GW00501 and 047HW00501 (analyzed in SDG 0018V). No action was required.

VIII.) Internal Standards Performance:

All Internal Standards Performance criteria were met. No action was required.

IX.) TCL Compound Identification:

Results for 1,1,1-trichloro-2,2,2-trifluoroethane were incorrectly identified on the spreadsheets as 1,1,1-trichloro-2,2,2-trifluoromethane. This was corrected during validation.

All other TCL Compound Identification criteria were met, so no action was required.

X.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL's):

All CRQL criteria were met, so no action was required.

XI.) Tentatively Identified Compounds (TIC's):

All TIC criteria were met, so no action was taken.

XII.) System Performance:

All System Performance criteria were met, so no action was necessary.

XIII.) Overall Assessment of Data/General:

All results for isobutyl alcohol, crotonaldehyde, 2-chloroethyl vinyl ether and 1,4-dioxane were rejected due to low RRF's. Results for propionitrile, cis-1,4-dichloro-2-butene and trans-1,4-dichloro-2-butene were rejected in seven samples due to low RRP's. All other laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

CompuChem Enviromental Corp. - 0018V

SAMPLES: 044HW00401, 047GW00401, 047GW00601, 047GW01101, 047HW00501, 523GW00101, 523HW00101

VOLATILE ORGANICS

I.) Holding Times:

The number of days between sampling and analysis of the following samples exceeded the 7 day QC limit for water samples:

044HW00401	11 days
047GW00401	9 days
047GW00601	9 days
047GW01101	9 days
047HW00501	10 days
523GW00101	9 days
523HW00101	9 days

All positive and non-detect results for these samples (all samples in this SDG) were flagged as estimated (J) and (UJ).

II.) GC/MS Tuning:

All GC/MS Tuning criteria were met, so no action was necessary.

III.) Calibration:

Initial Calibration:

The Average Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the initial calibration run on 6/22/95 on instrument F50052:

crotonaldehyde	0.012
isobutyl alcohol	0.014
1,4-dioxane	0.002
2-chloroethyl vinyl ether	0.005

The results for these compounds in all samples in this SDG, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) of the following compounds exceeded the 30% QC limit for the initial calibration run on 6/22/95 on instrument F50052:

crotonaldehyde	49.8%
2-chloroethyl vinyl ether	49.4%
acetone	32.9%

The results for crotonaldehyde and 2-chloroethyl vinyl ether were previously rejected. All results for acetone in the associated samples were previously flagged based on holding times. No further action was required.

Continuing Calibration:

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 6/23/95 at 20:20 on instrument F50052:

crotonaldehyde	0.011
isobutyl alcohol	0.015
1,4-dioxane	0.002
2-chloroethyl vinyl ether	0.049

The results for these compounds in the associated samples were previously rejected. No further action was required.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 6/23/95 at 20:20 on instrument F50052:

1,4-dioxane	27.2%
2-chloroethyl vinyl ether	801%
acetone	31.3%
1,2-dichloroethane	37.6%
1,1,1-trichloroethane	34.5%
carbon tetrachloride	30.3%
bromodichloromethane	25.1%
bromoform	33.1%
trichlorofluoromethane	62.0%
1,1,1,2-tetrachloroethane	25.5%
cis-1,4-dichloro-2-butene	25.4%

The results for 1,4-dioxane and 2-chloroethyl vinyl ether in the associated samples were previously rejected based on the initial calibration. No further action was taken since the associated samples were previously flagged based on holding times.

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 6/24/95 at 11:04 on instrument F50052:

crotonaldehyde	0.018
isobutyl alcohol	0.009
1,4-dioxane	0.001
2-chloroethyl vinyl ether	0.033

The results for these compounds were previously rejected using the initial calibration. No further action was necessary.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 6/24/95 at 11:04 on instrument F50052:

crotonaldehyde	46.7%
isobutyl alcohol	33.7%
1,4-dioxane	63.7%
2-chloroethyl vinyl ether	513%
1,2-dichloroethane	32.6%
2-butanone	30.3%
1,1,1-trichloroethane	41.1%
carbon tetrachloride	40.7%
bromodichloromethane	27.6%
dibromochloromethane	27.3%
bromoform	49.3%
trichlorofluoromethane	46.3%
1,1,1,2-tetrachloroethane	31.7%
1,3-dichlorobenzene	30.1%
1,4-dichlorobenzene	37.6%
1,2-dichlorobenzene	36.4%

The results for the first four compounds listed were previously rejected in the associated samples based on the initial calibration. No other action was taken since the other compound results in the associated samples were previously flagged as estimated (J) and (UJ) based on holding times.

IV.) Blanks:

Method Blanks:

Methylene chloride was detected at 2.0 ug/L in water blank VBLKP5. There were no positive results for methylene chloride in associated samples 044HW00401, 047HW00501, 523HW00101 and 047GW01101. No action was required.

Trip Blanks:

Methylene chloride was detected at 2.0 ug/L in trip blank 044TW00401, which was analyzed in SDG 017TB. There were no positive results for this compound in the associated samples. No action was necessary.

There were no positive detections in associated trip blank 523TW00101, which was analyzed in SDG 017TB. No action was required.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met, No action was required.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

There were no MS / MSD analyses for this SDG. No action was necessary.

VII.) Field Duplicates:

There were no calculable Relative Percent Differences (RPD's) for field duplicate samples 523GW00101 and 523HW00101. No action was required.

The field duplicate for sample 044HW00401 was not contained in this SDG. No action was required.

There were no calculable Relative Percent Differences (RPD's) for field duplicate samples 047HW00501 and 047GW00501 (analyzed in SDG 0017V). No action was necessary.

VIII.) Internal Standards Performance:

All Internal Standards Performance criteria were met. No action was required.

IX.) TCL Compound Identification:

Results for 1,1,1-trichloro-2,2,2-trifluoroethane were incorrectly identified on the spreadsheets as 1,1,1-trichloro-2,2,2-trifluoromethane. This was corrected during validation.

All other TCL Compound Identification criteria were met, so no action was required.

X.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL's):

All CRQL criteria were met, so no action was required.

XI.) Tentatively Identified Compounds (TIC's):

All TIC criteria were met, so no action was taken.

XII.) System Performance:

All System Performance criteria were met, so no action was necessary.

XIII.) Overall Assessment of Data/General:

All results for isobutyl alcohol, crotonaldehyde, 2-chloroethyl vinyl ether and 1,4-dioxane were rejected due to low RRF's. All other laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

COMPUCHEM - 017TB Organics

SAMPLES: 044TW00401, 047TW00501, 523TW00101, 523TW00201

VOLATILE ORGANICS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) GC/MS Tuning:

All GC/MS Tuning criteria were met, so no action was necessary.

III.) Calibration:

Initial Calibration:

The Average Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the initial calibration run on 6/22/95 on instrument F50052:

crotonaldehyde	0.012
isobutyl alcohol	0.014
1,4-dioxane	0.002
2-chloroethyl vinyl ether	0.005

The results for these compounds in associated trip blanks 044TW00401, 047TW00501 and 523TW00101, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) of the following compounds exceeded the 30% QC limit for the initial calibration run on 6/22/95 on instrument F50052:

crotonaldehyde	49.8%
2-chloroethyl vinyl ether	49.4%
acetone	32.9%

The results for crotonaldehyde and 2-chloroethyl vinyl ether were previously rejected. There were no positive results for the other compound in the associated samples. No further action was necessary.

The Average Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the initial calibration run on 6/15/95 on instrument F50054:

propionitrile	0.045
crotonaldehyde	0.006
isobutyl alcohol	0.006
methyl methacrylate	0.045
1,4-dioxane	0.003

The results for these compounds in associated trip blank 523TW00201, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) for the following compounds exceeded the 30% QC limit for the initial calibration run on 6/15/95 on instrument F50054:

isobutyl alcohol	61.2%
1,4-dioxane	69.8%

The results for these compounds in the associated blank were previously rejected. No further action was required.

Continuing Calibration:

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 6/23/95 at 20:20 on instrument F50052:

crotonaldehyde	0.011
isobutyl alcohol	0.015
1,4-dioxane	0.002
2-chloroethyl vinyl ether	0.049

The results for these compounds in the associated trip blanks were previously rejected. No further action was required.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 6/23/95 at 20:20 on instrument F50052:

1,4-dioxane	27.2%
2-chloroethyl vinyl ether	801%
acetone	31.3%
1,2-dichloroethane	37.6%
1,1,1-trichloroethanbe	34.5%
carbon tetrachloride	30.3%
bromodichloromethane	25.1%
bromoform	33.1%
trichlorofluoromethane	62.0%
1,1,1,2-tetrachloroethane	25.5%
cis-1,4-dichloro-2-butene	25.4%

The results for 1,4-dioxane and 2-chloroethyl vinyl ether in the associated blanks were previously rejected based on the initial calibration. No further action was taken since all associated samples were trip blanks.

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 6/24/95 at 11:04 on instrument F50052:

crotonaldehyde	0.018
isobutyl alcohol	0.009
1,4-dioxane	0.001
2-chloroethyl vinyl ether	0.033

The results for these compounds were previously rejected using the initial calibration. No further action was necessary.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 6/24/95 at 11:04 on instrument F50052:

crotonaldehyde	46.7%
isobutyl alcohol	33.7%
1,4-dioxane	63.7%
2-chloroethyl vinyl ether	513%
1,2-dichloroethane	32.6%
2-butanone	30.3%
1,1,1-trichloroethane	41.1%
carbon tetrachloride	40.7%
bromodichloromethane	27.6%
dibromochloromethane	27.3%
bromoform	49.3%
trichlorofluoromethane	46.3%
1,1,1,2-tetrachloroethane	31.7%
1,3-dichlorobenzene	30.1%
1,4-dichlorobenzene	37.6%
1,2-dichlorobenzene	36.4%

The results for the first four compounds listed were previously rejected in the associated samples based on the initial calibration. No other action was taken since the associated samples were trip blanks.

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 6/15/95 at 21:49 on instrument F50054:

2-butanone	0.049
propionitrile	0.042
crotonaldehyde	0.005
isobutyl alcohol	0.005
1,4-dioxane	0.002
methyl methacrylate	0.044

The non-detect result for 2-butanone in trip blank 523TW00201 was rejected (R).

The results for the other compounds in the associated blank were previously rejected. No further action was required.

The Percent Difference (%D) of acetone (35.6%) exceeded the 25% QC limit for the continuing calibration run on 6/15/95 at 21:49 on instrument F50054. Since the associated sample was a trip blank, no action was necessary.

IV.) Blanks:

Method Blanks:

Methylene chloride was detected at 2.0 ug/L in water blank VBLKP5. The associated samples for this method blank were trip blanks. No action was required.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No action ws required.

VI.) Matrix Spike/Matrix Spike Duplicate (MS / MSD):

No MS / MSD analyses were requested for this SDG. No action was necessary.

VII.) Field Duplicates:

There were no field duplicate samples associated with this SDG. No action was required.

VIII.) Internal Standards Performance:

All Internal Standards Performance criteria were met. No action was required.

IX.) TCL Compound Identification:

All TCL Compound Identification criteria were met, so no action was required.

X.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL's):

All CRQL criteria were met, so no action was required.

XI.) Tentatively Identified Compounds (TIC's):

All TIC criteria were met, so no action was taken.

XII.) System Performance:

All System Performance criteria were met, so no action was necessary.

XIII.) Overall Assessment of Data/General:

All results for isobutyl alcohol, crotonaldehyde and 1,4-dioxane were rejected due to low RRF's. Results for 2-chloroethyl vinyl ether (in 3 samples), propionitrile (in one sample), methyl methocrylate (in one sample) and 2-butanone (in one sample) were rejected due to low RRF's. All other laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

COMPUCHEM - 021VB Organics

SAMPLES: GDCTB04501, 518TB00601

VOLATILE ORGANICS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) GC/MS Tuning:

All GC/MS Tuning criteria were met, so no action was necessary.

III.) Calibration:

Initial Calibration:

The Average Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the initial calibration run on 7/03/95 on instrument F50054:

crotonaldehyde	0.007
isobutyl alcohol	0.004
1,4-dioxane	0.001
2-chloroethyl vinyl ether	0.037
2-butanone	0.048
propionitrile	0.048
methyl methacrylate	0.042

The results for these compounds in the blank samples in this SDG, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) of the following compounds exceeded the 30% QC limit for the initial calibration run on 7/03/95 on instrument F50054:

1,4-dioxane	136%
2-butanone	43.0%
propionitrile	72.5%
crotonaldehyde	90.6%
isobutyl alcohol	143%
acetone	36.6%

The results for 2-butanone, propionitrile, crotonaldehyde, isobutyl alcohol and 1,4-dioxane were previously rejected. There were no positive results for the other compound in the associated samples. No further action was necessary.

Continuing Calibration:

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 7/05/95 at 16:55 on instrument F50054:

crotonaldehyde	0.014
isobutyl alcohol	0.008
1,4-dioxane	0.001

The results for these compounds in the associated blank samples were previously rejected. No further action was necessary.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 7/05/95 at 16:55 on instrument F50054:

crotonaldehyde	93.7%
1,4-dioxane	37.5%
2-chloroethyl vinyl ether	41.3%
chloromethane	27.4%
acetone	49.0%
1,2-dibromoethane	26.3%
2-butanone	126%
cis-1,3-dichloropropene	25.2%
benzene	28.1%
trans-1,3-dichloropropene	29.1%
bromoform	35.2%
4-methyl-2-pentanone	55.2%
2-hexanone	75.0%
1,1,2,2-tetrachloroethane	38.5%
acrolein	42.7%
acrylonitrile	62.6%
vinyl acetate	46.9%
propionitrile	87.1%
methacrylonitrile	46.0%
methyl methacrylate	43.0%
ethyl methacrylate	33.8%
cis-1,4-dichloro-2-butene	41.2%
1,2,3-trichloropropane	33.9%
trans-1,4-dichloro-2-butene	40.7%
1,2-dibromo-3-chloropropane	61.0%

The results for crotonaldehyde, 1,4-dioxane, 2-butanone, propionitrile, methyl methacrylate and 2-chloroethyl vinyl ether in the associated samples were previously rejected. No other action was taken since the associated samples were trip blanks.

IV.) Blanks:

Method Blanks:

All Method Blank criteria were met. No action was required.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No action ws required.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

No MS / MSD analyses were requested for this SDG. No action was necessary.

VII.) Field Duplicates:

There were no field duplicate samples in this SDG. No action was necessary.

VIII.) Internal Standards Performance:

All Internal Standards Performance criteria were met. No action was required.

IX.) TCL Compound Identification:

Results for 1,1,1-trichloro-2,2,2-trifluoroethane were incorrectly identified on the spreadsheets as 1,1,-trichloro-2,2,2-trifluoromethane. This was corrected during validation.

All other TCL Compound Identification criteria were met, so no action was required.

X.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL's):

All CRQL criteria were met, so no action was required.

XI.) Tentatively Identified Compounds (TIC's):

All TIC criteria were met, so no action was taken.

XII.) System Performance:

All System Performance criteria were met, so no action was necessary.

XIII.) Overall Assessment of Data/General:

All results for isobutyl alcohol, crotonaldehyde, 1,4-dioxane, 2-butanone, propionitrile, methyl methacrylate and 2-chloroethyl vinyl ether were rejected due to low RRF's. All other laboratory data were acceptable without qualification.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422, Norcross, GA 30093

(770) 923-3890
(770) 923-8769 (Fax)

DATA VALIDATION SUMMARY REPORT

COMPANY:	Ensafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
PROJECT NUMBER:	8500.014
CONTRACTED LAB:	CompuChem Environmental Corp.
QA/QC LEVEL:	Level III
EPA SOW/METHOD:	EPA 1990 SOW
VALIDATION GUIDELINES:	*National Functional Guidelines for Organic Data Review,* 1994; USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, 1994
SAMPLE MATRIX:	Water
TYPES OF ANALYSES:	Volatile Organics (VOA)
SDG NUMBER:	0016V

SAMPLES:

Client Sample #:	Lab Sample #:	Matrix	VOA
519EB00101	706953	Water	X
0007000001	707050	Water	X
000TB00001	707071	Water	X
GRDGW00201	709199	Water	X
044GW00601	709170	Water	X
044TB00601	709224	Water	X
GRDGW00201MS	706957MS	Water	X
GRDGW00201MSD	706958MSD	Water	X

EB = EQUIPMENT BLANK, MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE, TB = TRIP BLANK

DATA REVIEWER(S): Amy L. Hogan, Marvin L. Smith, Jean M. Delashmit

RELEASE SIGNATURE:

Data Qualifier Definitions

J	-	The association numerical value is an estimated quantity.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

CompuChem Enviromental Corp. - 0016V Organics

SAMPLES: 519EB00101, 0007000001, 000TB00001, GRDGW00201, GRDGW00201MS, GRDGW00201MSD, 044GW00601, 044TB00601

VOLATILE ORGANICS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) GC/MS Tuning:

All GC/MS Tuning criteria were met, so no action was necessary.

III.) Calibration:

Initial Calibration:

The Average Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the initial calibration run on 5/07/95 on instrument F50055:

crotonaldehyde	0.009
isobutyl alcohol	0.009
1,4-dioxane	0.002

The results for these compounds in all samples in this SDG, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) for the following compounds exceeded the 30% QC limit for the initial calibration run on 5/07/95 on instrument F50055:

1,4-dioxane	44.9%
chloromethane	38.3%
acetone	38.5%
1,3-dichlorobenzene	40.9%
1,4-dichlorobenzene	40.3%
1,2-dichlorobenzene	40.4%

The results for 1,4-dioxane in all samples in this SDG were previously rejected. There were no positive results for the other compounds in the associated samples, so no further action was required.

Continuing Calibration:

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 5/08/95 at 08:35 on instrument F50055:

isobutyl alcohol	0.009
1,4-dioxane	0.001
crotonaldehyde	0.010

The results for these compounds were previously rejected based on the initial calibration. No further action was necessary.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 5/08/95 at 08:35 on instrument F50055:

1,4-dioxane	28.9%
chloroethane	33.8%
bromomethane	29.5%
1,1,1-trichloro-2,2,2-trifluoroethane	65.7%
1,1,2-trichloro-1,2,2-trifluoroethane	30.6%
2-chloroethyl vinyl ether	30.9%
1,3-dichlorobenzene	39.1%
1,4-dichlorobenzene	36.6%
1,2-dichlorobenzene	39.0%

The results for 1,4-dioxane in all samples for this SDG were previously rejected. The results for the other compounds in associated samples 0007000001, which consisted entirely of non-detects, were flagged as estimated (UJ). The associated blanks 519EB00101 and 000TB00001 were not flagged.

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 5/08/95 at 20:54 on instrument F50055:

crotonaldehyde	0.010
isobutyl alcohol	0.009
1,4-dioxane	0.002

The results for these compounds in associated sample GRDGW00201 were previously rejected based on the initial calibration. No further action was necessary.

The Percent Difference (%D) for acetone (41.3%) exceeded the 25% QC limit for the continuing calibration run on 5/08/95 at 20:54 on instrument F50055. The result for this compound in associated sample GRDGW00201 was determined to be blank contamination and was flagged as estimated (UJ).

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 5/09/95 at 11:30 on instrument F50055:

crotonaldehyde	0.011
isobutyl alcohol	0.008
1,4-dioxane	0.001

The results for these compounds in associated samples 044GW00601 and 044TB00601 were previously rejected based on the initial calibration. No further action was required.

The Percent Differences (%D's) for the following compounds exceeded the 25% QC limit for the continuing calibration run on 5/09/95 at 11:30 on instrument F50055:

1,4-dioxane	27.3%
acetone	52.2%
1,2-dichloroethane	36.2%
carbon tetrachloride	28.9%
4-methyl-2-pentanone	33.6%
2-hexanone	29.5%
trichlorofluoromethane	32.6%
1,1,2-trichloro-1,2,2-trifluoroethane	26.0%
trans-1,4-dichloro-2-butene	40.8%

The results for 1,4-dioxane in the associated sample and trip blank were previously rejected based on the initial calibration. The results for the other compounds in associated sample 044GW00601, which consisted entirely of non-detects, were flagged as estimated (UJ).

IV.) Blanks:

Method Blanks:

Methylene chloride, acetone, 1,4-dioxane and 1,2-dibromo-3-chloropropane were detected at 4.0 ug/L, 10.0 ug/L, 8.0 ug/L and 1.0 ug/L, respectively, in water blank VBLKKF. The positive results for methylene chloride and acetone in associated sample GRDGW00201 less than 10X the blank amounts were flagged as undetected (U) with the laboratory result below CRQL being raised to the CRQL. There were no positive results for the other compounds in the associated sample. No further action was required.

Methylene chloride, acetone and 1,2-dibromo-3-chloropropane were detected at 4.0 ug/L, 7.0 ug/L and 2.0 ug/L, respectively, in water blank VBLKMN. The positive results for methylene chloride and acetone in associated sample 0007000001 less than 10X the blank amounts were flagged as undetected (U) with the laboratory result below CRQL being raised to the CRQL. There was not a positive result for the other compound in the associated sample. No further action was required.

Methylene chloride, acetone and 1,2-dibromo-3-chloropropane were detected at 2.0 ug/L, 7.0 ug/L and 2.0 ug/L, respectively, in water blank VBLKMP. The positive result for methylene chloride in associated sample 044GW00601 less than 10X the blank amount was flagged as undetected (U) with the laboratory result below CRQL being raised to the CRQL. There were no positive results for the other compounds in the associated sample. No further action was required.

Trip Blanks:

Acetone was detected at 1.0 ug/L in trip blank 000TB00001. The result for this compound in the associated sample was previously flagged based on the method blank. No further action was required.

Methylene chloride was detected at 2.0 ug/L in trip blank 044TB00601. The results for this compound in the associated samples were previously flagged based on the method blank. No further action was required.

Equipment Blanks:

Methylene chloride, acetone and chloroform were detected at 2.0 ug/L, 4.0 ug/L and 6.0 ug/L, respectively, in equipment blank 519EB00101. The results for methylene chloride and acetone in the associated sample were previously flagged based on the method blank. The positive result for chloroform in associated sample 0007000001, which was less than 5X the blank amount, was flagged as undetected (U) with the detection limit being raised to the level of contamination in the sample.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No action was required.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

All MS / MSD criteria were met. No action was necessary.

VII.) Field Duplicates:

There were no field duplicate samples associated with this SDG. No action was required.

VIII.) Internal Standards Performance:

All Internal Standards Performance criteria were met. No action was required.

IX.) TCL Compound Identification:

All TCL Compound Identification criteria were met, so no action was required.

X.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL's):

All CRQL criteria were met, so no action was required.

XI.) Tentatively Identified Compounds (TIC's):

All TIC criteria were met, so no action was taken.

XII.) System Performance:

All System Performance criteria were met, so no action was necessary.

XIII.) Overall Assessment of Data/General:

All results for isobutyl alcohol, crotonaldehyde and 1,4-dioxane, which consisted entirely of non-detects, were rejected due to low RRF's. All other laboratory data were acceptable with qualification.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422, Norcross, Ga. 30093

DATA VALIDATION SUMMARY REPORT

COMPANY:	Ensafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
PROJECT NUMBER:	8500.014
CONTRACTED LAB:	Compu Chem Environmental Co.
QA/QC LEVEL:	Level III
EPA SOW/METHOD:	EPA 1990 SOW
VALIDATION GUIDELINES:	*National Functional Guidelines for Organic Data Review,* 1994; *Laboratory Data Validation Functional Guidelines for Evaluating Inorganics Analyses,* 1994; *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review,* 1994; *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review,* 1994
SAMPLE MATRIX:	Water
TYPES OF ANALYSES:	Volatile Organics (VOA)

SDG NUMBERS: 002VB, 003VB, 004VB, 005VB, 015VB

SAMPLES:

SDG NUMBER: 002VB

Client Sample #:	Lab Sample #:	Matrix	VOA
508TB00601	692256	Water	X
511TB00502	692255	Water	X
GRDTB00802	691136	Water	X

TB = TRIP BLANK

SDG NUMBER: 003VB

Client Sample #:	Lab Sample #:	Matrix	VOA
GRDTB00901	697026	Water	X

TB = TRIP BLANK

SDG NUMBER: 004VB

Client Sample #:	Lab Sample #:	Matrix	VOA
517TB00202	698400	Water	X
523TB00201	697941	Water	X
523EB00202	687928	Water	X
523DB00202	697869	Water	X

TB = TRIP BLANK, EB = EQUIPMENT BLANK, DB = DEIONIZED BLANK

SDG NUMBER: 005VB

Client Sample #:	Lab Sample #:	Matrix	VOA
518TB00401	699078	Water	X
520TB0032	700609	Water	X

TB = TRIP BLANK

SDG NUMBER: 015VB

Client Sample #:	Lab Sample #:	Matrix	VOA
519TB00101	706742	Water	X

TB = TRIP BLANK

DATA REVIEWER(S): Amy L. Hogan, Marvin L. Smith

RELEASE SIGNATURE:

Data Qualifier Definitions:

J	-	The associated numerical value is an estimated quantity.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

Compu Chem - 002VB Organics

SAMPLES: 508TB00601, 511TB00502, GRDTB00802

VOLATILE ORGANICS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) GC/MS Tuning:

All GC/MS Tuning criteria were met, so no action was necessary.

III.) Calibration:

Initial Calibration:

The Average Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the initial calibration on 3/15/95 on instrument F50052:

isobutyl alcohol	0.007
1,4-dioxane	0.002
crotonaldehyde	0.008

The results for these compounds in the associated samples (all samples for this SDG), which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) of the following compounds exceeded the 30% QC limit for the initial calibration on 3/15/95 on instrument F50052:

isobutyl alcohol	37.2%
1,4-dioxane	101%

The results for these compounds in the associated samples were previously rejected due to low RRF's. No further action was required.

Continuing Calibration:

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 3/20/95 at 15:38 on instrument F50052:

isobutyl alcohol	0.004
1,4-dioxane	0.001
crotonaldehyde	0.005

The results for these compounds were previously rejected using the associated Initial Calibration. No further action was necessary.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration on 3/20/95 at 15:38 on instrument F50052:

2-hexanone	35.6%
crotonaldehyde	39.4%
isobutyl alcohol	50.3%
1,4-dioxane	66.3%
4-methyl-2-pentanone	27.6%
acrolein	33.0%
acrylonitrile	25.3%
vinyl acetate	31.2%
2-chlorethyl vinyl ether	45.7%

The results for crotonaldehyde, 1,4-dioxane and isobutyl alcohol in the associated sample GRDTB00802 were previously rejected. The results for the other compounds in the associated sample, which consisted entirely of non-detects, were flagged as estimated (UJ).

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration on 3/24/95 at 08:19 on instrument F50052:

crotonaldehyde	0.011
isobutyl alcohol	0.008
1,4-dioxane	0.001

The results for these compounds in the associated samples were previously rejected based on the initial calibration. No further action was required.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration on 3/24/95 at 08:19 on instrument F50052:

crotonaldehyde	49.3%
1,4-dioxane	41.4%
vinyl acetate	29.2%
methyl methacrylate	28.0%
2-chloroethyl vinyl ether	44.1%
1,2-dibromoethane	26.8%
1,1,1,2-tetrachloroethane	25.1%
cis-1,4-dichloro-2-butene	30.9%

The results for crotonaldehyde and 1,4-dioxane in associated samples 508TB00601 and 511TB00502 were previously rejected. The results for the other compounds in these samples, which consisted entirely of non-detects, were flagged as estimated (UJ).

IV.) Blanks:

Method Blanks:

All Method Blank criteria were met. No action was necessary.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No action was required.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

There were no MS / MSD analyses for this SDG. No action was necessary.

VII.) Field Duplicates:

There were no field duplicate samples associated with this SDG. No action was required.

VIII.) Internal Standards Performance:

All Internal Standards Performance criteria were met. No action was required.

IX.) TCL Compound Identification:

All TCL Compound Identification criteria were met, so no action was required.

X.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL's):

All CRQL criteria were met, so no action was required.

XI.) Tentatively Identified Compounds (TIC's):

All TIC criteria were met, so no action was taken.

XII.) System Performance:

All System Performance criteria were met, so no action was necessary.

XIII.) Overall Assessment of Data/General:

All results for isobutyl alcohol, crotonaldehyde and 1,4-dioxane were rejected due to low RRF's. All other laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

Compu Chem - 003VB Organics

SAMPLE: GRDTB00901

VOLATILE ORGANICS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) GC/MS Tuning:

All GC/MS Tuning criteria were met, so no action was necessary.

III.) Calibration:

Initial Calibration:

The Average Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the initial calibration on 3/30/95 on instrument F50056:

isobutyl alcohol	0.009
1,4-dioxane	0.002
crotonaldehyde	0.005
2-butanone	0.046
methyl methacrylate	0.048

The results for these compounds in associated sample GRDTB00901, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) of the following compounds exceeded the 30% QC limit for the initial calibration on 3/30/95 on instrument F50056:

2-butanone	44.6%
crotonaldehyde	66.5%
1,4-dioxane	36.8%
1,2-dibromo-3-chloropropane	33.9%

There were no positive results for 1,2-dibromo-3-chloropropane in the associated sample. No action was required. The results for the other compounds in the associated sample were previously rejected due to low RRF's.

Continuing Calibration:

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 4/05/95 at 22:57 on instrument F50056:

2-butanone	0.033
isobutyl alcohol	0.006
1,4-dioxane	0.001
crotonaldehyde	0.002
methyl methacrylate	0.042
2-chloroethyl vinyl ether	0.016

The results for 2-chloroethyl vinyl ether in associated sample GRDTB00901, which was a non-detect, was rejected (R). The results for the other compounds were previously rejected using the initial calibration. No further action was required.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration on 4/05/95 at 22:57 on instrument F50056:

crotonaldehyde	60.8%
isobutyl alcohol	38.4%
1,4-dioxane	40.2%
2-chloroethyl vinyl ether	78.2%
trans-1,4-dichloro-2-butene	27.2%
1,2-dibromo-3-chloropropane	35.9%

The results for trans-1,4-dichloro-2-butene and 1,2-dibromo-3-chloropropane in the associated sample, which were both of non-detects, were flagged as estimated (UJ). The results for the other compounds in the associated sample were previously rejected. No further action was required.

IV.) Blanks:

Method Blanks:

All Method Blank criteria were met. No action was required.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met, No action was required.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

There were no MS / MSD analyses for this SDG. No action was necessary.

VII.) Field Duplicates:

There were no field duplicate samples associated with this SDG. No action was required.

VIII.) Internal Standards Performance:

All Internal Standards Performance criteria were met. No action was required.

IX.) TCL Compound Identification:

All TCL Compound Identification criteria were met, so no action was required.

X.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL's):

All CRQL criteria were met, so no action was required.

XI.) Tentatively Identified Compounds (TIC's):

All TIC criteria were met, so no action was taken.

XII.) System Performance:

All System Performance criteria were met, so no action was necessary.

XIII.) Overall Assessment of Data/General:

All results for 2-butanone, isobutyl alcohol, crotonaldehyde, methyl methacrylate and 1,4-dioxane were rejected due to low RRF's. All other laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

Compu Chem - 004VB Organics

SAMPLES: 517TB00202, 523TB00201, 523EB00202, 523DB00202

VOLATILE ORGANICS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) GC/MS Tuning:

All GC/MS Tuning criteria were met, so no action was necessary.

III.) Calibration:

Initial Calibration:

The Average Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the initial calibration on 3/30/95 on instrument OWA03:

isobutyl alcohol	0.005
1,4-dioxane	0.002
crotonaldehyde	0.011

The results for these compounds in associated samples 517TB00202 and 523TB00201, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) of the following compounds exceeded the 30% QC limit for the initial calibration on 3/30/95 on instrument OWA03:

acetone	45.9%
isobutyl alcohol	44.5%
1,4-dioxane	101%

There were no positive results for acetone in the associated samples. No action was required. The results for the other compounds in the associated samples were previously rejected due to low RRF's.

The Avereage Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the initial calibration on 3/30/95 on instrument F50056:

2-butanone	0.046
crotonaldehyde	0.005
isobutyl alcohol	0.009
methyl methacrylate	0.048
1,4-dioxane	0.002

The results for these compounds in associated samples 523EB00202 and 523DB00202, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) of the following compounds exceeded the 30% QC limit for the initial calibration on 3/30/95 on instrument F50056:

2-butanone	44.6%
crotonaldehyde	66.5%
1,4-dioxane	36.8%
1,2-dibromo-3-chloropropane	33.9%

There were no positive results for 1,2-dibromo-3-chloropropane in the associated samples, so no action was required. The results for the other compounds were previously rejected.

Continuing Calibration:

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 4/08/95 at 06:54 on instrument OWA03:

4-methyl-2-pentanone	0.024
crotonaldehyde	0.010
isobutyl alcohol	0.005
1,4-dioxane	0.000
2-chloroethyl vinyl ether	0.028

The results for 4-methyl-2-pentanone and 2-chloroethyl vinyl ether in associated sample 523TB00201, which were both non-detects, were rejected (R). The results for the other compounds were previously rejected using the initial calibration. No further action was required.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration on 4/08/95 at 06:54 on instrument OWA03:

4-methyl-2-pentanone	91.2%
1,4-dioxane	74.5%
2-chloroethyl vinyl ether	70.8%
1,2-dichloroethane	32.9%
trichlorofluoromethane	26.2%
3-chloropropene	27.3%

The results for 1,2-dichloroethane, trichlorofluromethane and 3-chloropropene in associated sample 523TB00201, which consisted entirely of non-detects, were flagged as estimated (UJ). The results for the other compounds were previously rejected.

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration on 4/11/95 at 01:43 on instrument OWA03:

crotonaldehyde	0.010
isobutyl alcohol	0.005
1,4-dioxane	0.001
2-chloroethyl vinyl ether	0.024

The non-detect result for 2-chloroethyl vinyl ether in associated sample 517TB00202 was rejected (R). The results for the other compounds in the associated sample were previously rejected. No further action was required.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration on 4/11/95 at 01:43 on instrument OWA03:

1,4-dioxane	49.0%
2-chloroethyl vinyl ether	75.2%
2-butanone	30.6%
3-chloropropene	35.4%
trans-1,4-dichloro-2-butene	28.7%

The results for 1,4-dioxane and 2-chloroethyl vinyl ether in the associated sample were previously rejected (R). The results for the other compounds in associated sample 517TB00202, which consisted entirely of non-detects, were flagged as estimated (UJ).

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration on 4/05/95 at 22:57 on instrument F50056:

2-butanone	0.033
propionitrile	0.047
crotonaldehyde	0.002
isobutyl alcohol	0.006
methyl methacrylate	0.042
1,4-dioxane	0.001
2-chloroethyl vinyl ether	0.016

The results for propionitrile and 2-chloroethyl vinyl ether in associated samples 523EB00202 and 523DB00202, which consisted entirely of non-detects, were rejected (R). The results for the other compounds in the associated samples were previously rejected. No further action was required.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration on 4/05/95 at 22:57 on instrument F50056:

2-butanone	28.5%
crotonaldehyde	60.8%
isobutyl alcohol	38.4%
1,4-dioxane	40.2%
2-chloroethyl vinyl ether	78.2%

bromoform	26.1%
4-methyl-2-pentanone	45.4%
2-hexanone	34.2%
1,1,2,2-tetrachloroethane	31.3%
trans-1,4-dichloro-2-butene	27.2%
1,2-dibromo-3-chloropropane	35.9%

The results for 2-butanone, crotonaldehyde, isobutyl alcohol, 1,4-dioxane and 2-chloroethyl vinyl ether in the associated samples were previously rejected. The results for the other compounds in associated samples 523EB00202 and 523DB00202, which consisted entirely of non-detects, were flagged as estimated (UJ).

IV.) Blanks:

Method Blanks:

Acetone and 1,2-dibromo-3-chloropropane were detected at 7 ug/L and 2 ug/L, respectivery, in water blank VBLKKO. There were no positive results for these compounds in the associated samples. No action was required.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met, No action was required.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

There were no MS / MSD analysis for this SDG. No action was necessary.

VII.) Field Duplicates:

There were no field duplicate samples for this SDG. No action was required.

VIII.) Internal Standards Performance:

All Internal Standards Performance criteria were met. No action was required.

IX.) TCL Compound Identification:

All TCL Compound Identification criteria were met, so no action was required.

X.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL's):

All CRQL criteria were met, so no action was required.

XI.) Tentatively Identified Compounds (TIC's):

All TIC criteria were met, so no action was taken.

XII.) System Performance:

All System Performance criteria were met, so no action was necessary.

XIII.) Overall Assessment of Data/General:

All results for isobutyl alcohol, crotonaldehyde and 1,4-dioxane were rejected in samples 517TB00202 and 523TB00201 due to low RRF's. All results for 2-butanone, crotonaldehyde, isobutyl alcohol, methyl methacrylate and 1,4-dioxane were rejected in samples 523EB00202 and 523DB00202 due to low RRF's. All other laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

Compu Chem - 005VB Organics

SAMPLES: 518TB00401, 520TB0302

VOLATILE ORGANICS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) GC/MS Tuning:

All GC/MS Tuning criteria were met, so no action was necessary.

III.) Calibration:

Initial Calibration:

The Average Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the initial calibration on 3/30/95 on instrument OWA03:

isobutyl alcohol	0.005
1,4-dioxane	0.002
crotonaldehyde	0.011

The results for these compounds in associated sample 518TB00401, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) of the following compounds exceeded the 30% QC limit for the initial calibration on 3/30/95 on instrument OWA03:

acetone	45.9%
isobutyl alcohol	44.5%
1,4-dioxane	101%

There were no positive results for acetone in the associated samples. No action was required. The results for the other compounds in the associated samples were previously rejected due to low RRF's.

The Average Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the initial calibration on 4/20/95 on instrument F50055:

isobutyl alcohol	0.005
1,4-dioxane	0.002
crotonaldehyde	0.006
2-chloroethyl vinyl ether	0.012
acrolein	0.041

The results for these compounds in the associated sample 520TB00302, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) of the following compounds exceeded the 30% QC limit for the initial calibration on 4/20/95 on instrument F50055:

1,4-dioxane	30.5%
2-chloroethyl vinyl ether	30.0%
chloromethane	31.0%
methacrylonitrile	78.0%

The results for 1,4-dioxane and 2-chloroethyl vinyl ether in the associated sample were previously rejected. There were no positive results for the other compounds in the associated sample. No action was required.

Continuing Calibration:

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 4/11/95 at 01:43 on instrument OWA03:

isobutyl alcohol	0.005
1,4-dioxane	0.001
crotonaldehyde	0.010
2-chloroethyl vinyl ether	0.024

The non-detect result for 2-chloroethyl vinyl ether in associated sample 518TB00401 was rejected. The results for the other compounds were previously rejected using the initial calibration.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 4/11/95 at 01:43 on instrument OWA03:

1,4-dioxane	49.0%
2-chloroethyl vinyl ether	75.2%
2-butanone	30.6%
3-chloropropene	35.4%
trans-1,4-dichloro-2-butene	28.7%

The results for 1,4-dioxane and 2-chloroethyl vinyl ether in associated sample 518TB00401 were previously rejected. The results for the other compounds in the associated sample, which consisted entirely of non-detects, were flagged as estimated (UJ).

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration on 4/21/95 at 01:59 on instrument F50055:

crotonaldehyde	0.006
isobutyl alcohol	0.003
1,4-dioxane	0.001
2-chloroethyl vinyl ether	0.010

The results for these compounds in the associated sample were previously rejected based on the initial calibration. No further action was necessary.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the Continuing Calibration on 4/21/95 at 01:59 on instrument F50055:

isobutyl alcohol	32.2%
1,4-dioxane	37.8%
methacrylonitrile	31.7%

The results for isobutyl alcohol and 1,4-dioxane were previously rejected based on the initial calibration. The non-detect result for the metacrylonitrile in associated sample 520TB00302 was flagged as estimated (UJ).

IV.) Blanks:

Method Blanks:

Acetone was detected at 7 ug/L in water blank VBLKKO. Since the associated samples were field blanks, no action was necessary.

Methylene chloride was detected at 9 ug/L in water blank VBLKQE. Since the associated samples were field blanks, no action was necessary.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No action was required.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

There were no MS / MSD analyses for this SDG. No action was necessary.

VII.) Field Duplicates:

There were no field duplicate samples associated with this SDG. No action was required.

VIII.) Internal Standards Performance:

All Internal Standards Performance criteria were met. No action was required.

IX.) TCL Compound Identification:

All TCL Compound Identification criteria were met, so no action was required.

X.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL's):

All CRQL criteria were met, so no action was required.

XI.) Tentatively Identified Compounds (TIC's):

All TIC criteria were met, so no action was taken.

XII.) System Performance:

All System Performance criteria were met, so no action was necessary.

XIII.) Overall Assessment of Data/General:

The results for crotonaldehyde, isobutyl alcohol, 1,4-dioxane and 2-chloroethyl vinyl ether were rejected due to low RRF's in sample 520TB00302. The results for isobutyl alcohol, crotonaldehyde and 1,4-dioxane in sample 518TB00401 were rejected due to low RRF's. All other laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

Compu Chem - 015VB Organics

SAMPLES: 519TB00101

VOLATILE ORGANICS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) GC/MS Tuning:

All GC/MS Tuning criteria were met, so no action was necessary.

III.) Calibration:

Initial Calibration:

The Average Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the initial calibration on 4/26/95 on instrument F50055:

isobutyl alcohol	0.011
1,4-dioxane	0.002
crotonaldehyde	0.010

The results for these compounds in associated sample 519TB00101, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) of the following compounds exceeded the 30% QC limit for the initial calibration on 4/26/95 on instrument F50055:

isobutyl alcohol	43.2%
1,4-dioxane	47.3%
dibromochloromethane	32.1%
1,1,2-trichloroethane	37.1%
bromoform	32.4%
4-methyl-2-pentanone	40.6%
2-hexanone	40.2%
1,1,2,2-tetrachloroethane	33.9%
acrolein	36.0%
trichlorofluoromethane	32.0%

acrylonitrile	38.0%
2-chloroethyl vinyl ether	103%
ethyl methacrylate	32.0%
1,2-dibromoethane	33.1%
1,1,1,2-tetrachloroethane	30.7%
cis-1,4-dichloro-2-butene	30.9%
1,2,3-trichloropropane	35.6%
1,2-dibromo-3-chloropropane	40.5%
1,4-dichlorobenzene	30.8%
1,2-dichlorobenzene	31.0%

The results for isobutyl alcohol and 1,4-dioxane in the associated sample were previously rejected. There were no positive results for the other compounds in the associated sample. No further action was required.

Continuing Calibration:

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 4/27/95 at 13:28 on instrument F50055:

crotonaldehyde	0.009
isobutyl alcohol	0.008
1,4-dioxane	0.001

The results for these compounds were previously rejected using the initial calibration.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration on 4/27/95 at 13:28 on instrument F50055:

1,4-dioxane	38.8%
chloromethane	49.1%
bromomethane	25.8%
1,1,2-trichloroethane	38.2%
trans-1,3-dichloropropene	25.8%
tetrachloroethene	41.9%
2-chloroethyl vinyl ether	143%
ethyl methacrylate	33.7%

The result for 1,4-dioxane in associated sample 519TB00101 was previously rejected. The results for the other compounds in the associated sample, which consisted entirely of non-detects, were flagged as estimated (UJ).

IV.) Blanks:

Method Blanks:

Methylene chloride was detected at 1 ug/L in water blank VBLKMJ. Since the associated samples were field blanks, no action was necessary.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No action was required.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

There were no MS / MSD analyses for this SDG. No action was necessary.

VII.) Field Duplicates:

There were no field duplicate samples associated with this SDG. No action was required.

VIII.) Internal Standards Performance:

All Internal Standards Performance criteria were met. No action was required.

IX.) TCL Compound Identification:

All TCL Compound Identification criteria were met, so no action was required.

X.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL's):

All CRQL criteria were met, so no action was required.

XI.) Tentatively Identified Compounds (TIC's):

All TIC criteria were met, so no action was taken.

XII.) System Performance:

All System Performance criteria were met, so no action was necessary.

XIII.) Overall Assessment of Data/General:

All results for isobutyl alcohol, crotonaldehyde and 1,4-dioxane were rejected due to low RRF's. All other laboratory data were acceptable with qualification.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422, Norcross, Ga. 30093

DATA VALIDATION SUMMARY REPORT

COMPANY:	Ensafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
PROJECT NUMBER:	8500.014
CONTRACTED LAB:	CompuChem Environmental Co.
QA/QC LEVEL:	Level III
EPA SOW/METHOD:	EPA 1990 SOW
VALIDATION GUIDELINES:	*National Functional Guidelines for Organic Data Review,* 1994; *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review,* 1994
SAMPLE MATRICES:	Soil and Water
TYPES OF ANALYSES:	Volatile Organics (VOA)
SDG NUMBERS:	012VB, 0015V

SAMPLES:

SDG NUMBER: 012VB

Client Sample #:	Lab Sample #:	Matrix	VOA
047TB00901	703537	Water	X
515TB00602	704487	Water	X

TB = TRIP BLANK

SDG NUMBER: 0015V

Client Sample #:	Lab Sample #:	Matrix	VOA
510SB00301	704431	Soil	X
510SB00302	704460	Soil	X
510SB00401	704411	Soil	X

Client Sample #:	Lab Sample #:	Matrix	VOA
510SB00402	704419	Soil	X
515SB00201	704271	Soil	X
519SB00101	706643	Soil	X
519CB00101	706660	Soil	X
519SB00102	706672	Soil	X
519SB00201	706678	Soil	X
519SB00202	706684	Soil	X
519SB00301	706694	Soil	X
519SB00302	706700	Soil	X
519SB00401	706706	Soil	X
519SB00402	706713	Soil	X
519SB00501	706719	Soil	X
519SB00502	706729	Soil	X
519SB00601	706735	Soil	X
519SB00602	706741	Soil	X
515SB00201MS	704272MS	Soil	X
515SB00201MSD	704273MSD	Soil	X

C = FIELD DUPLICATE, MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

DATA REVIEWER(S): Amy L. Hogan, Marvin L. Smith

RELEASE SIGNATURE:

Data Qualifier Definitions:

J	-	The associated numerical value is an estimated quantity.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

COMPUCHEM - 012VB Organics

SAMPLES: 047TB00901, 515TB00602

VOLATILE ORGANICS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) GC/MS Tuning:

All GC/MS Tuning criteria were met, so no action was necessary.

III.) Calibration:

Initial Calibration:

The Average Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the initial calibration run on 4/26/95:

crotonaldehyde	0.010
isobutyl alcohol	0.011
1,4-dioxane	0.002

The results for these compounds in the two blanks for this SDG, which consisted entirely of non-detects, were rejected (R). These results are not considered acceptable for use in blank evaluation.

The Percent Relative Standard Deviations (%RSD's) for the following compounds exceeded the 30% QC limit for the initial calibration run on 4/26/95:

isobutyl alcohol	43.2%
1,4-dioxane	47.3%
dibromochloromethane	32.1%
1,1,2-trichloroethane	37.1%
bromoform	32.4%
4-methyl-2-pentanone	40.6%
2-hexanone	40.2%
1,1,2,2-tetrachloroethane	33.9%
acrolein	36.0%
trichlorofluoromethane	32.0%

acrylonitrile	38.0%
2-chloroethyl vinyl ether	102%
ethyl methacrylate	32.0%
1,2-dibromoethane	33.1%
1,1,1,2-tetrachloroethane	30.7%
cis-1,4-dichloro-2-butene	30.9%
1,2,3-trichloropropane	35.6%
1,2-dibromo-3-chloropropane	40.5%
1,4-dichlorobenzene	30.8%
1,2-dichlorobenzene	31.0%

The results for isobutyl alcohol and 1,4-dioxane in the samples for this SDG were previously rejected. There were no positive results for the other compounds in the associated samples, so no action was required.

Continuing Calibration:

The Relative Response Factors (RRF's) for the following compounds were below the 0.05 QC limit for the continuing calibration run on 4/27/95 at 13:28:

isobutyl alcohol	0.008
1,4-dioxane	0.001
crotonaldehyde	0.009

The results for these compounds were previously rejected based on the initial calibration. No further action was necessary.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 4/27/95 at 13:28:

1,4-dioxane	38.8%
2-chloroethyl vinyl ether	143%
chloromethane	49.1%
bromomethane	25.8%
1,1,2-trichloroethane	38.2%
trans-1,3-dichloropropene	25.8%
tetrachloroethene	41.9%
ethyl methacrylate	33.7%

The results for 1,4-dioxane in the associated samples were previously rejected. Since the associated samples were trip blanks, no further action was required.

IV.) Blanks:

Method Blanks:

Methylene chloride was detected at 1.0 ug/L in water blank VBLKMJ. Since the associated samples were trip blanks, no action was required.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No action was required.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

No MS / MSD analyses were requested for this SDG. No action was necessary.

VII.) Field Duplicates:

There were no field duplicate samples associated with this SDG. No action was required.

VIII.) Internal Standards Performance:

All Internal Standards Performance criteria were met. No action was required.

IX.) TCL Compound Identification:

All TCL Compound Identification criteria were met, so no action was required.

X.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL's):

All CRQL criteria were met, so no action was required.

XI.) Tentatively Identified Compounds (TIC's):

All TIC criteria were met, so no action was taken.

XII.) System Performance:

All System Performance criteria were met, so no action was necessary.

XIII.) Overall Assessment of Data/General:

All results for isobutyl alcohol, crotonaldehyde and 1,4-dioxane were rejected due to low RRF's. All other laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

COMPUCHEM - 0015V Organics

SAMPLES: 510SB00301, 510SB00302, 510SB00401, 510SB00402, 515SB00201, 515SB00201MS, 515SB00201MSD, 519SB00101, 519CB00101, 519SB00102, 519SB00201, 519SB00202, 519SB00301, 519SB00302, 519SB00401, 519SB00402, 519SB00501, 519SB00502, 519SB00601, 519SB00602

VOLATILE ORGANICS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) GC/MS Tuning:

All GC/MS Tuning criteria were met, so no action was necessary.

III.) Calibration:

Initial Calibration:

The Average Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the initial calibration run on 4/12/95:

crotonaldehyde	0.009
isobutyl alcohol	0.008
1,4-dioxane	0.001
2-chloroethyl vinyl ether	0.030

The results for these compounds in all samples of this SDG, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) of the following compounds exceeded the 30% QC limit for the initial calibration run on 4/12/95:

isobutyl alcohol	69.1%
1,4-dioxane	90.2%
methylene chloride	56.4%
acetone	55.9%
propionitrile	31.9%

The results for isobutyl alcohol and 1,4-dioxane were previously rejected. There were no positive results for the other compounds in the associated samples. No further action was necessary.

Continuing Calibration:

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 4/25/95 at 23:58:

crotonaldehyde	0.010
isobutyl alcohol	0.006
1,4-dioxane	0.001
2-chloroethyl vinyl ether	0.012

The results for these compounds in the associated samples were previously rejected based on the initial calibration. No further action was required.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 4/25/95 at 23:58:

2-chloroethyl vinyl ether	58.4%
2-butanone	36.1%
1,1,1-trichloroethane	31.7%
carbon tetrachloride	30.5%
cis-1,3-dichloropropene	29.5%
2-hexanone	26.6%
1,1,2,2-tetrachloroethane	32.4%
trichlorofluoromethane	27.0%
methacrylonitrile	36.2%
methyl methacrylate	58.7%

The results for 2-chloroethyl vinyl ether in the associated samples were previously rejected. The results for the other compounds in associated samples 515SB00201, 510SB00401, 510SB00402 and 510SB00302, which consisted entirely of non-detects, were flagged as estimated (UJ).

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 4/27/95 at 22:48:

crotonaldehyde	0.012
isobutyl alcohol	0.006
1,4-dioxane	0.000
2-chloroethyl vinyl ether	0.015

The results for these compounds in the associated sample were previously rejected (R). No further action was required.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 4/27/95 at 22:48:

crotonaldehyde	34.8%
1,4-dioxane	73.3%
2-chloroethyl vinyl ether	50.1%
methylene chloride	53.6%
acetone	27.0%
2-butanone	60.4%
1,1,1-trichloroethane	35.6%
carbon tetrachloride	40.5%
4-methyl-2-pentanone	46.3%
2-hexanone	51.3%
1,1,2,2-tetrachloroethane	41.1%
acrolein	46.5%
trichlorofluoromethane	25.9%
3-chloropropene	29.4%
acrylonitrile	34.9%
methacrylonitrile	41.4%
methyl methacrylate	47.6%
ethyl methacrylate	28.1%
1,1,1,2-tetrachloroethane	28.5%
trans-1,4-dichloro-2-butene	58.9%

The results for crotoanldehyde, 1,4-dioxane and 2-chloroethyl vinyl ether in the associated samples were previously rejected. The results for the other compounds in associated samples 519SB00101, 510SB00301, 519CB00101, 519SB00102, 519SB00201, 519SB00202, 519SB00301, 519SB00302 and 519SB00401, which consisted entirely of non-detects, were flagged as estimated (UJ).

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 4/28/95 at 22:54:

isobutyl alcohol	0.011
1,4-dioxane	0.001
crotonaldehyde	0.014

The results for these compounds were previously rejected using the initial calibration. No further action was required.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 4/28/95 at 22:54:

isobutyl alcohol	35.2%
crotonaldehyde	50.6%
methylene chloride	71.4%
acetone	275%
2-butanone	70.5%
1,1,1-trichloroethane	32.2%
carbon tetrachloride	36.8%
cis-1,3-dichloropropene	27.2%
4-methyl-2-pentanone	43.2%

2-hexanone	68.7%
1,1,2,2-tetrachloroethane	38.5%
acrolein	50.6%
acetonitrile	34.3%
acrylonitrile	45.3%
propionitrile	84.4%
methacrylonitrile	78.8%
methyl methacrylate	76.2%
2-chloroethyl vinyl ether	508%
ethyl methacrylate	28.7%
1,1,1,2-tetrachloroethane	25.5%
trans-1,4-dichloro-2-butene	72.3%

The results for crotonaldehyde, isobutyl alcohol and 2-chloroethyl vinyl ether in the associated samples were previously rejected. The results for the other compounds in associated samples 519SB00501, 519SB00402, 519SB00502, 519SB00601 and 519SB00602, which consisted entirely of non-detects, were flagged as estimated (UJ).

IV.) Blanks:

Method Blanks:

Methylene chloride and acetone were detected at 17.0 ug/kg and 10.0 ug/kg, respectively, in soil blank VBLKD3. All positive results for these compounds in associated samples 515SB00201, 510SB00402, 510SB00401 and 510SB00302 less than 10X the blank amounts were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample.

Methylene chloride and acetone were detected at 13.0 ug/kg and 10.0 ug/kg, respectively, in soil blank VBLKE2. All positive results for methylene chloride and acetone in associated sample 510SB00301 less than 10X the blank amounts were flagged as undetected (U) with the detection limit being raised to the level of contamination in the sample.

Methylene chloride and acetone were detected at 13.0 ug/kg and 33.0 ug/kg, respectively, in soil blank VBLKH8. The positive results for these compound in associated samples 519SB00101, 519CB00101, 519SB00102, 519SB00201, 519SB00202, 519SB00301, 519SB00302 and 519SB00401 less than 10X the blank amounts were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample.

Methylene chloride and acetone were detected at 18.0 ug/kg and 2.0 ug/kg, respectively, in soil blank VBLKI1. All positive results for these compounds in associated samples 519SB00402, 519SB00502, 519SB00601 and 519SB00602 less than 10X the blank amounts were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample.

Methylene chloride and acetone were detected at 16.0 ug/kg and 4.0 ug/kg, respectively, in soil blank VBLKJ3. The positive results for these compounds in associated sample 519SB00501 less than 10X the blank amounts were flagged as undetected with the detection limit being raised to the level of contamination in the sample.

Trip Blanks:

Methylene chloride was detected at 1.0 ug/L in associated trip blank 515TB00602, which was analyzed in SDG 012VB. The results for this compound in the associated samples were previously qualified based on the method blanks. No further action was necessary.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No action was required.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

All MS / MSD criteria were met. No action was necessary.

VII.) Field Duplicates:

There were no calculable Relative Percent Differences (RPD's) for field duplicate samples 519CB00101 and 519SB00101. No action was required.

VIII.) Internal Standards Performance:

All Internal Standards Performance criteria were met. No action was required.

IX.) TCL Compound Identification:

All TCL Compound Identification criteria were met, so no action was required.

X.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL's):

All CRQL criteria were met, so no action was required.

XI.) Tentatively Identified Compounds (TIC's):

All TIC criteria were met, so no action was taken.

XII.) System Performance:

All System Performance criteria were met, so no action was necessary.

XIII.) Overall Assessment of Data/General:

All results for isobutyl alcohol, crotonaldehyde, 2-chloroethyl vinyl ether and 1,4-dioxane were rejected due to low RRF's. All other laboratory data were acceptable with qualification.

VALIDATA

Chemical Services, Inc.

P. O. Box 930422 Norcross, Ga. 30093

DATA VALIDATION SUMMARY REPORT

COMPANY:	Ensafe/Allen & Hoshall
SITE NAME:	Charleston Naval Base, Zone C
PROJECT NUMBER:	8500.014
CONTRACTED LAB:	CompuChem Environmental Co.
QA/QC LEVEL:	Level III
EPA SOW/METHOD:	EPA 1990 SOW
VALIDATION GUIDELINES:	*National Functional Guidelines for Organic Data Review,* 1994; *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review,* 1994
SAMPLE MATRICES:	Soil and Water
TYPES OF ANALYSES:	Volatile Organics (VOA)
SDG NUMBERS:	0004V, 0005V, 0006V, 0006VB, 0007V, 010VB, 0010V

SAMPLES:

SDG NUMBER: 0004V

Client Sample #:	Lab Sample #:	Matrix	VOA
047SB00101	697972	Soil	X
047SB00101RE	697972RE	Soil	X
047SB00102	697981	Soil	X
047SB00201	697987	Soil	X
517SB00101	698364	Soil	X
517SB00102	698369	Soil	X
517SB00201	698346	Soil	X
517SB00202	698351	Soil	X
517CB00202	698356	Soil	X
517SB00301	698336	Soil	X
517SB00302	698341	Soil	X
517SB00401	689309	Soil	X
517SB00402	698317	Soil	X

Client Sample #:	Lab Sample #:	Matrix	VOA
517SB00501	698322	Soil	X
517SB00502	698331	Soil	X
518SB00401	698922	Soil	X
518SB00401MS	697973MS	Soil	X
518SB00401MSD	697974MSD	Soil	X
523SB00101	697999	Soil	X
523SB00102	698011	Soil	X
523SB00201	698005	Soil	X
523SB00202	697994	Soil	X
523CB00202	698036	Soil	X

C = FIELD DUPLICATE, MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE, RE = REANALYSIS

SDG NUMBER: 0005V

Client Sample #:	Lab Sample #:	Matrix	VOA
516SB00101	699048	Soil	X
516SB00102	699061	Soil	X
516SB00201	699067	Soil	X
516SB00202	699073	Soil	X
518SB00101	699020	Soil	X
518SB00102	699025	Soil	X
518SB00201	698958	Soil	X
518SB00202	698976	Soil	X
518SB00301	699005	Soil	X
518SB00302	699012	Soil	X
518CB00401	699030	Soil	X
518CB00401MS	698959MS	Soil	X
518CB00401MSD	698959MSD	Soil	X
518SB00402	698998	Soil	X
518SB00501	698981	Soil	X
518SB00502	698986	Soil	X
520SB00101	700528	Soil	X
520SB00102	700536	Soil	X
520SB00201	700544	Soil	X
520SB00202	700549	Soil	X
520SB00301	700554	Soil	X
520SB00302	700559	Soil	X

C = FIELD DUPLICATE, MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

SDG NUMBER: 0006V

Client Sample #:	Lab Sample #:	Matrix	VOA
513SB00101	702267	Soil	X
513SB00102	702277	Soil	X
513SB00201	702288	Soil	X
513SB00202	702304	Soil	X
513SB00202MS	700568MS	Soil	X
513SB00202MSD	700569MSD	Soil	X
513SB00301	702314	Soil	X
513SB00302	702328	Soil	X
513SB00401	702334	Soil	X
513SB00402	702339	Soil	X
513SB00501	702348	Soil	X
513SB00502	702358	Soil	X
513SB00601	702367	Soil	X
520CB00302	701019	Soil	X
520SB00401	700567	Soil	X
520SB00402	700585	Soil	X
520SB00501	700590	Soil	X
520SB00502	700595	Soil	X
520SB00601	700600	Soil	X
520SB00602	700605	Soil	X
GRDCB01301	702010	Soil	X
GRDCB02302	701992	Soil	X

C = FIELD DUPLICATE, MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

SDG NUMBER: 006VB

Client Sample #:	Lab Sample #:	Matrix	VOA
GRDTB01301	702021	Water	X
GRDTB03502	702485	Water	X

TB = TRIP BLANK

SDG NUMBER: 0007V

Client Sample #:	Lab Sample #:	Matrix	VOA
044W001401	704846	Water	X
044W001601	704851	Water	X
044W001801	701871	Water	X
044W001901	701906	Water	X
044W001901MS	701872MS	Water	X
044W001901MSD	701873MSD	Water	X

Client Sample #:	Lab Sample #:	Matrix	VOA
044R001901	701926	Water	X
044W002001	701943	Water	X
044W002101	701963	Water	X
044W002201	704860	Water	X
044TB00101	701982	Water	X
044TB01401	704841	Water	X

R = FIELD DUPLICATE, MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE, TB = TRIP BLANK

SDG NUMBER: 010VB

Client Sample #:	Lab Sample #:	Matrix	VOA
GRDEB01701	702484	Water	X
GRDDB01701	702518	Water	X
GRDTB01701	702550	Water	X
047TB00401	703372	Water	X

TB = TRIP BLANK, EB = EQUIPMENT BLANK, DB = DEIONIZED BLANK

SDG NUMBER: 0010V

Client Sample #:	Lab Sample #:	Matrix	VOA
047SB00401	703279	Soil	X
047CB00401	703294	Soil	X
047SB00402	703282	Soil	X
047SB01101	703284	Soil	X
047SB01102	703285	Soil	X
047SB01201	703286	Soil	X
047SB01201MS	702383MS	Soil	X
047SB01201MSD	702384MSD	Soil	X
047SB01202	703288	Soil	X
047SB00301	703289	Soil	X
047SB00302	703290	Soil	X
047SB00801	703291	Soil	X
047SB00802	703295	Soil	X
047SB01301	703292	Soil	X
047SB01302	703293	Soil	X
047SB01501	703275	Soil	X
047SB01502	703276	Soil	X
513CB00202	702404	Soil	X
513SB00602	702382	Soil	X

Client Sample #:	Lab Sample #:	Matrix	VOA
GRDSB00701	703438	Soil	X
GRDCB01701	702576	Soil	X
GRDCB03502	702425	Soil	X

C = FIELD DUPLICATE, MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

DATA REVIEWER(S): Amy L. Hogan, Marvin L. Smith

RELEASE SIGNATURE:

Data Qualifier Definitions:

J	-	The associated numerical value is an estimated quantity.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

CompuChem - 0004V Organics

SAMPLES: 047SB00101, 047SB00101RE, 047SB00102, 047SB00201, 517SB00101, 517SB00102, 517SB00201, 517SB00202, 517CB00202, 517SB00301, 517SB00302, 517SB00401, 517SB00402, 517SB00501, 517SB00502, 518SB00401, 518SB00401MS, 518SB00401MSD, 523SB00101, 523SB00102, 523SB00201, 523SB00202, 523CB00202

VOLATILE ORGANICS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) GC/MS Tuning:

All GC/MS Tuning criteria were met, so no action was necessary.

III.) Calibration:

Initial Calibration:

The Average Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the initial calibration run on 4/01/95 on instrument OWA13:

crotonaldehyde	0.012
isobutyl alcohol	0.005
1,4-dioxane	0.001
2-chloroethyl vinyl ether	0.047

The results for these compounds in associated sample 047SB00101, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviation (%RSD) of 1,4-dioxane (46.2%) exceeded the 30% QC limit for the initial calibration run on 4/01/95 on instrument OWA13. The result for this compound was previously rejected.

The Average Relative Response Factors (RRF's) for the following compounds were below 0.050 QC limit for the initial calibration run on 4/07/95 on instrument OWA13:

isobutyl alcohol	0.004
1,4-dioxane	0.000
crotonaldehyde	0.011
2-chloroethyl vinyl ether	0.029

The results for these compounds in associated samples 047SB00102, 047SB00201, 523SB00202, 523SB00101, 523SB00201, 523SB00102 and 523CB00202, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) of the following compounds exceeded the 30% QC limit for the initial calibration run on 4/07/95 on instrument OWA13:

acetone	32.4%
methylene chloride	38.1%
1,4-dioxane	30.7%
2-chloroethyl vinyl ether	30.1%

The positive results for acetone in the associated samples were flagged as estimated (J). There were no positive results for methylene chloride in the associated samples, so no action was necessary. The results for the other compounds in the associated samples were previously rejected due to low RRF's. No further action was required.

The Average Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the initial calibration run on 4/12/95 on instrument OWA13:

crotonaldehyde	0.009
isobutyl alcohol	0.008
1,4-dioxane	0.001
2-chloroethyl vinyl ether	0.030

The results for these compounds in associated samples 047B00101RE, 517SB00401, 517SB00402, 517SB00501, 517SB00502, 517SB00301, 517SB00302, 517SB00201, 517SB00202, 517CB00202, 517SB00101, 517SB00102 and 518SB00401, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) of the following compounds exceeded the 30% QC limit for the initial calibration run on 4/12/95 on instrument OWA13:

isobutyl alcohol	69.1%
1,4-dioxane	90.2%
methylene chloride	56.4%
acetone	55.9%
propionitrile	31.9%

The results for isobutyl alcohol and 1,4-dioxane were previously rejected. The positive results for acetone in associated samples 047B00101RE, 517SB00401, 517SB00402, 517SB00501, 517SB00502, 517SB00301, 517SB00302, 517SB00201, 517SB00202, 517CB00202, 517SB00101, 517SB00102 and 518SB00401 were flagged as estimated (J). There were no positive results for the other compounds in the associated samples. No further action was necessary.

Continuing Calibration:

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 4/06/95 at 07:46 on instrument OWA13:

propionitrile	0.045
isobutyl alcohol	0.002
1,4-dioxane	0.000
crotonaldehyde	0.006
2-chloroethyl vinyl ether	0.024

The non-detect result for propionitrile in associated sample 047SB00101 was rejected (R). The results for the other compounds were previously rejected using the associated initial calibration.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 4/06/95 at 07:46 on instrument OWA13:

crotonaldehyde	51.4%
isobutyl alcohol	66.0%
1,4-dioxane	76.8%
2-chloroethyl vinyl ether	48.1%
chloromethane	29.2%
carbon disulfide	52.7%
1,1-dichloroethane	31.0%
1,1,1-trichloroethane	40.2%
carbon tetrachloride	41.5%
bromodichloromethane	32.4%
dicbromochloromethane	45.0%
1,1,2-trichloroethane	33.4%
trans-1,3-dichlorpropene	33.9%
bromoform	54.6%
acetonitrile	43.0%
methyl methacrylate	34.4%
1,2-dibromoethane	44.5%
1,1,1,2-tetrachloroethane	42.6%
cis-1,4-dichloro-2-butene	39.6%
1,2,3-trichlorpropane	43.8%
trans-1,4-dichloro-2-butene	25.7%
1,2-dibromo-3-chloropropane	54.2%

The results for propionitrile, crotonaldehyde, isobutyl alcohol and 2-chloroethyl vinyl ether in the associated sample were previously rejected. The results for the other compounds in the associated sample, which consisted entirely of non-detects, were flagged as estimated (UJ).

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration on 4/07/95 at 06:40 on instrument OWA13:

crotonaldehyde	0.015
isobutyl alcohol	0.005
1,4-dioxane	0.000
2-chloroethyl vinyl ether	0.037

The results for these compounds in the associated samples were previously rejected based on the initial calibration. No further action was required.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 4/07/95 at 06:40 on instrument OWA13:

crotonaldehyde	31.9%
2-chloroethyl vinyl ether	27.6%
2-butanone	31.5%

The results for crotonaldehyde and 2-chloroethyl vinyl ether were previously rejected based on the initial calibration. The results for the other compound in associated samples 047SB00102, 047SB00201, 523SB00202, 523SB00101, 523SB00201, 523SB00102 and 523CB00202, which consisted entirely of non-detects, were flagged as estimated (UJ).

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 4/13/95 at 14:20 on instrument OWA13:

crotonaldehyde	0.009
isobutyl alcohol	0.006
1,4-dioxane	0.000
2-chloroethyl vinyl ether	0.028

The results for these compounds in the associated samples were previously rejected based on the initial calibration. No further action was necessary.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 4/13/95 at 14:20 on instrument OWA13:

methylene chloride	39.5%
acetone	37.50%
isobutyl alcohol	29.0%
1,4-dioxane	58.6%

The results for methylene chloride and acetone in associated sample 047SB00101RE, which consisted entirely of non-detects, were flagged as estimated (UJ). The results for the other compounds were previously rejected.

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 4/14/95 at 04:11 on instrument OWA13:

crotonaldehyde	0.010
isobutyl alcohol	0.005
1,4-dioxane	0.000
2-chloroethyl vinyl ether	0.027

The results for these compounds in the associated samples were previously rejected. No further action was required.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 4/14/95 at 04:11 on instrument OWA13:

isobutyl alcohol	42.5%
methylene chloride	33.7%
acetone	40.6%
carbon disulfide	26.6%
methyl methacrylate	32.2%
1,4-dioxane	74.2%

The results for isobutyl alcohol in the associated samples were previously rejected. The results for the other compounds in associated samples 517SB00401, 517SB00402, 517SB00501, 517SB00502, 517SB00301, 517SB00302, 517SB00201, 517SB00202, 517CB00202 and 517SB00101, which consisted entirely of non-detects, were flagged as estimated (UJ).

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 4/14/95 at 16:57 on instrument OWA13:

crotonaldehyde	0.009
isobutyl alcohol	0.005
1,4-dioxane	0.000
2-chloroethyl vinyl ether	0.021

The results for these compounds in the associated samples were previously rejected based on the initial calibration. No further action was required.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 4/14/95 at 16:57 on instrument OWA13:

isobutyl alcohol	35.0%
1,4-dioxane	67.0%
2-chloroethyl vinyl ether	29.6%
acetone	42.8%
cis-1,3-dichloropropene	28.5%
trans-1,3-dichloropropene	28.4%

The results for isobutyl alcohol, 1,4-dioxane and 2-chloroethyl vinyl ether in the associated samples were previously rejected. The results for the other compounds in associated sample 517SB00102, which consisted entirely of non-detects, were flagged as estimated (UJ).

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 4/16/95 at 21:32 on instrument OWA13:

crotonaldehyde	0.013
isobutyl alcohol	0.005
1,4-dioxane	0.000
2-chloroethyl vinyl ether	0.023

The results for these compounds in associated sample 518SB00401 were previously rejected (R). No further action was required.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 4/16/95 at 21:32 on instrument OWA13:

isobutyl alcohol	36.9%
1,4-dioxane	63.1%
crotonaldehyde	45.1%

The results for these compounds in associated sample 518SB00401 were preciously rejected. No further action was required.

IV.) Blanks:

Method Blanks:

Methylene chloride was detected at 10 ug/kg in soil blank VBLKB2. The positive result for this compound in associated sample 518SB00401, which was less than 10X the blank amount was flagged as undetected (U) with the detection limit being raised to the level of contamination in the sample.

Methylene chloride and acetone were detected at 12 ug/kg and 20 ug/kg, respectively, in soil blank VBLKH3. The positive results for these compounds in associated sample 047SB00101RE, which were less than 10X the blank amount, were flagged as undetected (U) with the detection limit being raised to the level of contamination in the sample.

Methylene chloride and acetone were detected at 15 ug/kg and 44 ug/kg, respectively, in soil blank VBLKV9. All positive results for these compounds in associated sample 047SB00101, which were less than 10X the blank amount were flagged as undetected (U) with the detection limit being raised to the level of contamination in the sample.

Acetone and methylene chloride were detected at 6 ug/kg and 12 ug/kg, respectively, in soil blank VBLKW2. All positive results these compounds in associated samples 047SB0012, 047SB00201, 523SB00202, 523SB00101, 523SB00201, 523SB00102 and 523CB00202 less than 10X the blank amount were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample.

Methylene chloride was detected at 24 ug/kg in soil blank VBLKY8. All positive results for this compound in associated samples 517SB00401, 517SB00402, 517SB00501, 517SB00402, 517SB00301, 517SB00302, 517SB00201, 517SB00202, 517CB00202 and 517SB00101 less than 10X the blank amount were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample.

Methylene chloride was detected at 15 ug/kg in soil blank VBLKY9. The positive result for this compound in associated sample 517SB00102, which was less than 10X the blank amount, was flagged as undetected (U) with the detection limit being raised to the level of contamination in the sample.

Field Blanks:

Methylene chloride was detected at 2 ug/L in trip blank 517TB00202, which was analyzed in SDG 004VB. All results for this compound in the associated samples were previously qualified based on the method blanks. No further action was necessary.

Methylene chloride and chloroform were detected at 1 ug/L and 7 ug/L, respectively, in deionized blank 523DB00202, which was analyzed in SDG 004VB. All results for methylene chloride were previously qualified. There were no positive results for chloroform in the associated samples, so no action was necessary.

Chloroform was detected at 4 ug/L in equipment blank 523EB00202, which was analyzed in SDG 004VB. There were no positive results for chloroform in the associated samples. No action was required.

Acetone and methylene chloride were detected at 4 ug/L and 2 ug/L, respectively, in trip blank 518TB00401, which was analyzed in SDG 005VB. The results for these compounds in the associated samples were previously qualified based on the method blanks. No further action was necessary.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No action was required.

VI.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

All MS / MSD criteria were met. No action was necessary.

VII.) Field Duplicates:

There were no calculable Relative Percent Differences (RPD's) for field duplicate sample pairs 517SB00202 / 517CB00202 and 523SB00202 / 523CB00202. No action was required.

VIII.) Internal Standards Performance:

All Internal Standards Performance criteria were met. No action was required.

IX.) TCL Compound Identification:

All TCL Compound Identification criteria were met, so no action was required.

X.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL's):

All CRQL criteria were met, so no action was required.

XI.) Tentatively Identified Compounds (TIC's):

All TIC criteria were met, so no action was taken.

XII.) System Performance:

All System Performance criteria were met, so no action was necessary.

XIII.) Overall Assessment of Data/General:

All results for isobutyl alcohol, crotonaldehyde, 1,4-dioxane and 2-chloroethyl vinyl ether were rejected due to low RRF's. The original analysis of sample 047SB00101 is considered by the validator to be of preferable data quality due to better holding time criteria. All remaining laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

CompuChem - 0005V Organics

SAMPLES: 516SB00101, 516SB00102, 516SB00201, 516SB00202, 518SB00101, 518SB00102, 518SB00201, 518SB00202, 518SB00301, 518SB00302, 518CB00401, 518CB00401MS, 518CB00401MSD, 518SB00402, 518SB00501, 518SB00502, 520SB00101, 520SB00102, 520SB00201, 520SB00202, 520SB00301, 520SB00302

VOLATILE ORGANICS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) GC/MS Tuning:

All GC/MS Tuning criteria were met, so no action was necessary.

III.) Calibration:

Initial Calibration:

The Average Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the initial calibration run on 4/12/95 on instrument OWA13:

crotonaldehyde	0.009
isobutyl alcohol	0.008
1,4-dioxane	0.001
2-chloroethyl vinyl ether	0.030

The results for these compounds in all samples for this SDG, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) of the following compounds exceeded the 30% QC limit for the initial calibration run on 4/12/95 on instrument OWA13:

isobutyl alcohol	69.1%
1,4-dioxane	90.2%
methylene chloride	56.4%
acetone	55.9%
propionitrile	31.9%

The results for isobutyl alcohol and 1,4-dioxane were previously rejected. The positive results for acetone in all samples in this SDG were flagged as estimated (J). There were no positive results for the other compounds in the associated samples. No further action was necessary.

Continuing Calibration:

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 4/14/95 at 16:57 on instrument OWA13:

crotonaldehyde	0.009
isobutyl alcohol	0.005
1,4-dioxane	0.000
2-chloroethyl vinyl ether	0.021

The results for these compounds in the associated samples were previously rejected based on the initial calibration. No further action was required.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 4/14/95 at 16:57 on instrument OWA13:

isobutyl alcohol	35.0%
1,4-dioxane	67.0%
2-chloroethyl vinyl ether	29.6%
acetone	42.8%
cis-1,3-dichloropropene	28.5%
trans-1,3-dichloropropene	28.4%

The results for isobutyl alcohol, 1,4-dioxane and 2-chloroethyl vinyl ether in the associated sample were previously rejected. The results for the other compounds in associated sample 518SB00102, which consisted entirely of non-detects, were flagged as estimated (UJ).

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 4/16/95 at 21:32 on instrument OWA13:

crotonaldehyde	0.013
isobutyl alcohol	0.005
1,4-dioxane	0.000
2-chloroethyl vinyl ether	0.023

The results for these compounds in the associated sample were previously rejected. No further action was required.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 4/16/95 at 21:32 on instrument OWA13:

isobutyl alcohol	36.9%
1,4-dioxane	63.1%
crotonaldehyde	45.1%

The results for these compounds in the associated sample were previously rejected. No further action was required.

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 4/18/95 at 23:16 on instrument OWA13:

isobutyl alcohol	0.004
1,4-dioxane	0.000
crotonaldehyde	0.008
2-chloroethyl vinyl ether	0.029

The results for these compounds were previously rejected using the initial calibration. No further action was required.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 4/18/95 at 23:16 on instrument OWA13:

isobutyl alcohol	47.0%
1,4-dioxane	78.5%
methylene chloride	30.1%
acetone	31.7%
bromoform	29.0%
methacrylonitrile	25.3%
methyl methacrylate	25.4%

The results for isobutyl alcohol and 1,4-dioxane in the associated samples were previously rejected. The results for the other compounds in associated samples 518SB00301, 518SB00302 and 518SB00101, which consisted entirely of non-detects, were flagged as estimated (UJ).

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 4/20/95 at 14:47 on instrument OWA13:

2-butanone	0.047
propionitrile	0.047
crotonaldehyde	0.007
isobutyl alcohol	0.006
methyl methacrylate	0.047
1,4-dioxane	0.001
2-chloroethyl vinyl ether	0.013

The results for 2-butanone, propionitrile and methyl methacrylate in associated samples 520SB00101, 520SB00102, 520SB00201, 520SB00202, 520SB00301 and 520SB00302, which consisted entirely of non-detects, were rejected (R). The results for the other compounds were previously rejected.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 4/20/95 at 14:47 on instrument OWA13:

2-chloroethyl vinyl ether	56.3%
acetone	57.2%
carbon disulfide	28.2%
cis-1,3-dichloropropene	33.5%
trans-1,3-dichloropropene	33.0%
acrolein	27.2%
acrylonitrile	26.0%
vinyl acetate	25.7%
cis-1,4-dichloro-2-butene	27.1%
trans-1,4-dichloro-2-butene	25.1%

The results for 2-chloroethyl vinyl ether in the associated samples were previously rejected. The results for the other compounds in associated samples 520SB00101, 520SB00102, 520SB00201, 520SB00202, 520SB00301 and 520SB00302, which consisted entirely of non-detects, were flagged as estimated (UJ).

IV.) Blanks:

Method Blanks:

Methylene chloride and 1,2-dibromo-3-chloropropane were detected at 5 ug/kg and 2 ug/kg, respectively, in soil blank VBLKB2. All positive results for methylene chloride in associated samples 518CB00401, 516SB00101, 516SB00102, 516SB00201, 516SB00202, 518SB00201, 518SB00202, 518SB00501, 518SB00502 and 518SB00402 less than 10X the blank amount were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample. There were no positive results for 1,2-dibromo-3-chloropropane in the associated samples.

Methylene chloride, acetone and 1,2-dibromo-3-chloropropane were detected at 19 ug/kg, 20 ug/kg and 3 ug/kg, respectively, in soil blank VBLKB3. All positive results for methylene chloride and acetone in associated samples 518SB00301, 518SB00302 and 518SB00101 less than 10X the blank amount were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample. There were no positive results for 1,2-dibromo-3-chloropropane in the associated samples.

Methylene chloride was detected at 10 ug/kg in soil blank VBLKB7. The positive result for this compound in associated sample 518SB00102, which was less than 10X the blank amount, was flagged as undetected (U) with the detection limit being raised to the level of contamination in the sample.

Methylene chloride and acetone were detected at 7 ug/kg and 9 ug/kg, respectively, in soil blank VBLKI5. All positive results for these compounds in associated samples 520SB00101, 520SB00102, 520SB00201, 520SB00202, 520SB00301 and 520SB00302 less than 10X the blank amount were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample.

Trip Blanks:

Acetone and methylene chloride were detected at 4 ug/L and 2 ug/L, respectively, in trip blank 518TB00401, which was analyzed in SDG 005VB. The results for these compounds in the associated samples were previously qualified based on the method blanks. No further action was necessary.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met, No action was required.

VI.) Matrix Spike/Matrix Spike Duplicate (MS / MSD):

There were no MS / MSD analyses for this SDG. No action was necessary.

VII.) Field Duplicates:

There were no calculable Relative Percent Differences (RPD's) for field duplicate samples 518CB00401 and 518SB00401. No action was required.

VIII.) Internal Standards Performance:

All Internal Standards Performance criteria were met. No action was required.

IX.) TCL Compound Identification:

All TCL Compound Identification criteria were met, so no action was required.

X.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL's):

All CRQL criteria were met, so no action was required.

XI.) Tentatively Identified Compounds (TIC's):

All TIC criteria were met, so no action was taken.

XII.) System Performance:

All System Performance criteria were met, so no action was necessary.

XIII.) Overall Assessment of Data/General:

All results for isobutyl alcohol, crotonaldehyde, 2-chloroethyl vinyl ether and 1,4-dioxane were rejected due to low RRF's. All other laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

CompuChem - 0006V Organics

SAMPLES: 513SB00101, 513SB00102, 513SB00201, 513SB00202, 513SB00202MS, 513SB00202MSD, 513SB00301, 513SB00302, 513SB00401, 513SB00402, 513SB00501, 513SB00502, 513SB00601, 520CB00302, 520SB00401, 520SB00402, 520SB00501, 520SB00502, 520SB00601, 520SB00602, GRDCB01301, GRDCB02302

VOLATILE ORGANICS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) GC/MS Tuning:

All GC/MS Tuning criteria were met, so no action was necessary.

III.) Calibration:

Initial Calibration:

The Average Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the initial calibration run on 4/12/95 on instrument OWA13:

crotonaldehyde	0.009
isobutyl alcohol	0.008
1,4-dioxane	0.001
2-chloroethyl vinyl ether	0.030

The results for these compounds in all samples of this SDG, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) of the following compounds exceeded the 30% QC limit for the initial calibration run on 4/12/95 on instrument OWA13:

isobutyl alcohol	69.1%
1,4-dioxane	90.2%
methylene chloride	56.4%
acetone	55.9%
propionitrile	31.9%

The results for isobutyl alcohol and 1,4-dioxane were previously rejected. The positive results for acetone in all samples of this SDG were flagged as estimated (J). There were no positive results for the other compounds in the associated samples. No further action was necessary.

Continuing Calibration:

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 4/20/95 at 14:47 on instrument OWA13:

2-butanone	0.047
propionitrile	0.047
crotonaldehyde	0.007
isobutyl alcohol	0.006
methyl methacrylate	0.047
1,4-dioxane	0.001
2-chloroethyl vinyl ether	0.013

The results for 2-butanone, propionitrile and methyl methacrylate in associated sample 520SB00401, which consisted entirely of non-detects, were rejected (R). The results for the other compounds were previously rejected.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 4/20/95 at 14:47 on instrument OWA13:

2-chloroethyl vinyl ether	56.3%
acetone	57.2%
carbon disulfide	28.2%
cis-1,3-dichloropropene	33.5%
trans-1,3-dichloropropene	33.0%
acrolein	27.2%
acrylonitrile	26.0%
vinyl acetate	25.7%
cis-1,4-dichloro-2-butene	27.1%
trans-1,4-dichloro-2-butene	25.1%

The result for 2-chloroethyl vinyl ether in the associated sample was previously rejected. The results for the other compounds in associated sample 520SB00401, which consisted entirely of non-detects, were flagged as estimated (UJ).

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 4/21/95 at 05:30 on instrument OWA13:

crotonaldehyde	0.009
isobutyl alcohol	0.006
1,4-dioxane	0.000
2-chloroethyl vinyl ether	0.016

The results for these compounds were previously rejected using the initial calibration. No further action was necessary.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 4/21/95 at 05:30 on instrument OWA13:

isobutyl alcohol	30.3%
1,4-dioxane	62.6%
2-chloroethyl vinyl ether	47.5%
carbon disulfide	27.9%
bromoform	25.2%
methyl methacrylate	27.7%

The results for isobutyl alcohol, 1,4-dioxane and 2-chloroethyl vinyl ether in the associated samples were previously rejected. The results for the other compounds in associated samples 520SB00402, 520SB00501, 520SB00502, 520SB00601, 520SB00602 and 520CB00302, which consisted entirely of non-detects, were flagged as estimated (UJ).

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 4/25/95 at 12:23 on instrument OWA13:

propionitrile	0.047
crotonaldehyde	0.007
isobutyl alcohol	0.005
1,4-dioxane	0.000
2-chloroethyl vinyl ether	0.011

The results for propionitrile in associated samples GRDCB02302, GRDCB01301, 513SB00101, 513SB00102, 513SB00201, 513SB00202, 513SB00301, 513SB00302, 513SB00401, 513SB00402, 513SB00501, 513SB00502 and 513SB00601, which consisted entirely of non-detects, were rejected (R). The results for the other compounds were previously rejected.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 4/25/95 at 12:23 on instrument OWA13:

isobutyl alcohol	35.2%
1,4-dioxane	43.2%
2-chloroethyl vinyl ether	63.1%
chloromethane	26.6%
methylene chloride	32.1%
acetone	30.1%
1,1,1-trichloroethane	32.4%
carbon tetrachloride	35.9%
dibromochloromethane	26.0%
trans-1,3-dichlorpropene	28.5%
bromoform	43.2%
acrolein	28.4%
vinyl acetate	31.3%

propionitrile	25.3%
cis-1,4-dichloro-2-butene	33.3%
trans-1,4-dichlor-2-butene	33.7%
1,2-dibromo-3-chloropropane	46.4%

The results for isobutyl alcohol, 1,4-dioxane, 2-chloroethyl vinyl ether and propionitrile in the associated samples were previously rejected. The results for the other compounds in associated samples GRDCB02302, GRDCB01301, 513SB00101, 513SB00102, 513SB00201, 513SB00202, 513SB00301, 513SB00302, 513SB00401, 513SB00402, 513SB00501, 513SB00502 and 513SB00601, which consisted entirely of non-detects, were flagged as estimated (UJ).

IV.) Blanks:

Method Blanks:

Methylene chloride and acetone were detected at 7 ug/kg and 9 ug/kg, respectively, in soil blank VBLKI5. All positive results for these compounds in associated sample 520SB00401 less than 10X the blank amount were flagged as undetected (U) with the detection limit being raised to the level of contamination in the sample.

Methylene chloride, acetone and 1,2-dibromo-3-chloropropane were detected at 18 ug/kg, 15 ug/kg and 3 ug/kg, respectively, in soil blank VBLKI6. All positive results for methylene chloride and acetone in associated samples 520SB00402, 520SB00501, 520SB00502, 520SB0061, 520SB0062 and 520CB0032 less than 10X the blank amount were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample. There were no positive results for 1,2-dibromo-3-chloropropane in the associated samples. No further action was necessary.

Methylene chloride and acetone were detected at 14 ug/kg and 40 ug/kg, respectively, in soil blank VBLKY1. All positive results for these compounds in associated samples GRDCB02302, GRDCB01301, 513SB00101, 513SB00102, 513SB00201, 513SB00202, 513SB003001, 513SB00302, 513SB00401, 513SB00402, 513SB00501, 513SB0052 and 513SB00601 less than 10X the blank amount were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample.

Trip Blanks:

There were no positive detections in associated trip blank GRDTB00302, which was analyzed in SDG 006VB. No action was required.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No action ws required.

VI.) Matrix Spike/Matrix Spike Duplicate (MS / MSD):

All MS / MSD criteria were met. No action was necessary.

VII.) Field Duplicates:

There were no calculable Relative Percent Differences (RPD's) for field duplicate samples 513SB00202 and 513CB00202 (analyzed in SDG 0010V). No action was required.

The field duplicate samples for 520CB00302, GRDCB01301 and GRDCB02302 were not found in the reviewed SDG's. No action was taken.

VIII.) Internal Standards Performance:

All Internal Standards Performance criteria were met. No action was required.

IX.) TCL Compound Identification:

All TCL Compound Identification criteria were met, so no action was required.

X.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL's):

All CRQL criteria were met, so no action was required.

XI.) Tentatively Identified Compounds (TIC's):

All TIC criteria were met, so no action was taken.

XII.) System Performance:

All System Performance criteria were met, so no action was necessary.

XIII.) Overall Assessment of Data/General:

All results for isobutyl alcohol, crotonaldehyde, 1,4-dioxane, and 2-chloroethyl vinyl ether were rejected due to low RRF's. All other laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

CompuChem - 006VB Organics

SAMPLES: GRDTB01301, GRDTB03502

VOLATILE ORGANICS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) GC/MS Tuning:

All GC/MS Tuning criteria were met, so no action was necessary.

III.) Calibration:

Initial Calibration:

The Average Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the initial calibration run on 4/20/95 on instrument F50055:

crotonaldehyde	0.006
isobutyl alcohol	0.005
1,4-dioxane	0.002
2-chloroethyl vinyl ether	0.012

The results for these compounds in associated sample GRDTB01301, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) of the following compounds exceeded the 30% QC limit for the initial calibration run on 4/20/95 on instrument F50055:

1,4-dioxane	30.5%
2-chloroethyl vinyl ether	30.0%
chloromethane	31.0%
methacrylonitrile	78.0%
1,3-dichlorobenzene	48.5%
1,4-dichlorobenzene	52.0%
1,2-dichlorobenzene	50.5%

The results for 2-chloroethyl vinyl ether and 1,4-dioxane were previously rejected. There were no positive results for the other compounds in associated sample GRDTB01301. No further action was necessary.

The Average Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for initial calibration run on 4/25/95 on instrument F50055:

crotonaldehyde	0.007
isobutyl alcohol	0.003
1,4-dioxane	0.001
2-chloroethyl vinyl ether	0.011

The results for these compounds in associated sample GRDTB03502, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) of the following compounds exceeded the 30% QC limit for the initial calibration run on 4/25/95 on instrument F50055:

isobutyl alcohol	54.7%
2-chloroethyl vinyl ether	68.2%
acetone	37.1%
2-hexanone	30.6%

The results for isobutyl alcohol and 2-chloroethyl vinyl ether in associated sample GRDTB03502 were previously rejected. There were no positive results for the other compounds in the associated sample. No action was required.

Continuing Calibration:

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 4/22/95 at 14:59 on instrument F50055:

crotonaldehyde	0.007
isobutyl alcohol	0.005
1,4-dioxane	0.001
2-chloroethyl vinyl ether	0.005

The results for these compounds in associated sample GRDTB01301 were previously rejected. No further action was necessary.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 4/22/95 at 14:59 on instrument F50055:

2-chloroethyl vinyl ether	61.9%
chloromethane	43.2%
1,2-dichloroethane	43.6%
1,1,1-trichloroethane	27.7%

carbon tetrachloride	31.5%
methyl methacrylate	27.9%

The results for 2-chloroethyl vinyl ether in associated sample GRDTB0350 were previously rejected. Since the only associated sample was a trip blank, no further action was required.

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 4/25/95 at 22:11 on instrument F50055:

crotonaldehyde	0.009
isobutyl alcohol	0.007
1,4-dioxane	0.001
2-chloroethyl vinyl ether	0.008

The results for these compounds were previously rejected using the associated initial calibration. No further action was necessary.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 4/25/95 at 22:11 on instrument F50055:

isobutyl alcohol	91.8%
1,4-dioxane	121%
2-chloroethyl vinyl ether	25.6%
chloromethane	70.8%
bromomethane	25.4%
chloroethane	28.0%
2-butanone	25.2%
trans-1,3-dichlorpropene	29.2%
1,1,1-trichloro-2,2,2-triflu	42.2%
1,1,2-trichloro-1,2,2-triflu	46.8%
propionitrile	48.3%
methacrylonitrile	39.4%
methyl methacrylate	69.7%

The results for isobutyl alcohol, 1,4-dioxane and 2-chloroethyl vinyl ether in the associated sample were previously rejected. Since the only associated sample was trip blank GRDTB03502, no further action was taken.

IV.) Blanks:

Method Blanks:

Methylene chloride was detected at 4 ug/L in water blank VBLKKH and at 2 ug/L in water blank VBLK320. Since the associated samples were field blanks, no action was required.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No action was required.

VI.) Matrix Spike/Matrix Spike Duplicate (MS / MSD):

There were no MS / MSD analyses for this SDG. No action was necessary.

VII.) Field Duplicates:

There were no field duplicate samples for this SDG. No action was necessary.

VIII.) Internal Standards Performance:

All Internal Standards Performance criteria were met. No action was required.

IX.) TCL Compound Identification:

All TCL Compound Identification criteria were met, so no action was required.

X.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL's):

All CRQL criteria were met, so no action was required.

XI.) Tentatively Identified Compounds (TIC's):

All TIC criteria were met, so no action was taken.

XII.) System Performance:

All System Performance criteria were met, so no action was necessary.

XIII.) Overall Assessment of Data/General:

All results for isobutyl alcohol, crotonaldehyde, 1,4-dioxane, and 2-chloroethyl vinyl ether were rejected due to low RRF's. All other laboratory data were acceptable without qualification.

DATA QUALIFICATION SUMMARY

CompuChem - 0007V Organics

SAMPLES: 044W001401, 044W001601, 044W001801, 044W001901, 044W001901MS, 044W001901MSD, 044R001901, 044W002001, 044W002101, 044W002201, 044TB00101, 044TB001401

VOLATILE ORGANICS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) GC/MS Tuning:

All GC/MS Tuning criteria were met, so no action was necessary.

III.) Calibration:

Initial Calibration:

The Average Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the initial calibration run on 4/26/95 on instrument F50054:

propionitrile	0.045
crotonaldehyde	0.004
isobutyl alcohol	0.004
1,4-dioxane	0.001
methyl methacrylate	0.042
2-chloroethyl vinyl ether	0.004
trans-1,4-dichloro-2-butene	0.043

The results for these compounds in associated samples 044W002101, 044R001901, 044W002001, 044W001601 and 044W002201, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) of the following compounds exceeded the 30% QC limit for the initial calibration run on 4/26/95 on instrument F50054:

isobutyl alcohol	65.0%
1,4-dioxane	101%
2-chloroethyl vinyl ether	51.7%
2-butanone	112%

The results for isobutyl alcohol, 2-chloroethyl vinyl ether and 1,4-dioxane were previously rejected. There were no positive results for the other compounds in the associated samples. No further action was necessary.

The Average Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the initial calibration run on 4/25/95 on instrument F50055:

crotonaldehyde	0.007
isobutyl alcohol	0.003
1,4-dioxane	0.001
2-chloroethyl vinyl ether	0.011

The results for these compounds in associated samples 044TB00101, 044W001801 and 044W001901, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) of the following compounds exceeded the 30% QC limit for the initial calibration run on 4/25/95 on instrument F50055:

isobutyl alcool	54.7%
2-chloroethyl vinyl ether	68.2%
acetone	37.1%
2-hexanone	30.6%

There were no positive results for acetone and 2-hexanone in the associated samples 044TB00101, 044W001801 and 044W001901. No action was required. The results for the other compounds were previously rejected.

The Average Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the initial calibration run on 4/26/95 on instrument F50055:

crotonaldehyde	0.010
isobutyl alcohol	0.011
1,4-dioxane	0.002

The results for these compounds in associated samples 044TB01401 and 044W001401, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) of the following compounds exceeded the 30% QC limit for the initial calibration run on 4/26/95 on instrument F50055:

isobutyl alcohol	43.2%
1,4-dioxane	47.3%
dibromochloromethane	32.1%
1,1,2-trichloroethane	37.1%
bromoform	32.4%
4-methyl-2-pentanone	40.6%
2-hexanone	40.2%
1,1,2,2-tetrachloroethane	33.9%

acrolein	36.0%
trichlorofluoromethane	32.0%
iodomethane	35.9%
acrylonitrile	38.0%
2-chloroethyl vinyl ether	103%
ethyl methacrylate	32.0%
1,2-dibromoethane	33.1%
cis-1,4-dichloro-2-butene	30.9%
1,2,3-trichloropropane	35.6%
1,2-dibromo-3-chloropropane	40.5%
1,4-dichloropropane	30.8%
1,2-dichloropropane	31.0%

The results for isobutyl alcohol and 1,4-dioxane were previously rejected. The results for the other compounds in the associated samples consisted entirely of non-detects. No further action was necessary.

Continuing Calibration:

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 4/26/95 at 14:27 on instrument F50054:

propionitrile	0.047
crotonaldehyde	0.005
isobutyl alcohol	0.002
methyl methacrylate	0.043
1,4-dioxane	0.000
2-chloroethyl vinyl ether	0.007
trans-1,4-dichloro-2-butene	0.041

The results for these compounds in the associated samples were previously rejected. No further action was necessary.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 4/26/95 at 14:27 on instrument F50054:

2-chloroethyl vinyl ether	82.8%
isobutyl alcohol	47.2%
1,4-dioxane	85.9%
2-butanone	44.3%

The results for 2-butanone in associated samples 044W002101, 044R001901 and 044W002001, which consisted entirely of non-detects, were flagged as estimated (UJ). The results for the other compounds were previously rejected.

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 4/27/95 at 08:34 on instrument F50055:

propionitrile	0.047
crotonaldehyde	0.005
isobutyl alcohol	0.003
methyl methacrylate	0.046
1,4-dioxane	0.001

The results for these compounds in the associated samples were previously rejected. No further action was necessary.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 4/27/95 at 08:34 on instrument F50055:

1,4-dioxane	25.3%
2-chloroethyl vinyl ether	2200%
acetone	55.0%
1,2-dichloroethane	34.5%
2-butanone	47.2%
cis-1,3-dichloropropene	26.6%
trans-1,3-dichlorpropene	29.1%
acrolein	46.8%
trichlorofluoromethane	29.2%
cis-1,4-dichloro-2-butene	31.1%

The results for 1,4-dioxane in the associated samples were previously rejected. The results for the other compounds in associated samples 044W001601 and 044W002201, which consisted entirely of non-detects, were flagged as estimated (UJ).

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 4/25/95 at 14:10 on instrument F50055:

crotonaldehyde	0.008
isobutyl alcohol	0.008
1,4-dioxane	0.002
2-chloroethyl vinyl ether	0.006

The results for these compounds in associated samples 044W001601 and 044W002201 were previously rejected. No further action was required.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 4/25/95 at 14:10 on instrument F50055:

isobutyl alcohol	126%
1,4-dioxane	2200%
2-chloroethyl vinyl ether	46.7%
2-butanone	56.2%
propionitrile	40.8%
1,2-dibromo-3-chloropropane	29.2%

The results for isobutyl alcohol, 1,4-dioxane and 2-chloroethyl vinyl ether in the associated samples were previously rejected. The results for the other compounds in associated samples 044TB00101, 044W001801 and 044W001901, which consisted entirely of non-detects, were flagged as estimated (UJ). Data for the associated trip blank 044TB00101 was not qualified other than for rejections.

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 4/27/95 at 13:28 on instrument F50055:

crotonaldehyde	0.009
isobutyl alcohol	0.008
1,4-dioxane	0.001

The results for these compounds in the associated samples were previously rejected. No further action was required.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 4/27/95 at 13:28 on instrument F50055:

1,4-dioxane	38.8%
chloromethane	49.1%
bromomethane	25.8%
1,1,2-trichloroethane	38.2%
trans-1,3-dichlorpropene	25.8%
tetrachloroethene	41.9%
2-chloroethyl vinyl ether	143%
ethyl methacrylate	33.7%

The results for 1,4-dioxane in the associated samples were previously rejected. The results for the other compounds in associated sample 044W001401, which consisted entirely of non-detects, were flagged as estimated (UJ). Data for associated trip blank 044TB001401 was not qualified other than for rejections.

IV.) Blanks:

Method Blanks:

Methylene chloride was detected at 2 ug/L in water blank VBLK319. All positive results for this compound in associated samples 044W01801 and 044W01901 less than 10X the blank amount were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample.

Methylene chloride, acetone, 1,4-dioxane and 1,2-dibromo-3-chloropropane were detected at 3 ug/L, 7 ug/L, 670 ug/L and 3 ug/L, respectively, in water blank VBLKAS. All positive results for methylene chloride and acetone in associated samples 044W001601 and 044W002201 less than 10X the blank amounts were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample. There were no positive results for 1,4-dioxane and 1,2-dibromo-3-chloropropane in the associated samples. No further action was necessary.

Methylene chloride, acetone, 1,4-dioxane and 1,2-dibromo-3-chloropropane were detected at 5 ug/L, 8 ug/L, 940 ug/L and 3 ug/L, respectively, in water blank VBLKMH. All positive results for methylene chloride and acetone in associated samples 044W002101, 044W001901 and 044W002001 less than 10X the blank amount were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample. There were no positive results for 1,4-dioxane and 1,2-dibromo-3-chloropropane in the associated samples. No further action was necessary.

Methylene chloride was detected at 1 ug/L in water blank VBLKMJ. The positive result for this compound in associated sample 044W001401, which was less than 10X the blank amount, was flagged as undetected (U) with the detection limit being raised to the level of contamination in the sample.

Trip Blanks:

There were no positive detections in associated trip blanks 044TB00101 and 044TB001401. No action was required.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No action ws required.

VI.) Matrix Spike/Matrix Spike Duplicate (MS / MSD):

All MS / MSD criteria were met. No action was necessary.

VII.) Field Duplicates:

There were no calculable Relative Percent Differences (RPD's) for field duplicate samples 044W001901 and 044R001901. No action was necessary.

VIII.) Internal Standards Performance:

All Internal Standards Performance criteria were met. No action was required.

IX.) TCL Compound Identification:

All TCL Compound Identification criteria were met, so no action was required.

X.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL's):

All CRQL criteria were met, so no action was required.

XI.) Tentatively Identified Compounds (TIC's):

All TIC criteria were met, so no action was taken.

XII.) System Performance:

All System Performance criteria were met, so no action was necessary.

XIII.) Overall Assessment of Data/General:

All results for isobutyl alcohol, crotonaldehyde, 1,4-dioxane, and 2-chloroethyl vinyl ether were rejected due to low RRF's. All other laboratory data were acceptable with qualification.

DATA QUALIFICATION SUMMARY

CompuChem - 010VB Organics

SAMPLES: GRDEB01701, GRDDB01701, GRDTB01701, 047TB00401

VOLATILE ORGANICS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) GC/MS Tuning:

All GC/MS Tuning criteria were met, so no action was necessary.

III.) Calibration:

Initial Calibration:

The Average Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the initial calibration run on 4/20/95 on instrument F50055:

crotonaldehyde	0.006
isobutyl alcohol	0.005
1,4-dioxane	0.002
2-chloroethyl vinyl ether	0.012

The results for these compounds in all samples of this SDG, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) of the following compounds exceeded the 30% QC limit for the initial calibration run on 4/20/95 on instrument F50055:

1,4-dioxane	30.5%
2-chloroethyl vinyl ether	30.0%
chloromethane	31.0%
methacrylonitrile	78.0%
1,3-dichlorobenzene	48.5%
1,4-dichlorobenzene	52.0%
1,2-dichlorobenzene	50.5%

The results for 2-chloroethyl vinyl ether and 1,4-dioxane were previously rejected. There were no positive results for the other compounds in the associated samples. No further action was necessary.

Continuing Calibration:

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 4/21/95 at 16:36 on instrument F50055:

crotonaldehyde	0.006
isobutyl alcohol	0.004
1,4-dioxane	0.001
2-chloroethyl vinyl ether	0.011

The results for these compounds in the associated sample were previously rejected. No further action was necessary.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 4/21/95 at 16:36 on instrument F50055:

1,4-dioxane	45.8%
1,2-dichlorethane	39.3%

The results for 1,4-dioxane in the associated samples were previously rejected. No further action was necessary since all samples in this SDG were field blanks.

IV.) Blanks:

Method Blanks:

Methylene chloride was detected at 2 ug/L in water blank VBLKCH. Since the associated samples were field blanks, no action was required.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No action was required.

VI.) Matrix Spike/Matrix Spike Duplicate (MS / MSD):

All MS / MSD criteria were met. No action was necessary.

VII.) Field Duplicates:

There were no field duplicate samples for this SDG. No action was necessary.

VIII.) Internal Standards Performance:

All Internal Standards Performance criteria were met. No action was required.

IX.) TCL Compound Identification:

All TCL Compound Identification criteria were met, so no action was required.

X.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL's):

All CRQL criteria were met, so no action was required.

XI.) Tentatively Identified Compounds (TIC's):

All TIC criteria were met, so no action was taken.

XII.) System Performance:

All System Performance criteria were met, so no action was necessary.

XIII.) Overall Assessment of Data/General:

All results for isobutyl alcohol, crotonaldehyde, 1,4-dioxane, and 2-chloroethyl vinyl ether were rejected due to low RRF's. All other laboratory data were acceptable without qualification.

DATA QUALIFICATION SUMMARY

CompuChem - 0010V Organics

SAMPLES: 513SB00602, 513CB00202, GRDCB03502, GRDCB01701, 047SB01501, 047SB01502, 047SB00401, 047SB00402, 047SB01101, 047SB01102, 047SB01201, 047SB01201MS, 047SB01201MSD, 047SB01202, 047SB00301, 047SB00302, 047SB00801, 047SB01301, 047SB01302, 047CB00401, 047SB00802, GRDSB00701

VOLATILE ORGANICS

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) GC/MS Tuning:

All GC/MS Tuning criteria were met, so no action was necessary.

III.) Calibration:

Initial Calibration:

The Average Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the initial calibration run on 4/12/95 on instrument OWA13:

crotonaldehyde	0.009
isobutyl alcohol	0.008
1,4-dioxane	0.001
2-chloroethyl vinyl ether	0.030

The results for these compounds in all samples in this SDG, which consisted entirely of non-detects, were rejected (R).

The Percent Relative Standard Deviations (%RSD's) of the following compounds exceeded the 30% QC limit for the initial calibration run on 4/12/95 on instrument OWA13:

isobutyl alcohol	69.1%
1,4-dioxane	90.2%
methylene chloride	56.4%
acetone	55.9%
propionitrile	31.9%

The results for isobutyl alcohol and 1,4-dioxane were previously rejected. The positive results for acetone in all samples in this SDG were flagged as estimated (J). There were no positive results for the other compounds in the associated samples. No further action was necessary.

Continuing Calibration:

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 4/23/95 at 05:18 on instrument OWA13:

crotonaldehyde	0.007
isobutyl alcohol	0.006
1,4-dioxane	0.000
2-chloroethyl vinyl ether	0.012

The results for these compounds in the associated samples were previously rejected. No further action was necessary.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 4/23/95 at 05:18 on instrument OWA13:

2-chloroethyl vinyl ether	60.7%
isobutyl alcohol	31.4%
1,4-dioxane	60.2%
acetone	48.7%
1,2-dichloroethane	27.9%
1,1,1-trichloroethane	33.6%
carbon tetrachloride	30.9%
cis-1,3-dichloropropene	31.5%
trans-1,3-dichloropropene	26.8%
bromoform	34.7%
tetrachloroethene	27.3%
trichlorofluoromethane	27.0%
1,1,1,2-tetrachloroethane	25.8%
1,2-dibromo-3-chloropropane	27.1%

The results for 2-chloroethyl vinyl ether, isobtuyl alcohol and 1,4-dioxane in the associated sample were previously rejected. The results for the other compounds in associated sample GRDCB01701, which consisted entirely of non-detects, were flagged as estimated (UJ).

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 4/23/95 at 16:32 on instrument OWA13:

crotonaldehyde	0.016
isobutyl alcohol	0.005
2-chloroethyl vinyl ether	0.011
1,4-dioxane	0.000

The results for these compounds in the associated samples were previously rejected. No further action was necessary.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 4/23/95 at 16:32 on instrument OWA13:

crotonaldehyde	70.3%
isobutyl alcohol	37.8%
1,4-dioxane	69.2%
2-chloroethyl vinyl ether	61.8%
methylene chloride	40.5%
acetone	43.4%
1,2-dichloroethane	26.2%
2-butanone	40.4%
1,1,1-trichloroethane	38.5%
carbon tetrachloride	36.0%
cis-1,3-dichloropropene	36.0%
dibromochloromethane	27.6%
trans-1,3-dichlorpropene	31.9%
bromoform	34.1%
tetrachloroethene	28.8%
trichlorofluoromethane	26.2%
methyl methacrylate	44.6%

The results for crotonaldehyde, isobutyl alcohol, 1,4-dioxane and 2-chloroethyl vinyl ether in the associated samples were previously rejected. The positive and non-detect results for the other compounds in associated samples GRDCB03502, 513SB00602, 047SB01501, 513CB00202, 047SB00401, 047SB01101, 047SB01102, 047SB01201, 047SB00301, 047SB00302, 047SB00801 and 047SB01301 were flagged as estimated (J) and (UJ).

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 4/24/95 at 06:30 on instrument OWA13:

crotonaldehyde	0.006
isobutyl alcohol	0.009
1,4-dioxane	0.001
2-chloroethyl vinyl ether	0.014

The results for these compounds in the associated samples were previously rejected. No further action was required.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 4/24/95 at 06:30 on instrument OWA13:

crotonaldehyde	38.6%
1,4-dioxane	53.6%
2-chloroethyl vinyl ether	54.0%
methylene chloride	30.5%

acetone	39.1%
2-butanone	38.0%
1,1,1-trichloroethane	29.4%
carbon tetrachloride	26.5%
trichlorofluoromethane	29.2%
3-chloropropene	35.7%
methyl methacrylate	30.4%

The results for crotonaldehyde, 1,4-dioxane and 2-chloroethyl vinyl ether in the associated samples were previously rejected. The results for the other compounds in associated samples 047SB01302 and 047CB00401, which consisted entirely of non-detects, were flagged as estimated (UJ).

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 4/24/95 at 23:24 on instrument OWA13:

crotonaldehyde	0.009
isobutyl alcohol	0.004
1,4-dioxane	0.000
2-chloroethyl vinyl ether	0.014

The results for these compounds in the associated samples were previously rejected. No further action was required.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 4/24/95 at 23:24 on instrument OWA13:

isobutyl alcohol	47.4%
1,4-dioxane	63.5%
2-chloroethyl vinyl ether	53.0%
methylene chloride	39.2%
acetone	55.2%
1,1-dichloroethane	26.1%
carbon tetrachloride	26.6%
trichlorofluoromethane	32.7%
methyl methacrylate	64.8%

The results for isobutyl alcohol, 1,4-dioxane and 2-chloroethyl vinyl ether in the associated samples were previously rejected. The positive and non-detect results for the other compounds in associated samples 047SB01202 and 047SB00402 were flagged as estimated (J) and (UJ).

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 4/25/95 at 12:23 on instrument OWA13:

propionitrile	0.047
crotonaldehyde	0.007
isobutyl alcohol	0.005
1,4-dioxane	0.000
2-chloroethyl vinyl ether	0.011

The results for propionitrile in associated samples GRDSB00701 and 047SB00802, which consisted entirely of non-detects, were rejected (R). The results for the other compounds in the associated samples were previously rejected.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 4/25/95 at 12:23 on instrument OWA13:

propionitrile	25.3%
isobutyl alcohol	35.2%
1,4-dioxane	43.2%
2-chloroethyl vinyl ether	63.1%
chloromethane	26.6%
methylene chloride	32.1%
acetone	30.1%
1,1,1-trichloroethane	32.4%
carbon tetrachloride	35.9%
dibromochloromethane	26.0%
trans-1,3-dichloropropene	28.5%
bromoform	43.2%
acrolein	28.4%
vinyl acetate	31.3%
cis-1,4-dichloro-2-butene	33.3%
trans-1,4-dichloro-2-butene	33.7%
1,2-dibromo-3-chloropropane	46.4%

The results for propionitrile, isobutyl alcohol, 1,4-dioxane and 2-chloroethyl vinyl ether in the associated samples were previously rejected. The results for the other compounds in associated samples GRDSB00701 and 047SB00802, which consisted entirely of non-detects, were flagged as estimated (UJ).

The Relative Response Factors (RRF's) for the following compounds were below the 0.050 QC limit for the continuing calibration run on 4/28/95 at 23:58 on instrument OWA13:

crotonaldehyde	0.010
isobutyl alcohol	0.006
1,4-dioxane	0.001
2-chloroethyl vinyl ether	0.012

The results for these compounds in the associated sample were previously rejected. No further action was required.

The Percent Differences (%D's) of the following compounds exceeded the 25% QC limit for the continuing calibration run on 4/28/95 at 23:58 on instrument OWA13:

2-chloroethyl vinyl ether	58.4%
2-butanone	36.1%
1,1,1-trichloroethane	31.7%
carbon tetrachloride	30.5%
cis-1,3-dichloropropene	29.5%

2-hexanone	26.6%
1,1,2,2-tetrachloroethane	32.4%
trichlorofluoromethane	27.0%
methacrylonitrile	36.2%
methyl methacrylate	58.7%

The results for 2-chloroethyl vinyl ether in the associated sample was previously rejected. The results for the other compounds in associated sample 047SB01502, which consisted entirely of non-detects, were flagged as estimated (UJ).

IV.) Blanks:

Method Blanks:

Methylene chloride was detected at 14 ug/kg in soil blank VBLKC4. All positive results for this compound in associated samples 047SB01201 and 047SB00402 less than 10X the blank amount were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample.

Methylene chloride and acetone were detected at 17 ug/kg and 10 ug/kg, respectively, in soil blank VBLKD3. All positive results for methylene chloride and acetone in associated sample 047SB01502 less than 10X the blank amounts were flagged as undetected (U) with the detection limit being raised to the level of contamination in the sample.

Methylene chloride, acetone and 1,2-dibromo-3-chloropropane were detected at 11 ug/kg, 15 ug/kg and 1 ug/kg, respectively, in soil blank VBLKT3. There were no positive results for these compounds, in associated sample GRDCB01701. No action was necessary.

Methylene chloride and acetone were detected at 17 ug/kg and 24 ug/kg, respectively, in soil blank VBLKT4. All positive results for these compounds in associated samples 513SB00602, 047SB001501, 513SB00202, GRDCB03502, 047SB00401, 047SB01101, 047SB01102, 047SB01202, 047SB00301, 047SB00302, 047SB00801 and 047SB01301 less than 10X the blank amounts were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample.

Methylene chloride, acetone, isobutyl alcohol and 1,2-dibromo-3-chloropropane were detected at 16 ug/kg, 17 ug/kg, 40 ug/kg and 3 ug/kg, respectively, in soil blank VBLKT5. All positive results for methylene chloride and acetone in associated samples 047SB01302 and 047CB00401 less than 10X the blank amounts were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample. There were no positive results for the other compounds in the associated samples. No further action was necessary.

Methylene chloride and acetone were detected at 14 ug/kg and 40 ug/kg, respectively, in soil blank VBLKY1. All positive results for these compounds in associated samples GRDSB00701 and 047SB00802 less than 10X the blank amounts were flagged as undetected (U) with the detection limit being raised to the level of contamination in each sample.

Trip Blanks:

There were no positive detections in associated trip blanks 047TB00401, GRDTB03502 and GRDTB03502 greater than the method blank contamination. No further action was required.

Equipment and Deionized Blanks:

Chloroform was detected at 8 ug/L in both equipment blank GRDEB01701 and deionized blank GRDDB01701. There were no positive detections of chloroform in the associated samples. No action was necessary.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No action ws required.

VI.) Matrix Spike/Matrix Spike Duplicate (MS / MSD):

The Percent Recovery (%R) of trichloroethene in sample 047SB01201MSD (142%) exceeded the 63-137% QC limits. Since the result for this compound in associated sample 047SB01201 was a non-detect, no action was necessary.

The Percent Recovery (%R) of benzene in sample 047SB01201MSD (153%) exceeded the 66-142% QC limits. Since the result for this compound in associated sample 047SB01201 was a non-detect, no action was necessary.

VII.) Field Duplicates:

There were no calculable Relative Percent Differences (RPD's) for field duplicate samples 047SB00401 and 047CB00401. No action was necessary.

There were no calculable Relative Percent Differences (RPD's) for field duplicate samples 513CB00202 and 513SB00202 (analyzed in SDG 0006V). No action was necessary.

The field duplicate samples for GRDCB01701 and GRDCB03502 were not found in the reviewed SDG's. No action was required.

VIII.) Internal Standards Performance:

All Internal Standards Performance criteria were met. No action was required.

IX.) TCL Compound Identification:

All TCL Compound Identification criteria were met, so no action was required.

X.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL's):

All CRQL criteria were met, so no action was required.

XI.) Tentatively Identified Compounds (TIC's):

All TIC criteria were met, so no action was taken.

XII.) System Performance:

All System Performance criteria were met, so no action was necessary.

XIII.) Overall Assessment of Data/General:

All results for isobutyl alcohol, crotonaldehyde, 1,4-dioxane, and 2-chloroethyl vinyl ether were rejected due to low RRF's. All other laboratory data were acceptable with qualification.

Appendix F

Zone C
Terrestrial Species List

Charleston Zone C Terrestrial Species List	
Common Name	**Scientific Name**
Raccoon	*Procyon lotor*
Opossum	*Didelphis virginiana*
Grey fox	*Urocyon cinereoargenteus*
Grey squirrel	*Sciurus carolinensis*
Fox squirrel	*S. niger*
Eastern cottontail	*Sylvilagus floridanus*
Marsh rabbit	*S. palustris*
Golden mouse	*Ochrotomys nuttalli*
Short-tailed shrew	*Blarina brevicauda*
Northern diamond back terrapin	*Malaclemy terrapin terrapin*
Green anole	*Anolis carolinensis*
Broad-headed skink	*Eumeces laticeps*
Eastern garter snake	*Thamnophis sirtalis*
Southern leopard frog	*Rana utricularia*
American robin	*Turdus migratorius*
Northern cardinal	*Cardinalis cardinalis*
Purple finch	*Carpadacus prpureus*
Fish crow	*Corvus ossifragus*
European starling	*Sturnus vulgaris*
Gulls	*Larus* spp.
Carolina chickadee	*Parus carolinensis*
Northern junco	*Junco hyemalis*
Eastern kingbird	*Tyrannus tyrannus*
Eastern meadowlark	*Sturnella magna*
Northern mockingbird	*Mimis polyglottis*
Barn swallow	*Hirundo rustica*
Red-tailed hawk	*Buteo jamaicensis*
American kestrel	*Falco sparverius*
Clapper rail	*Rallus longirostis*
Boat-tailed grackle	*Quiscalus major*

Charleston Zone C Terrestrial Species List	
Common Name	**Scientific Name**
Red-winged blackbird	*Agelaius phoeniceus*
Herons, egrets, bitterns	Family Ardeadae
Plovers	*Chardrius* spp.
Curlews	*Numenium* spp.
Sandpipers	*Tringa* spp. and *Calidris* spp.
Terns	*Sterna* spp.
Brown pelican	*Pelecanus occidentalis*
Osprey	*Pandion halieatus*

Appendix G

Zone C
Wildlife Toxicity Data

Appendix G
Wildlife Toxicity Data
Baseline Risk Assessment
Zone C
NAVBASE Charleston

Chemical	Test Species	Test Type	Duration	Effect	Oral LD_{50} (mg/kg/BW)	LOAEL (mg/kgBW/day)	Reference
SVOCs							
Anthracene	Mouse	Oral	NR	Mortality	17000		RTECS, 1993
Benzo(a)pyrene	Rat	Oral (chronic)	Pregnancy	Sterility in offspring		40	USEPA, 1984
	Rat	Oral (chronic)	3.5 months	Reproductive		50	USEPA, 1984
	Rodents	Single oral dose	NR	Mortality	50		Eisler, 1987
Bis(2-ethylhexyl)phthalate	Rat	Oral	NR	Mortality	30600		RTECS, 1993
	Rat	Oral	NR	Reproductive effects		7140	RTECS, 1993
	Rat	Oral	NR	Reproductive effects		35	RTECS, 1993
	Rat	Oral	NR	Reproductive effects		6000	RTECS, 1993
	Rat	Oral	NR	Reproductive effects		17200	RTECS, 1993
	Rat	Oral	NR	Reproductive effects		10000	RTECS, 1993
	Rat	Oral	NR	Reproductive effects		9766	RTECS, 1993
	Mouse	Oral	NR	Mortality	30000		RTECS, 1993
	Mouse	Oral	NR	Reproductive effects		78880	RTECS, 1993
	Mouse	Oral	NR	Reproductive effects		4200	RTECS, 1993
	Mouse	Oral	NR	Reproductive effects		50	RTECS, 1993
	Mouse	Oral	NR	Reproductive effects		1000	RTECS, 1993
	Mouse	Oral	NR	Reproductive effects		2040	RTECS, 1993
	Rabbit	Oral	NR	Mortality	34000		RTECS, 1993
	Guinea pig	Oral	NR	Mortality	26000		RTECS, 1993

Appendix G
Wildlife Toxicity Data
Baseline Risk Assessment
Zone C
NAVBASE Charleston

Chemical	Test Species	Test Type	Duration	Effect	Oral LD_{50} (mg/kg/BW)	LOAEL (mg/kgBW/day)	Reference
Bis(2-ethylhexyl)phthalate	Guinea pig	Oral	NR	Reproductive effects		20000	RTECS, 1993
(Continued)	Mammal	Oral	NR	Reproductive effects		20000	RTECS, 1993
	Mammal	Oral	NR	Reproductive effects		509000	RTECS, 1993
	Mouse	Single oral dose		Mortality	800		RTECS, 1993 and NIOSH, 1985
	Mouse	Oral (subchronic)	13 weeks	Renal effects		125	RTECS, 1993
Butylbenzylphthalate	Rat	Oral	NR	Mortality	2330		RTECS, 1994
	Rat	Oral	NR	Reproductive effects		21000	RTECS, 1994
	Rat	Oral	NR	Reproductive effects		16400	RTECS, 1994
	Rat	Oral	NR	Reproductive effects		16400	RTECS, 1994
	Rat	Oral	NR	Reproductive effects		4900	RTECS, 1994
	Mouse	Oral	NR	Mortality	4170		RTECS, 1994
	Guinea Pig	Oral	NR	Mortality	13750		RTECS, 1994
1,4-Dichlorobenzene	Rat	Oral	NR	Mortality	500		RTECS, 1994
	Rat	Oral	NR	Reproductive effects		7500	RTECS, 1994
	Rat	Oral	NR	Reproductive effects		10000	RTECS, 1994
	Mouse	Oral	NR	Mortality	2950		RTECS, 1994
	Rabbit	Oral	NR	Mortality	2830		RTECS, 1994
Di-n-butylphthalate	Rat	Oral (subchronic)	48 days	Reproductive		125	ATSDR, 1989
	Rat	Oral	1 year	Mortality		600	IRIS, 1991

Appendix G
Wildlife Toxicity Data
Baseline Risk Assessment
Zone C
NAVBASE Charleston

Chemical	Test Species	Test Type	Duration	Effect	Oral LD_{50} (mg/kg/BW)	LOAEL (mg/kgBW/day)	Reference
Fluoranthene	Rat	Oral	NR	Mortality	2000		RTECS, 1994
Phenanthrene	Mouse	Oral	NR	Mortality	700		RTECS, 1994
Pyrene	Rat	Single oral dose	NR	Mortality	2700		RTECS, 1993 and NIOSH, 1985
	Mouse	Single oral dose	NR	Mortality	800		RTECS, 1993 and NIOSH, 1985
Pesticides/PCBs							
Aroclor 1248	Rat	Oral	NR	Mortality	11000		RTECS, 1993
	Rabbit	Oral	NR	Reproductive effects		165	RTECS, 1993
	Monkey	Oral	NR	Reproductive effects		32	RTECS, 1993
	Monkey	Oral	NR	Reproductive effects		55	RTECS, 1993
	Monkey	Oral	NR	Reproductive effects		17	RTECS, 1993
	Monkey	Oral	NR	Reproductive effects		35	RTECS, 1993
	Monkey	Oral	NR	Reproductive effects		24	RTECS, 1993
	Monkey	Oral	NR	Reproductive effects		83	RTECS, 1993
	Chicken	Oral	8-9 weeks	Egg hatchability		4.88	USEPA, 1993
	Chicken	Oral	NR	Egg production and hatchability		9.8	USEPA, 1993
	Chicken	Maternal diet	NR	Chick growth		0.98	USEPA, 1993
	Chicken	Oral	8 weeks	Egg production and hatchability		4.9	USEPA, 1993

Appendix G
Wildlife Toxicity Data
Baseline Risk Assessment
Zone C
NAVBASE Charleston

Chemical	Test Species	Test Type	Duration	Effect	Oral LD_{50} (mg/kg/BW)	LOAEL (mg/kgBW/day)	Reference
Aroclor 1254	Mouse	Oral	NR	Reproductive		1.53	USEPA, 1993
	Chicken	Oral (chronic)	NR	Embryonic mortality		0.9[a]	USEPA, 1993
	Rock dove	Oral (chronic)	NR	Parental incubation behavior		0.9[a]	Peakall and Peakall, 1973
	American kestrel	Oral (chronic)	69 days	Reduced sperm concentration		9	Eisler, 1986
	Mink	Oral dose of contaminated meat	160 days	Reproductive		0.096	USEPA, 1993
Aroclor 1260	Rat	Oral	NR	Mortality	1315		RTECS, 1993
	Rat	Single oral dose	NR	Mortality	500		Eisler, 1986
	Rat	Single oral dose	NR	Mortality	1300		Eisler, 1986
	Rat	Oral	NR	Reproductive effects		1674	RTECS, 1993
	Rat	Oral (chronic)	2 generations	Reduced littler size		7.6	USEPA, 1985
	Rat	Oral (subchronic)	9 weeks	Fetal mortality; maternal toxicity		6.4	ATSDR, 1987
	Mouse	Oral	NR	Reproductive effects		74	RTECS, 1993
	Mink	Single oral dose		Mortality	4000		Eisler, 1986
	Mink	Single oral dose		Mortality	3000		Eisler, 1986
	Mink	Single oral dose		Mortality	750		Eisler, 1986
	Mink	Oral (subchronic)	4 months	Impaired reproduction		0.0075[b]	Newell et al., 1987
	Chicken	Oral (chronic)	NR	Embryonic mortality		0.9[a]	USEPA, 1976

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Wildlife Toxicity Data
Baseline Risk Assessment
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NAVBASE Charleston

Chemical	Test Species	Test Type	Duration	Effect	Oral LD_{50} (mg/kg/BW)	LOAEL (mg/kgBW/day)	Reference
Chlordane	Rat	Oral	NR	Mortality	283		RTECS, 1993
	Rat	Single oral dose		Mortality	430		Allen et al., 1979
	Rat	Single oral dose		Mortality	335		Allen et al., 1979
	Rabbit	Single oral dose		Mortality	300		Allen et al., 1979
	Rabbit	Single oral dose		Mortality	100		Allen et al., 1979
	Dog	Single oral dose		Mortality	200		Allen et al., 1979
	Goat	Single oral dose		Mortality	180		Allen et al., 1979
	Japanese quail	Oral (acute)	5 days	Mortality	35*		Hill et al., 1975
	Bobwhite	Oral (acute)	5 days	Mortality	29*		Hill et al., 1975
	Mallard	Oral (acute)	5 days	Mortality	62*		Hill et al., 1975
	Pheasant	Single oral dose		Mortality	24		USFWS, 1984
4,4'-DDE	Rat	Oral	NR	Mortality	800		RTECS, 1993
	Mouse	Oral	NR	Mortality	700		RTECS, 1993
	Hamster	Oral	NR	Mortality	>5000		RTECS, 1993
	Mallard	Oral	NR	Eggshell thinning		2.91	USEPA, 1993
	Mallard	Oral	2 years	Reproductive: embryo mortality, cracked eggs		0.58	USEPA, 1993
	Kestrel	Oral	NR	Eggshell thinning		0.39	USEPA, 1993
4,4'-DDT	Rat	Oral	NR	Mortality	87		RTECS, 1993
	Rat	Single oral dose		Mortality	100		USEPA, 1985

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Wildlife Toxicity Data
Baseline Risk Assessment
Zone C
NAVBASE Charleston

Chemical	Test Species	Test Type	Duration	Effect	Oral LD_{50} (mg/kg/BW)	LOAEL (mg/kgBW/day)	Reference
4,4'-DDT (Continued)	Rat	Oral	NR	Reproductive		112	RTECS, 1993
	Rat	Oral	NR	Reproductive		100	RTECS, 1993
	Rat	Oral	NR	Reproductive		430	RTECS, 1993
	Rat	Oral	NR	Reproductive		1890	RTECS, 1993
	Rat	Oral	NR	Reproductive		250	RTECS, 1993
	Rat	Oral	NR	Reproductive		50	RTECS, 1993
	Rat	Oral (chronic)	3 generations	Reproductive		0.2	IRIS, 1991
	Rat	Oral	2 years	Reproductive		2.5	USEPA, 1993
	Mouse	Oral	NR	Mortality	135		RTECS, 1993
	Mouse	Single oral dose		Mortality	200		USEPA, 1985
	Mouse	Oral	NR	Reproductive		504	RTECS, 1993
	Mouse	Oral	NR	Reproductive		81	RTECS, 1993
	Mouse	Oral	NR	Reproductive		124	RTECS, 1993
	Mouse	Oral	NR	Reproductive		148	RTECS, 1993
	Rabbit	Oral	NR	Mortality	250		RTECS, 1993
	Rabbit	Oral	NR	Reproductive		150	RTECS, 1993
	Guinea pig	Oral	NR	Mortality	150		RTECS, 1993
	Hamster	Oral	NR	Mortality	>5000		RTECS, 1993
	Dog	Oral	NR	Mortality	150		RTECS, 1993
	Dog	Single oral dose		Mortality	60		USEPA, 1985

Appendix G
Wildlife Toxicity Data
Baseline Risk Assessment
Zone C
NAVBASE Charleston

Chemical	Test Species	Test Type	Duration	Effect	Oral LD_{50} (mg/kg/BW)	LOAEL (mg/kgBW/day)	Reference
4,4'-DDT (Continued)	Dog	Oral	NR	Reproductive		3540	RTECS, 1993
	Monkey	Oral	NR	Mortality	200		RTECS, 1993
	Chicken	Oral (subchronic)	10 weeks	Decreased reproductive success; toxic symptoms		91.4[a]	USEPA, 1985
	Rock dove	Single oral dose		Mortality	4000		USFWS, 1984
	Black duck	Oral (chronic)	2 years	Reduced eggshell thickness		0.14[a]	Longcore and Stendell, 1977
	Mallard	Single oral dose		Mortality	2240		USFWS, 1984
	Mallard	Oral (subchronic)	96 days	Reduced eggshell thickness		2.8	Longcore and Stendell, 1977
	Mallard	Oral	NR	Eggshell thinning		1.16	USEPA, 1993
	Mallard	Oral	NR	Eggshell thinning		2.91	USEPA, 1993
	Mallard	Oral	2 years	Reproductive		1.45	USEPA, 1993
	California quail	Single oral dose		Mortality	595		USFWS, 1984
	Japanese quail	Single oral dose		Mortality	841		USFWS, 1984
	Pheasant	Single oral dose		Mortality	1334		USFWS, 1984
	Sandhill crane	Single oral dose		Mortality	1200		USFWS, 1984
	Kestrel	Oral (chronic)	7 wk - 1 yr	Reduced eggshell thickness		0.56[a]	USEPA, 1985
	Kestrel	Oral (chronic)	1 year	Reduced eggshell thickness		0.16[a]	Wiemeyer, et al., 1986

Appendix G
Wildlife Toxicity Data
Baseline Risk Assessment
Zone C
NAVBASE Charleston

Chemical	Test Species	Test Type	Duration	Effect	Oral LD_{50} (mg/kg/BW)	LOAEL (mg/kgBW/day)	Reference
4,4'-DDT (Continued)	Barn owl	Oral (chronic)	2 years	Reduced eggshell thickness		0.14[a]	Longcore and Stendell, 1977
Dieldrin	Mouse	Single oral dose	NR	Mortality	38		Allen et al., 1979
	Mouse	Oral (chronic)	80 weeks	Body tremors		0.33	ATSDR, 1992
	Rat	Single oral dose	NR	Mortality	46		Allen et al., 1979
	Guinea pig	Single oral dose	NR	Mortality	25		Allen et al., 1979
	Rabbit	Single oral dose	NR	Mortality	45		Allen et al., 1979
	House sparrow	Single oral dose	NR	Mortality	48		USFWS, 1984
	Chicken	Single oral dose	NR	Mortality	20		Allen et al., 1979
	Rock dove	Single oral dose	NR	Mortality	27		USFWS, 1984
	Gray partridge	Single oral dose	NR	Mortality	9		USFWS, 1984
	Chukar	Single oral dose	NR	Mortality	25		USFWS, 1984
	Japanese quail	Oral (acute)	5 days	Mortality	6[a]		Hill et al., 1975
	Japanese quail	Single oral dose	NR	Mortality	70		USFWS, 1984
	California quail	Single oral dose	NR	Mortality	9		USFWS, 1984
	Bobwhite	Oral (acute)	5 days	Mortality	3[a]		Hill et al., 1975
	Pheasant	Single oral dose	NR	Mortality	79		USFWS, 1984
	Mallard	Oral (acute	5 days	Mortality	12[a]		Hill et al., 1975
	Mallard	Oral (acute)	5 days	Mortality	11[a]		Hill et al., 1975
	Mallard	Single oral dose	NR	Mortality	381		USFWS, 1984

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Wildlife Toxicity Data
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Chemical	Test Species	Test Type	Duration	Effect	Oral LD_{50} (mg/kg/BW)	LOAEL (mg/kgBW/day)	Reference
Dieldrin	Whistling duck	Single oral dose	NR	Mortality	100		USFWS, 1984
	Canada goose	Single oral dose	NR	Mortality	141		USFWS, 1984
	Goat	Single oral dose	NR	Mortality	100		Allen et al., 1979
	Sheep	Single oral dose	NR	Mortality	50		Allen et al., 1979
	Cattle	Single oral dose	NR	Mortality	60		Allen et al., 1979
	Mule deer	Single oral dose	NR	Mortality	75		Allen et al., 1979
	Cat	Single oral dose	NR	Mortality	300		Allen et al., 1979
	Dog	Single oral dose	NR	Mortality	65		Allen et al., 1979
Endosulfan	Mouse	Oral (chronic)	78 weeks	Mortality		0.9	ATSDR, 1991
	Mouse	Oral (chronic)	78 weeks	Ovarian cyst development		0.26	ATSDR, 1991
	Rat	Single oral dose	NR	Mortality	24		ATSDR, 1991
	Rat	Oral (chronic)	2 years	Reduced testes weight		10	USEPA, 1980
	Mallard	Single oral dose	NR	Mortality	33		USFWS, 1984
	Mallard	Single oral dose	NR	Mortality	31.2		USFWS, 1984
	Pheasant	Single oral dose	NR	Mortality	80		USFWS, 1984
Endrin	Mouse	Oral (chronic)	80 weeks	Mortality		0.53	ATSDR, 1990
	Dog	Oral (chronic)	19 months	Decreased weight gain		0.1	USEPA, 1985
2,3,7,8-TCDD	Northern Bobwhite	Single oral dose	NR	Mortality	.015		Hudson et al., 1984
	Ringed Turtle Dove	Single oral dose	NR	Mortality	.810		Hudson et al., 1984

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Wildlife Toxicity Data
Baseline Risk Assessment
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Chemical	Test Species	Test Type	Duration	Effect	Oral LD_{50} (mg/kg/BW)	LOAEL (mg/kgBW/day)	Reference
2,3,7,8-TCDD (Continued)	Mallards	Single oral dose	NR	Mortality	.108		Hudson et al., 1984
	Chicken	Single oral dose	NR	Mortality	.037		Kociba & Schwetz, 1982
	Guinea pig	Oral	NR	Mortality	.002		Kociba & Schwetz, 1982
	Mouse	Oral	NR	Mortality	.284		Kociba & Schwetz, 1982
	Guinea Pig	Single oral dose	NR	Mortality	.0006		Harless et al., 1982
	Rat	Single oral dose	NR	Mortality	.022		Kociba & Schwetz, 1982
	Monkey	Single oral dose	NR	Mortality	.070		Olson et al., 1980
	Dog	Single oral dose	NR	Mortality	.1		Kociba & Schwetz, 1982
	Mouse	Single oral dose	NR	Mortality	.114		Kociba & Schwetz, 1982
	Rabbit	Single oral dose	NR	Mortality	.115		Olson et al., 1980
	Hamster	Single oral dose	NR	Mortality	1.157		Kociba & Schwetz, 1982
	Rat	Oral (chronic)	NR	Reproductive effects		1.0E-05	McNulty, 1977
	Monkey	Oral (chronic)	NR	Reproductive effects		1.7E-06	Ramel, 1978
	Chicken	Oral (chronic)	21 days	Chick liver disease		.001	NRCC 1981

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Wildlife Toxicity Data
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Chemical	Test Species	Test Type	Duration	Effect	Oral LD_{50} (mg/kg/BW)	LOAEL (mg/kgBW/day)	Reference
Inorganics							
Aluminum	Mouse	Oral	2-3 genrtns	Reduced bodyweight gain of newborns		425	NIOSH, 1985
	Rat	Oral	15 days	Reduced growth		100	Bernuzzi, et al., 1989
Arsenic	Rat	Oral	NR	Reproductive effects		0.61	RTECS, 1993
	Rat	Oral	NR	Reproductive effects		0.58	RTECS, 1993
	Rat	Oral	NR	Mortality	763		RTECS, 1993
	Mouse	Oral	NR	Mortality	145		RTECS, 1993
Beryllium	Rat	Single oral dose	NR	Mortality	10		USEPA, 1985
Cadmium	Rat	Oral	NR	Reproductive effects		155	RTECS, 1993
	Rat	Oral	NR	Reproductive effects		220	RTECS, 1993
	Rat	Oral	NR	Reproductive effects		21.5	RTECS, 1993
	Rat	Oral	NR	Reproductive effects		23	RTECS, 1993
	Rat	Single oral dose		Mortality	250		Eisler, 1985
	Rat	Oral	NR	Mortality	225		RTECS, 1993
	Mouse	Oral	NR	Mortality	890		RTECS, 1993
	Mouse	Oral	NR	Reproductive effects		448	RTECS, 1993
	Mouse	Oral	NR	Reproductive effects		1700	RTECS, 1993
	Guinea pig	Single oral dose		Mortality	150		Eisler, 1985
	Mallard	Oral (subchronic)	90 days	Egg production suppressed		10	Eisler, 1985

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Chemical	Test Species	Test Type	Duration	Effect	Oral LD_{50} (mg/kg/BW)	LOAEL (mg/kgBW/day)	Reference
Chromium (Potassium dichromate)	Japanese quail	Oral (acute)	5 days	Mortality	126		Hill and Camardese, 1986
Copper	Rat	Single oral dose		Reproductive effects		152	NIOSH, 1985 and RTECS, 1993
	Mallard	Oral (subchronic)	29 days	NOAEL for survivorship		10.5[b]	Demayo et al., 1982
Iron	Rat	Single oral dose	NR	Mortality	319		Sax, 1984
	Mouse	Single oral dose	NR	Mortality	979		Sax, 1984
	Guinea pig	Single oral dose	NR	Mortality	1200		Sax, 1984
Lead	Rat	Oral	NR	Reproductive effects		790	RTECS, 1993
	Rat	Oral	NR	Reproductive effects		1140	RTECS, 1993
	Rat	Oral	NR	Reproductive effects		520	RTECS, 1993
	Rat	Oral	NR	Reproductive effects		1100	RTECS, 1993
	Calf	Single oral dose	NR	Mortality	220		Eisler, 1988
	Mouse	Oral	NR	Reproductive effects		1120	RTECS, 1993
	Mouse	Oral	NR	Reproductive effects		6300	RTECS, 1993
	Mouse	Oral	NR	Reproductive effects		300	RTECS, 1993
	Mouse	Oral	NR	Reproductive effects		4800	RTECS, 1993
	Domestic animal	Oral	NR	Reproductive effects		662	RTECS, 1993
	Mammal	Oral	NR	Reproductive effects		2118	RTECS, 1993
	Kestrel	Diet	NR	Decreased egg laying fertility; decreased egg shell thickness		250[b]	Eisler, 1988

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Wildlife Toxicity Data
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NAVBASE Charleston

Chemical	Test Species	Test Type	Duration	Effect	Oral LD_{50} (mg/kg/BW)	LOAEL (mg/kgBW/day)	Reference
Lead	Nestlings	Oral	NR	Reduced growth and brain weight; abnormal development		125	Eisler, 1988
	Japanese quail	Diet	5 days	Mortality	24752		Hill and Camardese, 1986
Manganese	Mouse	Oral (subchronic)	90 days	Delayed growth of testes		140	ATSDR, 1990
	Mouse	Oral (chronic)	103 weeks	Mortality		4050	ATSDR, 1990
	Rat	Single oral dose	NR	Mortality	410		ATSDR, 1990
	Rat	Oral (acute)	20 days	Mortality	225		ATSDR, 1990
	Rat	Oral (subchronic)	20 days	Decreased littler weight during gestation		3100[b]	ATSDR, 1990
	Rat	Oral (chronic)	103 weeks	Mortality		930	ATSDR, 1990
	Guinea pig	Single oral dose	NR	Mortality	400		USEPA, 1984
	Monkey	Oral (chronic)	18 months	Weakness, rigidity		25	ATSDR, 1990
Mercury	Mouse	Single oral dose		Mortality	22		NIOSH, 1985
	Rat	Oral (chronic)	NR	Reduced fertility		0.5	Eisler, 1987
	Rat	Single oral dose		Mortality	18		NIOSH, 1985
	Pig	Oral (subchronic)	Pregnancy	High incidence of stillbirths		0.5	Eisler, 1987
	Mule deer	Single oral dose		Mortality	17.9		Eisler, 1987
	River otter	Single oral dose		Mortality	2		Eisler, 1987
	Mink	Single oral dose		Mortality	1		Eisler, 1987

Appendix G
Wildlife Toxicity Data
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NAVBASE Charleston

Chemical	Test Species	Test Type	Duration	Effect	Oral LD_{50} (mg/kg/BW)	LOAEL (mg/kgBW/day)	Reference
Mercury (Continued)	Dog	Oral (subchronic)	Pregnancy	High incidence of stillbirths		0.1	Eisler, 1987
	House sparrow	Single oral dose		Mortality	12.6		Eisler, 1987
	Rock dove	Single oral dose		Mortality	22.8		Eisler, 1987
	Chicken	Single oral dose		Mortality	20		Fimreite, 1979
	Bantam chicken	Single oral dose		Mortality	190		Fimreite, 1979
	Prairie chicken	Single oral dose		Mortality	11.5		Eisler, 1987
	Chukar	Single oral dose		Mortality	26.9		Eisler, 1987
	Corturnix	Single oral dose		Mortality	11		Eisler, 1987
	Mallard	Oral	NR	Reproduction, behavior		0.064	USEPA, 1993
	Black duck	Oral (subchronic)	28 weeks	Reproduction inhibited		0.22[a]	Eisler, 1987
	Fulvous whistling duck	Single oral dose		Mortality	37.8		Eisler, 1987
	Northern bobwhite	Single oral dose		Mortality	23.8		Eisler, 1987
	Bobwhite quail	Oral (acute)	5 days	Mortality	523		Hill et al., 1975
	Japanese quail	Single oral dose		Mortality	14.4		Eisler, 1987
	Gray partridge	Single oral dose		Mortality	17.6		Eisler, 1987
	Gray pheasant	Oral (subchronic)	30 days	Reduced reproductive ability		0.64	Eisler, 1987
	Ring-necked pheasant	Single oral dose		Mortality	11.5		Eisler, 1987
Nickel	Rat	Oral	NR	Reproductive effects		158	RTECS, 1994
	Rat	Single oral dose	NR	Mortality	67		ATSDR, 1987

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Chemical	Test Species	Test Type	Duration	Effect	Oral LD_{50} (mg/kg/BW)	LOAEL (mg/kgBW/day)	Reference
Selenium	Rat	Oral	NR	Mortality	6700		RTECS, 1993
	Mouse	Oral	NR	Reproductive effects		134	RTECS, 1993
	Mallard	Oral (subchronic)	3 months	Reduced hatchability		1.75	Eisler, 1985
Vanadium	Japanese quail	Oral (acute)	5 days	Mortality	96		Hill and Camardese, 1986
Zinc	Rat	Single oral dose		Mortality	2510		RTECS, 1993
	Rat	Oral (subchronic)	NR	Kidney toxicity		160	Llobet, et al., 1988

Notes:

LD_{50} = Dose resulting in 50% mortality in test population.
BW = Body weight.
LOAEL = Lowest Observed Adverse Effect Level.
NR = Not reported.
a = Converted to dose per kilogram body weight by multiplying by ingestion and dividing by body weight.
b = Estimated by applying a LOAEL-NOAEL ratio of 5 (Newell et al., 1987).

Appendix H

Zone C
Detection Only Tables

Chemicals Detected in Zone C Monitoring Wells
SWMU 044

Name	Location	Round 1 Conc.	Round 2 Conc.	Round 3 Conc.	Round 4 Conc.	RBC (THQ=0.1)	2 X Mean	MCL
Inorganic Chemicals (ug/L)								
Aluminum (Al)	044GW001	38000.00	50900.00	39600.00	53600.00	3700.00	410.00	NL
	044GW002	1660.00	32.80	ND	ND			
	044GW003	2660.00	495.00	ND	ND			
	044GW004	2510.00	87.10	ND	ND			
	044GW005	481.00	ND	ND	ND			
	044GW006	119.00	ND	ND	ND			
	044GW007	2110.00	350.00	ND	ND			
	044GW008	214.00	901.00	ND	357.00			
Antimony (Sb)	044GW001	3.90	ND	ND	ND	1.50	ND	6.00
	044GW004	3.30	ND	ND	ND			
	044GW007	ND	54.10	10.30	ND			
Arsenic (As)	044GW001	3.90	ND	ND	ND	0.05	6.07	50.00
	044GW002	ND	6.00	3.90	2.70			
	044GW003	ND	5.10	ND	3.20			
	044GW004	11.60	10.30	10.55	12.70			
	044GW005	ND	3.80	ND	7.10			
	044GW006	ND	6.30	ND	6.15			
	044GW007	12.30	109.00	30.10	62.80			
	044GW008	15.30	11.50	7.60	ND			
Barium (Ba)	044GW001	6.40	7.00	ND	ND	260.00	16.70	2000.00
	044GW002	60.20	46.30	ND	ND			
	044GW003	29.20	24.60	ND	ND			
	044GW004	53.40	30.50	ND	ND			
	044GW005	45.60	32.10	ND	ND			
	044GW006	56.00	23.20	ND	ND			
	044GW007	22.60	22.20	ND	ND			
	044GW008	41.60	21.70	ND	25.80			
Beryllium (Be)	044GW001	21.90	20.80	19.80	32.90	0.02	0.33	4.00
	044GW002	ND	0.46	ND	0.43			
	044GW003	ND	0.53	ND	0.53			
	044GW004	ND	0.36	ND	0.46			
	044GW005	ND	0.66	ND	0.75			
	044GW006	ND	0.45	ND	0.44			
	044GW008	ND	0.53	ND	0.36			
Cadmium (Cd)	044GW002	ND	3.50	ND	ND	1.80	ND	5.00
	044GW004	ND	1.10	ND	ND			
Calcium (Ca)	044GW001	341000.00	432000.00	471000.00	446000.00	NA	NA	NL
	044GW002	347000.00	348000.00	319000.00	314000.00			
	044GW003	447000.00	442000.00	444000.00	444000.00			
	044GW004	377000.00	369000.00	345000.00	348500.00			
	044GW005	359000.00	280000.00	202000.00	211000.00			
	044GW006	327000.00	446000.00	401000.00	184500.00			
	044GW007	85000.00	85500.00	81400.00	84800.00			
	044GW008	159000.00	163000.00	139000.00	190000.00			
Chromium (Cr)	044GW001	1.30	1.60	ND	ND	3700.00	1.99	100.00
	044GW002	2.50	ND	ND	ND			
	044GW003	3.30	1.10	ND	ND			
	044GW004	7.10	0.86	ND	ND			
	044GW005	2.60	3.10	ND	ND			
	044GW006	3.40	1.60	ND	ND			
	044GW007	4.50	1.10	ND	ND			

Chemicals Detected in Zone C Monitoring Wells
SWMU 044

Name	Location	Round 1 Conc.	Round 2 Conc.	Round 3 Conc.	Round 4 Conc.	RBC (THQ=0.1)	2 X Mean	MCL
	044GW008	1.80	3.30	ND	4.90			
Cobalt (Co)	044GW001	75.50	73.80	57.00	47.90	220.00	1.33	NL
	044GW002	2.40	2.50	ND	ND			
	044GW003	58.30	37.10	43.40	49.00			
	044GW005	ND	0.95	ND	ND			
	044GW006	0.96	5.10	ND	ND			
Copper (Cu)	044GW001	18.20	ND	ND	ND	150.00	1.90	1300.00
	044GW002	3.80	ND	ND	ND			
	044GW003	3.00	8.00	ND	ND			
	044GW004	15.60	ND	ND	ND			
	044GW005	3.20	ND	ND	ND			
	044GW007	8.80	4.90	ND	ND			
	044GW008	2.00	3.60	ND	ND			
Iron (Fe)	044GW001	239000.00	353000.00	319000.00	450000.00	1100.00	NA	NL
	044GW002	5640.00	3770.00	1750.00	1330.00			
	044GW003	67800.00	40100.00	37400.00	58400.00			
	044GW004	18500.00	17600.00	15800.00	17850.00			
	044GW005	2660.00	2380.00	1380.00	1380.00			
	044GW006	851.00	5240.00	1110.00	2310.00			
	044GW007	8710.00	2350.00	1550.00	4440.00			
	044GW008	3800.00	3390.00	2460.00	1780.00			
Lead (Pb)	044GW001	19.80	2.40	5.70	ND	15.00	3.27	15.00
	044GW002	4.40	ND	ND	ND			
	044GW003	7.80	ND	ND	ND			
	044GW004	12.60	ND	ND	ND			
	044GW005	2.20	ND	ND	ND			
	044GW006	2.40	ND	ND	ND			
	044GW007	4.90	ND	ND	ND			
	044GW008	3.00	ND	ND	ND			
Magnesium (Mg)	044GW001	26000.00	47100.00	50500.00	59200.00	NA	NA	NL
	044GW002	23200.00	22400.00	19000.00	18800.00			
	044GW003	45500.00	39600.00	36800.00	40800.00			
	044GW004	138000.00	158000.00	147500.00	162500.00			
	044GW005	653000.00	523000.00	489000.00	658000.00			
	044GW006	245000.00	128000.00	76700.00	175415.00			
	044GW007	86500.00	67200.00	74500.00	87700.00			
	044GW008	71000.00	279000.00	127000.00	368000.00			
Manganese (Mn)	044GW001	1940.00	3150.00	3460.00	4400.00	84.00	608.00	NL
	044GW002	673.00	273.00	184.00	120.00			
	044GW003	1160.00	843.00	905.00	1080.00			
	044GW004	1350.00	1740.00	1510.00	1720.00			
	044GW005	1040.00	986.00	454.00	221.00			
	044GW006	1990.00	2580.00	546.00	583.45			
	044GW007	418.00	354.00	293.00	362.00			
	044GW008	944.00	722.00	945.00	955.00			
Mercury (Hg)	044GW001	ND	0.11	ND	ND	1.10	ND	2.00
	044GW004	ND	0.10	ND	ND			
	044GW005	ND	0.14	ND	ND			
	044GW006	ND	ND	ND	ND			
	044GW008	ND	0.11	ND	ND			
Nickel (Ni)	044GW001	221.00	232.00	199.00	209.00	73.00	3.59	100.00
	044GW002	3.00	0.81	ND	ND			
	044GW003	84.40	74.40	78.30	82.40			

Chemicals Detected in Zone C Monitoring Wells
SWMU 044

Name	Location	Round 1 Conc.	Round 2 Conc.	Round 3 Conc.	Round 4 Conc.	RBC (THQ=0.1)	2 X Mean	MCL
	044GW004	16.80	ND	ND	ND			
	044GW005	3.20	1.10	ND	ND			
	044GW006	2.60	10.50	ND	ND			
	044GW007	4.90	1.40	ND	ND			
	044GW008	2.00	1.80	ND	ND			
Potassium (K)	044GW001	7460.00	15900.00	ND	12200.00	NA	NA	NL
	044GW002	9910.00	ND	ND	ND			
	044GW003	7170.00	ND	ND	ND			
	044GW004	54600.00	41650.00	38100.00	46450.00			
	044GW005	282000.00	226000.00	143000.00	225000.00			
	044GW006	148000.00	35500.00	29500.00	114000.00			
	044GW007	87400.00	48800.00	38800.00	56200.00			
	044GW008	59100.00	143000.00	50700.00	129000.00			
Selenium (Se)	044GW001	7.20	5.00	ND	19.60	18.00	ND	50.00
Silver	044GW007	ND	ND	2.30	ND		1.26	
Sodium (Na)	044GW001	22100.00	34200.00	ND	ND	NA	ND	NL
	044GW002	13200.00	9510.00	ND	ND			
	044GW003	20700.00	15000.00	ND	ND			
	044GW004	149000.00	189000.00	217500.00	245000.00			
	044GW005	4640000.00	5430000.00	4580000.00	6590000.00			
	044GW006	1690000.00	643000.00	354000.00	3110000.00			
	044GW007	784000.00	614000.00	686000.00	749000.00			
	044GW008	488000.00	2520000.00	1000000.00	3080000.00			
Thallium (Tl)	044GW001	ND	ND	ND	34.50	0.29	ND	2.00
	044GW002	ND	ND	ND	ND			
	044GW005	ND	ND	ND	3.80			
	044GW006	ND	ND	ND	ND			
	044GW007	ND	ND	3.10	ND			
Tin (Sn)	044GW001	ND	4.80	3.30	ND	2200.00	ND	NL
	044GW006	ND	ND	3.10	ND			
	044GW007	ND	ND	2.60	ND			
Vanadium (V)	044GW001	26.00	21.10	12.60	14.50	26.00	1.96	NL
	044GW003	6.30	4.20	ND	ND			
	044GW004	6.10	1.20	ND	ND			
	044GW005	ND	2.70	ND	ND			
	044GW006	9.90	ND	ND	26.00			
	044GW007	6.90	14.60	ND	ND			
	044GW008	ND	8.70	5.90	5.70			
Zinc (Zn)	044GW001	592.00	518.00	438.00	458.00	1100.00	13.20	NL
	044GW002	608.00	150.00	ND	ND			
	044GW003	124.00	92.20	ND	ND			
	044GW004	113.00	ND	ND	ND			
	044GW005	18.10	ND	ND	ND			
	044GW006	19.90	ND	ND	ND			
	044GW007	24.70	ND	13.00	ND			
	044GW008	36.00	ND	ND	ND			
Organic Compounds (ug/L)								
Acetophenone	044GW006	1.00	ND	ND	ND	NA	NA	NL
Benzoic acid	044GW004	2.00						
	044GW005	ND	ND	7.00	ND			
	044GW006	ND	2.00	ND	ND	NA	NA	NL

Chemicals Detected in Zone C Monitoring Wells
SWMU 044

Name	Location	Round 1 Conc.	Round 2 Conc.	Round 3 Conc.	Round 4 Conc.	RBC (THQ=0.1)	2 X Mean	MCL
	044GW008	ND	ND	ND	3.00			
bis(2-Ethylhexyl)phthalate (BEHP)	044GW006	8.00	1.00	ND	ND	NA	NA	NL
Di-n-butylphthalate	044GW005	ND	ND	1.00	ND	NA	NA	NL
	044GW008	ND	ND	ND	1.00			
Diethylphthalate	044GW005	ND	ND	1.00	ND	NA	NA	NL
Heptachlor	044GW007	ND	0.08	ND	ND	NA	NA	NL
Dioxin and Dibenzofuran (pg/L)								
1234678-HpCDF	044HW004	ND	11.70	ND	6.80	NA	NA	NL
OCDD	044HW004	163.74	ND	87.70	58.35	NA	NA	NL
OCDF	044HW004	2.86	19.60	ND	6.36	NA	NA	NL
Other Compounds (mg/L)								
Chloride	044GW001	NS	18.80	ND	ND	NA	NA	NL
	044GW002	NS	4.60	ND	ND			
	044GW003	NS	11.10	ND	ND			
	044GW004	NS	118.00	ND	165.00			
	044GW005	3530.00	8190.00	10700.00	11500.00			
	044GW006	NS	663.00	362.00	5280.00			
	044GW007	NS	759.00	689.00	1010.00			
	044GW008	NS	3700.00	1590.00	4880.00			
Sulfate	044GW001	NS	2480.00	2730.00	2950.00	NA	NA	NL
	044GW002	NS	879.00	777.00	778.00			
	044GW003	NS	1140.00	1240.00	1220.00			
	044GW004	NS	607.00	499.00	488.00			
	044GW005	NS	381.00	232.00	ND			
	044GW006	1010.00	1010.00	1370.00	380.00			
	044GW007	NS	20.20	25.10	ND			
	044GW008	NS	139.00	239.00	41.00			
Total Dissolved Solids (TDS)	044GW001	NS	3850.00	3970.00	4430.00	NA	NA	NL
	044GW002	NS	1500.00	1410.00	1360.00			
	044GW003	NS	2090.00	2030.00	2060.00			
	044GW004	NS	2430.00	2580.00	2550.00			
	044GW005	NS	17900.00	19700.00	20500.00			
	044GW006	NS	4340.00	3050.00	10500.00			
	044GW007	NS	2030.00	2260.00	2660.00			
	044GW008	NS	8910.00	4090.00	10600.00			

Notes:
ND: Not Detected
NS: No Sample Taken/Sample Not Analyed
NA: Not Applicable
For compounds detected in both the primary and duplicate sample, the concentrations for both detections are averaged and listed as one detection.
For compounds that were detected in only one of these samples, the value of the one detecton is used.

Chemicals Detected in Zone C Monitoring Wells
SWMU 047

Name	Location	Round 1 Conc.	Round 2 Conc.	Round 3 Conc.	Round 4 Conc.	RBC (THQ=0.1)	2x Mean	MCL
Inorganic Chemicals (ug/L)								
Aluminum (Al)	047GW004	574.00	786.00	ND	ND	3700.00	410	NL
	047GW005	1330.00	7780.00	2,970.00	ND			
	047GW006	524.00	30.20	ND	ND			
	047GW007	275.00	152.00	ND	ND			
	047GW008	ND	285.00	ND	75.70			
	047GW009	ND	340.00	ND	66.50			
	047GW010	291.00	1200.00	ND	548.00			
	047GW011	276.00	622.00	ND	188.00			
	047GW015	568.00	159.00	ND	150.00			
Antimony (Sb)	047GW001	53.10	ND	ND	ND	1.50	NA	6.00
	047GW013	3.10	ND	ND	ND			
Arsenic (As)	047GW001	6.10	10.90	7.50	8.60	0.05	6.07	50.00
	047GW002	9.20	10.50	9.00	12.00			
	047GW004	ND	4.60	ND	6.60			
	047GW005	ND	9.20	ND	ND			
	047GW006	7.10	3.80	ND	4.30			
	047GW011	46.30	164.00	159.00	120.00			
	047GW012	ND	15.00	5.60	ND			
	047GW013	ND	ND	3.60	ND			
	047GW015	3.90	6.50	4.50	ND			
Barium (Ba)	047GW001	ND	5.10	ND	ND	260.00	16.7	2000.00
	047GW002	ND	6.20	ND	ND			
	047GW003	ND	17.40	ND	ND			
	047GW004	18.20	12.60	ND	ND			
	047GW005	ND	43.90	ND	ND			
	047GW006	31.80	20.60	ND	ND			
	047GW007	ND	45.80	ND	ND			
	047GW008	ND	20.90	ND	20.90			
	047GW009	45.80	40.40	ND	49.90			
	047GW010	93.40	193.00	ND	406.00			
	047GW011	60.70	69.10	ND	61.90			
	047GW012	ND	11.40	ND	48.30			
	047GW013	ND	6.50	ND	5.60			
	047GW015	ND	30.50	ND	32.80			
Beryllium (Be)	047GW005	ND	ND	ND	0.33	0.02	0.33	4.00
Calcium (Ca)	047GW001	16200.00	18400.00	18,800.00	19800.00	NA	NA	NL
	047GW002	30900.00	27500.00	26,600.00	27000.00			
	047GW003	67100.00	73000.00	66,100.00	69100.00			
	047GW004	32200.00	29400.00	25,900.00	26100.00			
	047GW005	6170.00	12600.00	ND	ND			
	047GW006	156000.00	132000.00	119,000.00	102000.00			
	047GW007	35500.00	26400.00	23,500.00	21800.00			
	047GW008	10100.00	6340.00	ND	8680.00			
	047GW009	51800.00	41600.00	45,200.00	46100.00			
	047GW010	45600.00	34300.00	49,500.00	40200.00			
	047GW011	60100.00	57900.00	43,300.00	56400.00			
	047GW012	16800.00	6290.00	20,200.00	19700.00			
	047GW013	34200.00	35000.00	35,100.00	33700.00			
	047GW015	67400.00	68600.00	68,100.00	66700.00			

Chemicals Detected in Zone C Monitoring Wells
SWMU 047

Name	Location	Round 1 Conc.	Round 2 Conc.	Round 3 Conc.	Round 4 Conc.	RBC (THQ=0.1)	2x Mean	MCL
Chromium (Cr)	**047GW003**	**1.30**	**ND**	**ND**	**ND**	**3700.00**	**1.99**	**100.00**
	047GW004	1.30	1.40	ND	ND			
	047GW005	2.35	14.80	ND	ND			
	047GW006	1.40	ND	ND	ND			
	047GW007	0.93	1.00	ND	ND			
	047GW009	0.97	1.30	ND	ND			
	047GW010	1.20	3.20	ND	ND			
	047GW011	ND	1.30	ND	ND			
	047GW015	3.50	2.80	ND	1.40			
Cobalt (Co)	047GW008	ND	1.60	ND	ND	220.00	1.33	NL
	047GW010	ND	1.00	ND	ND			
	047GW011	ND	2.50	ND	ND			
	047GW015	1.30	1.00	ND	ND			
Copper (Cu)	047GW004	2.10	ND	ND	ND	150.00	1.90	1300.00
	047GW005	ND	9.40	ND	ND			
	047GW006	3.60	ND	ND	ND			
	047GW009	ND	1.50	ND	ND			
	047GW010	ND	9.00	ND	ND			
	047GW011	2.30	ND	ND	ND			
Iron (Fe)	047GW001	2420.00	2770.00	2,770.00	3030.00	1100.00	NA	NL
	047GW002	16300.00	19000.00	19,300.00	22600.00			
	047GW003	992.00	911.00	1,220.00	ND			
	047GW004	8000.00	6190.00	5,610.00	5740.00			
	047GW005	948.00	5700.00	2,450.00	ND			
	047GW006	978.00	974.00	1,460.00	2160.00			
	047GW007	182.00	171.00	ND	ND			
	047GW008	305.00	401.00	294.00	276.00			
	047GW009	5170.00	5850.00	4,650.00	5720.00			
	047GW010	2880.00	4360.00	12,100.00	7270.00			
	047GW011	5690.00	17000.00	21,700.00	12400.00			
	047GW012	755.00	1410.00	2,960.00	6800.00			
	047GW013	8590.00	10700.00	11,200.00	11100.00			
	047GW015	25700.00	31400.00	29,100.00	29000.00			
Lead (Pb)	047GW001	467.00	ND	ND	ND	15.00	3.27	15.00
	047GW004	4.80	ND	ND	ND			
	047GW005	ND	12.50	4.50	ND			
	047GW006	8.80	ND	ND	ND			
	047GW009	ND	6.40	ND	ND			
	047GW010	ND	20.40	5.90	6.50			
	047GW011	4.60	ND	ND	ND			
	047GW015	ND	ND	2.60	ND			
Magnesium (Mg)	047GW001	1440.00	1710.00	1,920.00	1850.00	NA	NA	NL
	047GW002	6480.00	7590.00	7,560.00	8790.00			
	047GW003	8120.00	8950.00	8,720.00	9180.00			
	047GW004	24100.00	25400.00	23,400.00	22300.00			
	047GW005	3260.00	13800.00	5,450.00	6150.00			
	047GW006	5040.00	4690.00	4,430.00	3800.00			
	047GW007	4200.00	5150.00	4,480.00	4330.00			
	047GW008	1900.00	1820.00	1,660.00	1490.00			
	047GW009	7830.00	8070.00	7,580.00	8720.00			

Chemicals Detected in Zone C Monitoring Wells
SWMU 047

Name	Location	Round 1 Conc.	Round 2 Conc.	Round 3 Conc.	Round 4 Conc.	RBC (THQ=0.1)	2x Mean	MCL
	047GW010	4560.00	3870.00	5,270.00	4400.00			
	047GW011	8950.00	12900.00	14,200.00	12600.00			
	047GW012	4370.00	4840.00	1,830.00	14400.00			
	047GW013	4440.00	4310.00	4,760.00	4870.00			
	047GW015	19900.00	25500.00	22,600.00	23300.00			
Manganese (Mn)	047GW001	35.20	27.90	ND	ND	84.00	608	NL
	047GW002	95.10	95.00	91.20	110.00			
	047GW003	37.80	28.60	ND	ND			
	047GW004	176.00	153.00	140.00	127.00			
	047GW005	27.10	61.10	ND	ND			
	047GW006	70.20	56.30	64.30	45.70			
	047GW007	33.40	38.00	33.50	ND			
	047GW008	27.90	9.80	ND	11.10			
	047GW009	86.80	73.30	66.50	79.50			
	047GW010	176.00	128.00	241.00	175.00			
	047GW011	313.00	633.00	353.00	352.00			
	047GW012	23.70	21.10	ND	68.10			
	047GW013	204.00	181.00	180.00	178.00			
	047GW015	598.00	630.00	608.00	637.00			
Mercury (Hg)	047GW007	ND	ND	ND	0.67	1.10	NA	2.00
Nickel (Ni)	047GW002	ND	ND	ND	1.30	73.00	3.59	100.00
	047GW004	ND	1.00	ND	ND			
	047GW005	ND	3.20	ND	ND			
	047GW006	4.40	ND	ND	ND			
	047GW008	ND	0.89	ND	ND			
	047GW009	ND	1.10	ND	ND			
	047GW010	ND	1.60	ND	ND			
	047GW011	ND	1.80	ND	ND			
	047GW015	3.10	1.70	ND	ND			
Potassium (K)	047GW001	1850.00	3760.00	ND	ND	NA	NA	NL
	047GW002	1790.00	3610.00	ND	ND			
	047GW003	5730.00	6220.00	ND	ND			
	047GW004	10900.00	11700.00	9,400.00	ND			
	047GW005	4200.00	9150.00	ND	ND			
	047GW006	5450.00	8070.00	ND	ND			
	047GW007	1990.00	3530.00	ND	ND			
	047GW008	1420.00	2240.00	ND	ND			
	047GW009	4300.00	6760.00	ND	5110.00			
	047GW010	1230.00	3690.00	ND	ND			
	047GW011	5080.00	7280.00	ND	5440.00			
	047GW012	2400.00	3040.00	ND	6230.00			
	047GW013	3710.00	5790.00	ND	4560.00			
	047GW015	12700.00	13300.00	10,600.00	11200.00			
Selenium (Se)	047GW015	4.50	ND	ND	ND	18.00	NA	50.00
Silver (Ag)	047GW003	0.62	ND	ND	ND	18	1.26	NL
	047GW004	ND	ND	ND	ND			
Sodium (Na)	047GW001	11600.00	11000.00	ND	ND	NA	NA	NL
	047GW002	26700.00	24600.00	ND	ND			
	047GW003	36900.00	48600.00	ND	ND			
	047GW004	42400.00	48400.00	ND	ND			

Chemicals Detected in Zone C Monitoring Wells
SWMU 047

Name	Location	Round 1 Conc.	Round 2 Conc.	Round 3 Conc.	Round 4 Conc.	RBC (THQ=0.1)	2x Mean	MC
	047GW005	41250.00	94800.00	ND	ND			
	047GW006	5290.00	351.00	ND	ND			
	047GW007	6500.00	ND	ND	ND			
	047GW008	9510.00	ND	ND	5480.00			
	047GW009	12100.00	10500.00	ND	11300.00			
	047GW010	10800.00	ND	ND	10800.00			
	047GW011	32500.00	40000.00	ND	34600.00			
	047GW012	28100.00	44100.00	ND	135000.00			
	047GW013	11600.00	12000.00	ND	12900.00			
	047GW015	34000.00	40200.00	ND	32500.00			
Thallium (Tl)	047GW002	ND	ND	ND	3.90	0.29	NA	2
	047GW005	ND	ND	4.30	ND			
	047GW006	ND	ND	ND	ND			
	047GW007	ND	ND	3.90	ND			
	047GW015	ND	ND	2.80	ND			
Tin (Sn)	047GW003	77.60	ND	ND	ND	2200	NA	NL
	047GW011	9.70	ND	ND	ND			
Vanadium (V)	047GW001	0.50	ND	ND	ND	26	1.96	NL
	047GW002	1.50	0.52	ND	ND			
	047GW003	2.20	1.90	ND	ND			
	047GW004	ND	1.60	ND	ND			
	047GW005	7.00	23.00	9.80	ND			
	047GW007	1.60	1.20	ND	ND			
	047GW008	0.79	0.77	ND	ND			
	047GW009	0.75	0.76	ND	ND			
	047GW010	1.30	3.70	ND	1.10			
	047GW011	ND	2.20	ND	ND			
	047GW012	0.48	ND	ND	ND			
	047GW013	1.10	0.58	ND	ND			
	047GW015	7.30	5.60	5.40	3.10			
Zinc (Zn)	047GW004	26.80	ND	ND	ND	1100	13.2	NL
	047GW005	26.90	18.80	ND	ND			
	047GW006	43.30	ND	ND	ND			
	047GW008	69.40	ND	ND	ND			
	047GW009	106.00	14.50	ND	ND			
	047GW010	14.80	34.50	ND	23.20			
	047GW011	18.30	7.00	ND	5.60			
	047GW012	83.40	ND	ND	ND			
	047GW015	104.00	ND	ND	ND			
Cyanide (CN)	047GW003	ND	2.50	ND	ND	73	NA	200
	047GW006	ND	ND	2.70	ND			
	047GW009	ND	3.90	ND	ND			
	047GW015	ND	ND	2.30	ND			
Organic Compounds (ug/L)								
Acenaphthene	047GW006	ND	2.00	2.00	2.00	NA	NA	NL
	047GW009	1.00	3.00	1.00	1.00			
	047GW013	1.00	1.00	ND	ND			
Acetone	047GW010	ND	13.00	ND	ND	NA	NA	NI
	047GW012	ND	ND	3.00	ND			

Chemicals Detected in Zone C Monitoring Wells
SWMU 047

Name	Location	Round 1 Conc.	Round 2 Conc.	Round 3 Conc.	Round 4 Conc.	RBC (THQ=0.1)	2x Mean	MCL
Benzoic acid	047GW004	ND	ND	ND	1.00	NA	NA	NL
	047GW005	ND	ND	ND	1.00			
	047GW009	ND	ND	ND	3.00			
	047GW013	ND	ND	ND	1.00			
	047GW015	ND	ND	4.00	6.00			
Butylbenzylphthalate	047GW001	ND	ND	1.00	ND	NA	NA	NL
	047GW004	4.00	ND	ND	ND			
	047GW006	4.00	ND	ND	ND			
	047GW011	4.00	ND	ND	ND			
Carbon disulfide	047GW004	2.00	ND	ND	ND	NA	NA	NL
	047GW009		ND	1.00	ND			
	047GW010	7.00	ND	ND	ND			
Diethylphthalate	047GW006	1.00	ND	ND	ND	NA	NA	NL
	047GW009	ND	ND	ND	1.00			
Di-n-butylphthalate	047GW001	ND	ND	1.00	ND	NA	NA	NL
Di-n-octyl phthalate	047GW011	ND	ND	ND	1.00	NA	NA	NL
Fluoranthene	047GW006	3.00	2.00	2.00	3.00	NA	NA	NL
Heptachlor epoxide	047GW006	0.04	ND	ND	ND	NA	NA	NL
Phenanthrene	047GW006	1.00	6.00	6.00	5.00	NA	NA	NL
Phenol	047GW007	ND	ND	1.00	2.00	NA	NA	NL
Pyrene	047GW006	3.00	1.00	1.00	ND	NA	NA	NL
Tetrachloroethene	047GW013	ND	7.00	ND	ND	NA	NA	NL
TPH (mg/L)- Diesel Range Organics	047GW010	ND	ND	0.13	ND	NA	NA	NL
TPH (mg/L) - Gasoline Range Organics	047GW013	ND	ND	0.66	ND	NA	NA	NL
Gasoline	047GW001	ND	ND	7.20	ND	NA	NA	NL
	047GW002	ND	ND	5.40	ND			
	047GW003	ND	ND	6.60	ND			
	047GW010	ND	11.70	ND	ND			
	047GW011	ND	ND	6.10	ND			
	047GW012	ND	ND	6.80	ND			
	047GW013	ND	ND	49.90	28.00			
	047GW015	ND	ND	12.00	ND			
Dioxin and Dibenzofuran (pg/L)								
1234678-HpCDD	047GW015	ND	ND	ND	23.90	NA	NA	NL
1234678-HpCDF	047GW015	ND	29.70	ND	9.36	NA	NA	NL
123478-HxCDF	047GW015	ND	154.00	ND	ND	NA	NA	NL
23478-PeCDF	047GW015	ND	53.30	ND	ND	NA	NA	NL
2378-TCDF	047GW015	ND	168.00	ND	ND	NA	NA	NL
OCDD	047HW005	17.68	ND	ND	ND	NA	NA	NL
	047GW015	ND	21.90	ND	131.00			
OCDF	047HW005	1.85	ND	ND	ND	NA	NA	NL
	047GW015	ND	13.00	ND	ND			
OCDF	047GW015	ND	ND	ND	7.76	NA	NA	NL

Notes:
ND: Not Detected
NA: Not Applicable
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For compounds that were detected in only one of these samples, the value of the one detecton is used.

Chemicals Detected in Zone C Monitoring Wells
AOC 510

Name	Location	Round 1 Conc.	Round 2 Conc.	Round 3 Conc.	Round 4 Conc.	RBC (THQ=0.1)	2x Mean	MCL
Inorganic Chemicals (ug/L)								
Aluminum (Al)	510GW00101	13300.00	199.00	812.00	1870.00	3700.00	410	NL
	510GW00201	1280.00	147.00	ND	625.00			
Barium (Ba)	510GW00101	96.80	24.10	ND	35.20	260.00	16.7	2000.00
	510GW00201	49.60	45.10	ND	39.60			
Calcium (Ca)	510GW00101	8670.00	9160.00	ND	8080.00	NA	NA	NL
	510GW00201	8600.00	11900.00	ND	7490.00			
Chromium (Cr)	510GW00101	16.60	ND	ND	1.10	3700.00	1.99	100.00
	510GW00201	1.90	ND	ND	ND			
Iron (Fe)	510GW00101	2460.00	ND	114.00	215.00	1100.00	NA	NL
	510GW00201	202.00	36.20	ND	130.00			
Magnesium (Mg)	510GW00101	1340.00	1040.00	1,380.00	1270.00	NA	NA	NL
	510GW00201	1800.00	2480.00	1,810.00	1720.00			
Manganese (Mn)	510GW00101	13.00	3.40	ND	3.70	84.00	608	NL
	510GW00201	5.50	5.30	ND	5.80			
Mercury (Hg)	510GW00101	ND	ND	ND	3.70	1.10	ND	NL
	510GW00201	ND	ND	ND	5.80			
Nickel (Ni)	510GW00101	6.00	ND	ND	ND	73.00	3.59	100.00
Potassium (K)	510GW00101	2370.00	ND	ND	ND	NA	NA	NL
	510GW00201	2500.00	ND	ND	ND			
Selenium (Se)	510GW00101	ND	ND	ND	3430.00	18.00	ND	50.00
	510GW00201	ND	ND	ND	3020.00			
Sodium (Na)	510GW00101	ND	2250.00	ND	2,650.00	NA	NA	NL
	510GW00201	5990.00	12800.00	ND	2,530.00			
Thallium (Tl)	510GW00101	ND	ND	ND	2650.00	0.29	ND	2.00
	510GW00201	ND	ND	ND	2580.00			
Vanadium (V)	510GW00101	8.30	0.67	ND	ND	26.00	1.96	NL
	510GW00201	1.70	0.55	ND	0.71			
Zinc (Zn)	510GW00101	78.90	ND	ND	ND	1100.00	13.2	NL
	510GW00201	49.30	ND	ND	10.60			
Cyanide (CN)	510GW00104	ND	ND	ND	2.80	73	NA	200
Organic Compounds (ug/L)								
Acetone	510GW00101	18.00	ND	ND	ND	NA	NA	NL
Methylene chloride	510GW00203	ND	ND	12.00	ND	NA	NA	NL

Notes:
ND: Not Detected
NA: Not Applicable
For compounds detected in both the primary and duplicate sample, the concentrations for both detections are averaged and listed as one detection.
For compounds that were detected in only one of these samples, the value of the one detecton is used.

Chemicals Detected in Zone C Monitoring Wells
AOC 523

Name	Location	Round 1 Conc.	Round 2 Conc.	Round 3 Conc.	Round 4 Conc.	RBC (THQ=0.1)	2x Mean	MCL
Inorganic Chemicals (ug/L)								
Aluminum (Al)	523GW00101	3700.00	371.00	ND	728.00	3700.00	410.00	NL
	523GW00201	ND	48.70	ND	31.10			
Arsenic (As)	523GW00101	16.60	6.00	ND	ND	0.05	6.07	50.00
	523GW00201	26.60	21.10	10.50	ND			
Barium (Ba)	523GW00101	47.50	31.50	ND	29.40	260.00	16.70	2000.00
	523GW00201	ND	8.10	ND	4.40			
Beryllium (Be)	523GW00101	ND	0.32	ND	ND	0.02	0.33	4.00
Calcium (Ca)	523GW00101	17700.00	25000.00	21000.00	233.00	NA	NA	NL
	523GW00201	30300.00	24300.00	22500.00	207.00			
Chromium (Cr)	523GW00101	7.30	ND	ND	0.88	3700.00	1.99	100.00
	523GW00201	1.10	0.88	ND	ND			
Cobalt (Co)	523GW00101	14.00	25.20	27.50	ND	220.00	1.33	NL
	523GW00201	3.70	3.00	ND	ND			
Copper (Cu)	523GW00101	4.80	ND	ND	ND	150.00	1.90	1300.00
Cyanide	523GW00203	ND	ND	35.00	ND			
Iron (Fe)	523GW00101	21000.00	9230.00	9350.00	8130.00	1100.00	NA	NL
	523GW00201	9730.00	2280.00	1980.00	1400.00			
Lead (Pb)	523GW00101	7.90	ND	ND	ND	15.00	3.27	15.00
Magnesium (Mg)	523GW00101	4320.00	5170.00	4850.00	5130.00	NA	NA	NL
	523GW00201	4450.00	3020.00	3040.00	2460.00			
Manganese (Mn)	523GW00101	921.00	619.00	785.00	567.00	84.00	608.00	NL
	523GW00201	240.00	138.00	145.00	117.00			
Nickel (Ni)	523GW00101	3.90	1.60	ND	ND	73.00	3.59	100.00
	523GW00201	ND	0.94	ND	ND			
Potassium (K)	523GW00101	2160.00	ND	ND	3030.00	NA	NA	NL
	523GW00201	1760.00	ND	ND	ND			
Sodium (Na)	523GW00101	10600.00	9680.00	ND	12000.00	NA	NA	NL
	523GW00201	ND	3160.00	934000.00	2900.00			
Thallium (Tl)	523GW00101	ND	ND	4.30	ND	0.29	NA	2.00
Tin (Sn)	523GW00101	8.00	ND	ND	ND	2200.00	NA	NL
Vanadium (V)	523GW00101	9.90	2.60	ND	1.80	26.00	1.96	NL
	523GW00201	1.70	1.50	ND	0.64			
Zinc (Zn)	523GW00101	52.70	15.60	ND	12.90	1100.00	13.20	NL
	523GW00201	28.60	ND	ND	ND			
Organic Compounds (ug/L)								
Gasoline	523GW00103	ND	ND	10.20	ND	NA	NA	NL
Sulfotep	523HW00101	0.15	NS	NS	NS	NA	NA	NL
TPH (mg/L) - Gasoline Range Organics	523GW00201	12.12	ND	ND	ND	NA	NA	NL
Dioxin and Dibenzofuran (pg/L)								
1234678-HpCDD	523HW00101	2.33	NS	NS	NS	NA	NA	NL
1234678-HpCDF	523HW00101	1.35	NS	NS	NS	NA	NA	NL
123789-HxCDF	523HW00101	3.79	NS	NS	NS	NA	NA	NL
OCDD	523HW00101	12.68	NS	NS	NS	NA	NA	NL
OCDF	523HW00101	1.52	NS	NS	NS	NA	NA	NL

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Chemicals Detected in Zone C Monitoring Wells
Grid Samples

Name	Location	Round 1 Conc.	Round 2 Conc.	Round 3 Conc.	Round 4 Conc.	RBC (THQ=0.1)	2x Mean	MCL
Inorganic Chemicals (ug/L)								
Aluminum (Al)	GDCGW001	620.00	280.00	ND	400.00	3700.00	410	NL
	GDCGW002	NS	ND	ND	95.70			
	GDCGW01D	ND	ND	ND	18.10		22.2	
Arsenic (As)	GDCGW001	ND	3.55	3.35	4.30	0.05	6.07	50.00
	GDCGW002	NS	5.60	ND	ND			
Barium (Ba)	GDCGW001	ND	4.45	ND	4.95	260.00	16.7	2000.00
	GDCGW002	NS	16.40	ND	14.10			
	GDCGW01D	ND	11.60	ND	12.80		52.2	
	GDCGW02D	ND	70.40	ND	54.50			
	GDCGW002	NS	0.33	ND	ND			
Beryllium (BE)	GDCGW02D	ND	0.36	ND	ND	0.02	0.32	4.00
Cadmium (Cd)	GDCGW001	ND	nd	0.50	nd	1.80	NA	5.00
Calcium (CA)	GDCGW001	35200.00	27000.00	27,700.00	25700.00			
	GDCGW002	NS	152000.00	127,000.00	137000.00			
	GDCGW01D	44800.00	55400.00	57,500.00	62800.00		NA	
	GDCGW02D	101000.00	179000.00	167,000.00	171000.00			
Chromium (Cr)	GDCGW001	2.10	1.50	ND	0.92	3700.00	1.99	100.00
	GDCGW002	NS	1.60	ND	ND			
Cobalt	GDCGW002	NS	1.60	ND	ND	220.00	1.33	NL
Copper	GDCGW001	ND	1.50	ND	ND			
Iron (Fe)	GDCGW001	566.00	288.00	416.00	775.00	1100.00	NA	NL
	GDCGW002	NS	1700.00	1,860.00	4660.00			
	GDCGW01D	587.00	485.00	611.00	788.00		NA	
	GDCGW02D	220.00	240.00	213.00	224.00			
Lead (Pb)	GDCGW001	ND	ND	ND	2.70	15.00	3.27	15.00
	GDCGW002	NS	ND	ND	4.40			
Magnesium (Mg)	GDCGW001	1000.00	722.00	ND	705.00	NA	NA	NL
	GDCGW002	NS	9250.00	7,390.00	8990.00			
	GDCGW01D	1420.00	1900.00	1,930.00	2190.00		NA	
	GDCGW02D	13200.00	22400.00	20,000.00	21600.00			
Manganese (Mn)	GDCGW001	30.40	18.25	ND	26.15	84.00	608	NL
	GDCGW002	NS	789.00	368.00	665.00			
	GDCGW01D	35.40	48.10	49.00	54.60		147	
	GDCGW02D	67.50	123.00	105.00	105.00			
Nickel (Ni)	GDCGW001	1.60	ND	ND	ND	73.00	3.59	100.00
	GDCGW002	NS	5.00	ND	ND			
Potassium (K)	GDCGW001	560.00	ND	ND	ND	NA	NA	NL
	GDCGW002	NS	ND	ND	6400.00			
	GDCGW01D	918.00	ND	ND	ND		NA	
	GDCGW02D	11200.00	11200.00	ND	9700.00			
Sodium (Na)	GDCGW001	ND	2910.00	2,900.00	2870.00	NA	NA	NL
	GDCGW002	NS	9910.00	ND	11300.00			
	GDCGW01D	8200.00	8320.00	ND	9680.00		NA	
	GDCGW02D	181000.00	243000.00	221,000.00	213000.00			
Vanadium (V)	GDCGW001	1.90	1.35	ND	ND	26.00	1.96	NL
	GDCGW01D	0.43	ND	ND	ND		0.54	
Zinc (Zn)	GDCGW001	13.40	ND	ND	ND	1100.00	13.2	NL
	GDCGW002	NS	5.60	ND	14.60			

Chemicals Detected in Zone C Monitoring Wells
Grid Samples

Name	Location	Round 1 Conc.	Round 2 Conc.	Round 3 Conc.	Round 4 Conc.	RBC (THQ=0.1)	2x Mean	MCL
Organic Compounds (ug/L)								
Acetone	GDCGW02D	15.00	15.00	ND	ND	NA	NA	NL
Methylene chloride	GDCGW01D	12.00	ND	ND	ND	NA	NA	NL
Xylene (Total)	GDCGW002	2.00	ND	2.00	ND	NA	NA	10000
Dioxin/Dibenzofuran (pg/L)								
2378-TCDF	GDCGW001	ND	36.20	ND	ND	NA	NA	NA
1234678-HpCDD	GDCGW001	ND	ND	ND	14.20	NA	NA	NA
	GDCGW002	ND	ND	ND	25.80			
	GDCGW01D	ND	ND	ND	18.70			
	GDCGW02D	ND	ND	ND	28.90			
1234678-HpCDF	GDCGW002	ND	ND	ND	18.80	NA	NA	NA
	GDCGW01D	ND	ND	ND	7.32			
	GDCGW02D	ND	ND	ND	15.50			
	GDCGW001	ND	ND	ND	8.74			
	GDCGW001	ND	15.20	ND	ND			
234678-HxCDF	GDCGW02D	ND	ND	ND	3.50	NA	NA	NA
OCDD	GDCGW001	6.81	8.40	ND	57.40	NA	NA	NA
	GDCGW002	12.60	12.60	ND	102.00			
	GDCGW01D	4.62	4.62	ND	98.70			
	GDCGW02D	ND	ND	ND	129.00			
OCDF	GDCGW002	ND	ND	ND	14.50	NA	NA	NA
	GDCGW001	ND	ND	ND	8.74			
	GDCGW01D	ND	ND	ND	5.36			
	GDCGW02D	ND	ND	ND	10.30			
Other Compounds (mg/L)								
Chloride	GDCGW001	4.19	8.10	ND	3.40	NA	NA	NL
	GDCGW002	11.20	7.30	ND	6.20			
	GDCGW01D	9.68	8.50	ND	7.50			
	GDCGW02D	380.00	501.00	640.00	608.00			
Sulfate	GDCGW001	12.20	10.50	ND	11.50	NA	NA	NL
	GDCGW002	97.50	56.10	68.10	49.30			
	GDCGW01D	21.30	30.80	37.10	39.90			
	GDCGW02D	33.40	21.80	ND	20.10			
Total Dissolved Solids (TDS)	GDCGW001	172.00	100.00	ND	121.00	NA	NA	NL
	GDCGW002	505.00	496.00	512.00	236.00			
	GDCGW01D	201.00	200.00	ND	253.00			
	GDCGW02D	1240.00	1350.00	1,490.00	1410.00			

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Chemicals Detected in Zone C Soil Samples
SWMU 044

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
Volatile Organic Compounds (ug/kg)						
Toluene	044CB007	1.00	NS	1600000.00	NA	NA
Chlorinated Pesticides (ug/kg)						
Aldrin	044CB007	1.40	NS	38.00	NA	NA
Chlordane	044CB007	2.40	NS	490.00	NA	NA
Endosulfan sulfate	044CB007	0.43	NS	47000.00	NA	NA
Endrin aldehyde	044CB007	15.00	NS	2300.00	NA	NA
Heptachlor	044CB007	3.90	NS	140.00	NA	NA
Heptachlor epoxide	044CB007	1.20	NS	70.00	NA	NA
Herbicides (ug/kg)						
2,4,5-T	044CB007	28.00	NS	780000.00	NA	NA
Dioxin/Dibenzofuran (ng/kg)						
1234678-HpCDD	044CB007	138.58	NS	NA	NA	NA
1234678-HpCDF	044CB007	20.09	NS	NA	NA	NA
123478-HxCDF	044CB007	4.50	NS	NA	NA	NA
1234789-HpCDF	044CB007	1.03	NS	NA	NA	NA
123678-HxCDD	044CB007	2.80	NS	NA	NA	NA
123789-HxCDD	044CB007	2.89	NS	NA	NA	NA
234678-HxCDF	044CB007	0.86	NS	NA	NA	NA
OCDD	044CB007	1288.57	NS	NA	NA	NA
OCDF	044CB007	50.82	NS	NA	NA	NA
Inorganic Compounds (mg/kg)						
Aluminum (Al)	044SB001	1240.00	NS	7800.00	9990.00	23700.00
	044SB002	6220.00	NS			
	044SB003	5040.00	NS			
	044SB004	4540.00	28900.00			
	044SB005	8790.00	NS			
	044SB006	17500.00	NS			
	044SB007	6475.00	NS			
	044SB008	5230.00	NS			
	044SB023	2570.00	NS			
	044SB024	2440.00	NS			
	044SB025	36600.00	NS			
	044SB026	2800.00	NS			
Antimony (Sb)	044SB001	ND	NS	3.10	0.55	0.92
	044SB002	ND	NS			
	044SB003	ND	NS			
	044SB004	ND	ND			
	044SB005	ND	NS			
	044SB006	ND	NS			
	044SB007	ND	NS			
	044SB008	ND	NS			
	044SB023	1.10	NS			
	044SB024	0.85	NS			
	044SB025	ND	NS			
Arsenic (As)	044SB001	1.30	NS	0.43	14.20	14.10
	044SB002	6.50	NS			
	044SB003	5.00	NS			

Chemicals Detected in Zone C Soil Samples
SWMU 044

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	044SB004	4.10	12.30			
	044SB005	13.80	NS			
	044SB006	103.00	NS			
	044SB007	29.80	NS			
	044SB008	53.60	NS			
	044SB023	12.60	NS			
	044SB024	7.60	NS			
	044SB025	26.60	NS			
	044SB026	2.80	NS			
Barium (Ba)	044SB001	7.00	NS	550.00	77.20	68.50
	044SB002	16.10	NS			
	044SB003	12.20	NS			
	044SB004	23.00	37.40			
	044SB005	26.10	NS			
	044SB006	426.00	NS			
	044SB007	41.70	NS			
	044SB008	39.00	NS			
	044SB023	45.40	NS			
	044SB024	28.20	NS			
	044SB025	46.40	NS			
	044SB026	6.70	NS			
Beryllium (Be)	044SB001	ND	NS	0.15	NA	0.98
	044SB002	0.28	NS			
	044SB003	0.22	NS			
	044SB004	0.65	1.30			
	044SB005	0.46	NS			
	044SB006	2.00	NS			
	044SB007	0.51	NS			
	044SB008	0.55	NS			
	044SB023	ND	NS			
	044SB024	ND	NS			
	044SB025	1.90	NS			
	044SB026	0.16	NS			
Cadmium (Cd)	044SB001	ND	NS	3.90	0.65	0.28
	044SB002	0.09	NS			
	044SB003	0.11	NS			
	044SB004	0.80	1.20			
	044SB005	0.44	NS			
	044SB006	3.60	NS			
	044SB007	0.90	NS			
	044SB008	0.49	NS			
	044SB023	ND	NS			
	044SB024	ND	NS			
	044SB025	0.51	NS			
	044SB026	ND	NS			
Calcium (Ca)	044SB001	76700.00	NS	NA	NA	NA
	044SB002	3140.00	NS			
	044SB003	14000.00	NS			
	044SB004	43300.00	5700.00			
	044SB005	2030.00	NS			
	044SB006	16700.00	NS			
	044SB007	164500.00	NS			
	044SB008	7270.00	NS			

Chemicals Detected in Zone C Soil Samples
SWMU 044

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	044SB023	31300.00	NS			
	044SB024	28900.00	NS			
	044SB025	27900.00	NS			
	044SB026	5840.00	NS			
Chromium (Cr)	044SB001	3.40	NS	39.00	26.40	12.50
	044SB002	7.10	NS			
	044SB003	12.80	NS			
	044SB004	19.00	43.70			
	044SB005	15.10	NS			
	044SB006	46.90	NS			
	044SB007	25.10	NS			
	044SB008	61.50	NS			
	044SB023	11.20	NS			
	044SB024	22.70	NS			
	044SB025	54.30	NS			
	044SB026	7.30	NS			
Cobalt (Co)	044SB001	0.88	NS	470.00	3.22	7.10
	044SB002	1.70	NS			
	044SB003	1.70	NS			
	044SB004	5.00	7.90			
	044SB005	3.50	NS			
	044SB006	8.60	NS			
	044SB007	6.70	NS			
	044SB008	4.80	NS			
	044SB023	1.40	NS			
	044SB024	6.40	NS			
	044SB025	13.60	NS			
	044SB026	5.60	NS			
Copper (Cu)	044SB001	ND	NS	310.00	34.70	42.20
	044SB002	6.50	NS			
	044SB003	11.80	NS			
	044SB004	14.80	37.10			
	044SB005	24.10	NS			
	044SB006	122.00	NS			
	044SB007	91.80	NS			
	044SB008	34.90	NS			
	044SB023	33.70	NS			
	044SB024	207.00	NS			
	044SB025	43.90	NS			
	044SB026	4.50	NS			
Iron (Fe)	044SB001	2420.00	NS	2300.00	NA	NA
	044SB002	8010.00	NS			
	044SB003	4350.00	NS			
	044SB004	6340.00	29700.00			
	044SB005	10800.00	NS			
	044SB006	99500.00	NS			
	044SB007	10430.00	NS			
	044SB008	11000.00	NS			
	044SB023	4070.00	NS			
	044SB024	4200.00	NS			
	044SB025	31900.00	NS			
	044SB026	3520.00	NS			
Lead (Pb)	044SB001	1.70	NS	400.00	330.00	73.20

Chemicals Detected in Zone C Soil Samples
SWMU 044

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	044SB002	7.00	NS			
	044SB003	20.10	NS			
	044SB004	11.00	46.00			
	044SB005	32.10	NS			
	044SB006	ND	NS			
	044SB006	37.80	NS			
	044SB007	156.85	NS			
	044SB008	50.30	NS			
	044SB023	65.20	NS			
	044SB024	80.60	NS			
	044SB025	64.20	NS			
	044SB026	26.10	NS			
Magnesium (Mg)	044SB001	437.00	NS	NA	NA	NA
	044SB002	245.00	NS			
	044SB003	711.00	NS			
	044SB004	1630.00	4170.00			
	044SB005	942.00	NS			
	044SB006	2090.00	NS			
	044SB007	3795.00	NS			
	044SB008	692.00	NS			
	044SB023	556.00	NS			
	044SB024	918.00	NS			
	044SB025	5780.00	NS			
	044SB026	514.00	NS			
Manganese (Mn)	044SB001	42.90	NS	180.00	92.50	106.00
	044SB002	38.50	NS			
	044SB003	34.00	NS			
	044SB004	57.30	171.00			
	044SB005	86.30	NS			
	044SB006	96.30	NS			
	044SB007	165.00	NS			
	044SB008	104.00	NS			
	044SB023	56.00	NS			
	044SB024	52.40	NS			
	044SB025	408.00	NS			
	044SB026	199.00	NS			
Mercury (Hg)	044SB001	ND	NS	2.30	0.24	0.30
	044SB002	ND	NS			
	044SB003	0.72	NS			
	044SB004	ND	0.46			
	044SB005	0.20	NS			
	044SB006	ND	NS			
	044SB007	0.87	NS			
	044SB008	0.12	NS			
	044SB023	0.25	NS			
	044SB024	0.12	NS			
	044SB025	0.53	NS			
	044SB026	0.15	NS			
Nickel (Ni)	044SB001	2.40	NS	160.00	12.30	16.70
	044SB002	4.40	NS			
	044SB003	4.40	NS			
	044SB004	15.30	13.60			
	044SB005	9.20	NS			

Chemicals Detected in Zone C Soil Samples
SWMU 044

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	044SB006	43.40	NS			
	044SB007	32.35	NS			
	044SB008	11.80	NS			
	044SB023	6.60	NS			
	044SB024	15.30	NS			
	044SB025	36.90	NS			
	044SB026	14.00	NS			
Potassium (K)	044SB001	156.00	NS	NA	NA	NA
	044SB002	215.00	NS			
	044SB003	308.00	NS			
	044SB004	672.00	2660.00			
	044SB005	714.00	NS			
	044SB006	8610.00	NS			
	044SB007	1305.00	NS			
	044SB008	566.00	NS			
	044SB023	194.00	NS			
	044SB024	163.00	NS			
	044SB025	3810.00	NS			
	044SB026	252.00	NS			
Selenium (Se)	044SB001	ND	NS	39.00	1.44	2.90
	044SB002	1.10	NS			
	044SB003	ND	NS			
	044SB004	1.60	1.80			
	044SB005	1.20	NS			
	044SB006	8.80	NS			
	044SB007	1.40	NS			
	044SB008	1.40	NS			
	044SB023	0.64	NS			
	044SB024	ND	NS			
	044SB025	0.72	NS			
	044SB026	ND	NS			
Silver (Ag)	044SB001	ND	NS	39.00	NA	NA
	044SB002	ND	NS			
	044SB003	ND	NS			
	044SB004	ND	ND			
	044SB005	ND	NS			
	044SB006	ND	NS			
	044SB006	ND	NS			
	044SB007	ND	NS			
	044SB008	ND	NS			
	044SB023	ND	NS			
	044SB024	0.08	NS			
	044SB025	ND	NS			
	044SB026	ND	NS			
Sodium (Na)	044SB001	1120.00	NS	NA	NA	NA
	044SB002	ND	NS			
	044SB003	162.00	NS			
	044SB004	360.00	458.00			
	044SB005	518.00	NS			
	044SB006	90300.00	NS			
	044SB007	818.00	NS			
	044SB008	ND	NS			
	044SB023	237.00	NS			

Chemicals Detected in Zone C Soil Samples
SWMU 044

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	044SB024	261.00	NS			
	044SB025	7270.00	NS			
	044SB026	367.00	NS			
Thallium (Tl)	044SB001	ND	NS	0.63	NA	NA
	044SB002	ND	NS			
	044SB003	ND	NS			
	044SB004	ND	ND			
	044SB005	ND	NS			
	044SB006	ND	NS			
	044SB007	ND	NS			
	044SB008	ND	NS			
	044SB023	ND	NS			
	044SB024	ND	NS			
	044SB025	ND	NS			
	044SB026	ND	NS			
Tin (Sn)	044SB001	1.00	NS	4700.00	2.95	2.37
	044SB002	ND	NS			
	044SB003	1.30	NS			
	044SB004	ND	ND			
	044SB005	ND	NS			
	044SB006	ND	NS			
	044SB007	23.70	NS			
	044SB008	1.50	NS			
	044SB023	3.30	NS			
	044SB024	3.40	NS			
	044SB025	ND	NS			
	044SB026	ND	NS			
Vanadium (V)	044SB001	3.80	NS	55.00	23.40	56.90
	044SB002	11.70	NS			
	044SB003	10.50	NS			
	044SB004	12.60	71.70			
	044SB005	18.70	NS			
	044SB006	42.00	NS			
	044SB007	19.65	NS			
	044SB008	18.80	NS			
	044SB023	7.40	NS			
	044SB024	6.30	NS			
	044SB025	68.20	NS			
	044SB026	7.10	NS			
Zinc (Zn)	044SB001	6.40	NS	2300.00	159.00	243.00
	044SB002	14.00	NS			
	044SB003	37.10	NS			
	044SB004	49.30	132.00			
	044SB005	68.10	NS			
	044SB006	123.00	NS			
	044SB007	277.80	NS			
	044SB008	141.00	NS			
	044SB023	74.40	NS			
	044SB024	87.80	NS			
	044SB025	279.00	NS			
	044SB026	65.50	NS			

Chemicals Detected in Zone C Soil Samples
SWMU 044

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
Other Compounds (mg/kg)						
Chloride	044SB006	3600.0000	NA	NA	NA	NA
Cyanide (CN)	044CB007	4.3000	NA	160.00	NA	NA
Nitrate-Nitrite-N	044SB006	0.9550	NA	NA	NA	NA
Sulfur	044SB006	0.2200	NA	NA	NA	NA

Notes:
ND: Not Detected
NS: No Sample Taken/Sample Not Analyzed
NA: Not applicable
For compounds detected in both the primary and duplicate sample, the concentration for both detections are averaged and listed as one detection.
For compounds that were detected in only one of the primary or duplicate sample, the value of the detection was used.
* Surface soil samples were used for human health risk assessment for the Zone C report.

Chemicals Detected in Zone C Soil Samples
SWMU 047

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
Volatile Organic Compounds (ug/kg)						
Acetone	047SB004	ND	24.00	780000	NA	NA
	047SB005	ND	11.00			
	047SB012	47.00	ND			
Semi-volatile Compounds (ug/kg)						
1-Methyl naphthalene	047SB005	130.00	ND	310000	NA	NA
	047SB009	64.00	ND			
	047SB007	ND	140.00			
	047SB018	50.00	NS			
2-Methylnaphthalene	047SB005	100.00	ND	310000	NA	NA
	047SB009	42.00	ND			
	047SB007	ND	230.00			
	047SB018	44.00	NS			
Acenaphthene	047SB005	340.00	ND	470000	NA	NA
	047SB009	64.00	310.00			
	047SB007	ND	430.00			
	047SB011	45.00	ND			
	047SB018	130.00	NS			
Acenaphthylene	047SB016	210.00	NS	310000	NA	NA
Anthracene	047SB005	1100.00	ND	23000000	NA	NA
	047SB006	47.00	NS			
	047SB009	280.00	880.00			
	047SB007	48.00	71.00			
	047SB011	130.00	ND			
	047SB016	110.00	NS			
	047SB018	240.00	NS			
	047SB022	89.00	NS			
Benzo(a)anthracene	047SB001	120.00	ND	880	NA	NA
	047SB002	250.00	NS			
	047SB005	6100.00	250.00			
	047SB006	360.00	NS			
	047SB008	74.00	ND			
	047SB009	795.00	1600.00			
	047SB007	440.00	850.00			
	047SB011	560.00	ND			
	047SB012	110.00	ND			
	047SB016	2400.00	NS			
	047SB017	260.00	NS			
	047SB018	710.00	NS			
	047SB019	96.50	NS			
	047SB022	270.00	NS			
Benzo(a)pyrene	047SB001	210.00	ND	88	NA	NA
	047SB002	240.00	NS			
	047SB005	4600.00	240.00			
	047SB006	380.00	NS			
	047SB009	930.00	1200.00			
	047SB007	430.00	1700.00			
	047SB011	400.00	ND			
	047SB012	84.00	ND			
	047SB016	2700.00	NS			
	047SB017	280.00	NS			

Chemicals Detected in Zone C Soil Samples
SWMU 047

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	047SB018	590.00	NS			
	047SB019	72.00	NS			
	047SB022	170.00	NS			
Benzo(b)fluoranthene	047SB001	450.00	ND	880	NA	NA
	047SB002	450.00	NS			
	047SB005	10000.00	430.00			
	047SB006	580.00	NS			
	047SB008	93.00	ND			
	047SB009	1500.00	1700.00			
	047SB007	890.00	1600.00			
	047SB011	800.00	ND			
	047SB012	150.00	ND			
	047SB016	6700.00	NS			
	047SB017	530.00	NS			
	047SB018	1000.00	NS			
	047SB019	115.00	NS			
	047SB022	330.00	NS			
Benzo(g,h,i)perylene	047SB001	120.00	ND	310000	NA	NA
	047SB002	100.00	NS			
	047SB005	3000.00	150.00			
	047SB006	380.00	NS			
	047SB009	310.00	600.00			
	047SB011	210.00	ND			
	047SB007	240.00	570.00			
	047SB016	1650.00	NS			
	047SB017	160.00	NS			
	047SB018	280.00	NS			
Benzo(k)fluoranthene	047SB001	530.00	ND	8800	NA	NA
	047SB002	540.00	NS			
	047SB005	11000.00	480.00			
	047SB006	650.00	NS			
	047SB008	100.00	ND			
	047SB009	1450.00	2500.00			
	047SB007	860.00	1500.00			
	047SB011	870.00	ND			
	047SB012	170.00	ND			
	047SB016	7100.00	NS			
	047SB017	600.00	NS			
	047SB018	1200.00	NS			
	047SB019	130.00	NS			
	047SB022	380.00	NS			
Chrysene	047SB001	230.00	ND	88000	NA	NA
	047SB002	310.00	NS			
	047SB005	8500.00	380.00			
	047SB006	450.00	NS			
	047SB008	72.00	ND			
	047SB009	810.00	1300.00			
	047SB007	400.00	1200.00			
	047SB011	870.00	ND			
	047SB012	130.00	ND			
	047SB016	2450.00	NS			
	047SB017	350.00	NS			
	047SB018	740.00	NS			

Chemicals Detected in Zone C Soil Samples
SWMU 047

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	047SB019	115.00	NS			
	047SB022	240.00	NS			
Di-n-butylphthalate	047SB009	135.00	94.00	780000	NA	NA
	047SB011	86.00	130.00			
Dibenz(a,h)anthracene	047SB005	1000.00	ND	88	NA	NA
	047SB007	ND	720.00			
	047SB009	82.00	180.00			
	047SB016	530.00	NS			
	047SB018	65.00	NS			
Dibenz(a,j)acridine	047SB005	190.00	ND	88000	NA	NA
	047SB016	100.00	NS			
Dibenzofuran	047SB005	380.00	ND	31000	NA	NA
	047SB009	70.00	200.00			
	047SB007	ND	69.00			
	047SB018	100.00	NS			
Diethylphthalate	047SB003	150.00	ND	6300000	NA	NA
Fluoranthene	047SB001	260.00	ND	310000	NA	NA
	047SB002	390.00	NS			
	047SB005	17000.00	600.00			
	047SB006	640.00	NS			
	047SB007	500.00	390.00			
	047SB008	120.00	ND			
	047SB009	1300.00	2800.00			
	047SB011	1300.00	ND			
	047SB012	180.00	ND			
	047SB016	2350.00	NS			
	047SB017	530.00	NS			
	047SB018	1400.00	NS			
	047SB019	100.00	NS			
	047SB020	61.00	NS			
	047SB022	470.00	NS			
Fluorene	047SB005	650.00	ND	310000	NA	NA
	047SB007	ND	320.00			
	047SB009	74.00	560.00			
	047SB011	58.00	ND			
	047SB018	190.00	NS			
Indeno(1,2,3-cd)pyrene	047SB001	130.00	ND	880	NA	NA
	047SB002	110.00	NS			
	047SB005	3200.00	140.00			
	047SB006	300.00	NS			
	047SB009	330.00	630.00			
	047SB007	240.00	450.00			
	047SB011	220.00	ND			
	047SB016	1600.00	NS			
	047SB017	150.00	NS			
	047SB018	280.00	NS			
Naphthalene	047SB005	430.00	ND	310000	NA	NA
	047SB007	ND	150.00			
	047SB018	150.00	NS			
Pentachlorophenol	047SB023	660.00	NS	5300	NA	NA
Phenanthrene	047SB001	67.00	ND	310000	NA	NA
	047SB002	210.00	NS			
	047SB005	10000.00	320.00			

Chemicals Detected in Zone C Soil Samples
SWMU 047

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	047SB006	230.00	NS			
	047SB008	37.00	ND			
	047SB009	1175.00	3300.00			
	047SB007	240.00	660.00			
	047SB011	800.00	ND			
	047SB012	110.00	ND			
	047SB016	340.00	NS			
	047SB017	280.00	NS			
	047SB018	1300.00	NS			
	047SB019	57.00	NS			
	047SB022	380.00	NS			
Phenol	047SB001	68.00	ND	4700000	NA	NA
Pyrene	047SB001	280.00	ND	230000	NA	NA
	047SB002	370.00	NS			
	047SB004	ND	48.00			
	047SB005	12000.00	490.00			
	047SB006	660.00	NS			
	047SB007	380.00	350.00			
	047SB008	110.00	ND			
	047SB009	980.00	1900.00			
	047SB011	860.00	ND			
	047SB012	200.00	ND			
	047SB016	3550.00	NS			
	047SB017	480.00	NS			
	047SB018	1100.00	NS			
	047SB019	135.00	NS			
	047SB020	59.00	NS			
	047SB022	360.00	NS			
bis(2-Ethylhexyl)phthalate (BEHP)	047SB005	420.00	ND	46000	NA	NA
	047SB017	89.00	ND			
Chlorinated Pesticides (ug/kg)						
4,4'-DDD	047SB002	8.20	ND	2700	NA	NA
	047SB005	7.70	ND			
	047SB007	ND	0.58			
	047SB009	ND	0.63			
	047SB011	0.40	ND			
4,4'-DDE	047SB002	8.00	ND	19000	NA	NA
	047SB005	67.00	ND			
	047SB008	27.00	ND			
	047SB009	34.00	1.30			
	047SB007	4.00	ND			
4,4'-DDT	047SB005	46.00	ND	1900	NA	NA
	047SB008	11.00	ND			
	047SB009	3.70	0.43			
	047SB007	1.60	0.56			
Aldrin	047SB009	ND	0.26	38	NA	NA
	047SB010	0.14	NS			
	047SB007	0.31	1.40			
Dieldrin	047SB005	1.60	ND	40	NA	NA
Endosulfan I	047SB009	1.60	ND	47000	NA	NA
	047SB007	0.84	1.50			

Chemicals Detected in Zone C Soil Samples
SWMU 047

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	047SB011	4.10	1.70			
Endosulfan II	047SB001	3.60	ND	47000	NA	NA
	047SB003	0.28	0.10			
Endosulfan sulfate	047SB001	7.50	ND	47000	NA	NA
	047SB009	2.50	ND			
Endrin	047SB009	0.64	0.34	2300	NA	NA
	047SB007	ND	0.52			
Endrin aldehyde	047SB001	8.80	ND	2300	NA	NA
	047SB003	1.10	ND			
	047SB005	1.90	4.50			
	047SB007	0.34	1.40			
Heptachlor	047SB005	1.00	ND	140	NA	NA
	047SB007	0.27	9.30			
	047SB012	1.90	ND			
Heptachlor epoxide	047SB002	1.90	NS	70	NA	NA
	047SB005	5.50	ND			
	047SB009	0.87	0.34			
	047SB010	0.19	NS			
	047SB007	0.17	1.10			
Methoxychlor	047SB001	0.37	ND	39000	NA	NA
	047SB006	9.20	NS			
	047SB007	ND	30.00			
	047SB009	11.50	ND			
	047SB011	44.00	30.00			
	047SB012	37.00	ND			
alpha-BHC	047SB010	0.51	NS	470	NA	NA
	047SB007	0.13	ND			
beta-BHC	047SB005	64.00	ND	470	NA	NA
	047SB009	9.60	18.00			
	047SB010	0.37	NS			
	047SB007	8.50	40.00			
delta-BHC	047SB001	1.20	ND	470	NA	NA
	047SB002	1.50	NS			
	047SB009	ND	0.32			
	047SB007	0.46	ND			
gamma-BHC (Lindane)	047SB011	0.13	ND	470	NA	NA
Dioxin/Dibenzofuran (ng/kg)						
1234678-HpCDD	047CB004	4.90	NS	NA	NA	NA
	047SB009	21.73	NS			
	047CB009	112.33	NS			
1234678-HpCDF	047CB004	89.40	NS	NA	NA	NA
123478-HxCDD	047SB009	0.49	NS	NA	NA	NA
	047CB004	8.81	NS			
	047SB009	11.42	NS			
123678-HxCDD	047SB009	0.66	NS	NA	NA	NA
	047CB004	2.49	NS			
	047SB009	5.78	NS			
123789-HxCDD	047SB009	0.73	NS	NA	NA	NA
	047CB004	0.71	NS			
234678-HxCDF	047CB004	0.71	NS	NA	NA	NA
	047SB009	1.69	NS			

Chemicals Detected in Zone C Soil Samples
SWMU 047

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
OCDD	047CB004	79.68	NS	NA	NA	NA
	047SB009	246.65	NS			
OCDF	047CB004	291.72	NS	NA	NA	NA
	047SB009	222.08	NS			
Total Hepta-Dioxins	047CB004	14.08	NS	NA	NA	NA
	047SB009	45.47	NS			
Total Hepta-Furans	047CB004	89.40	NS	NA	NA	NA
	047SB009	129.58	NS			
Total Hexa-Dioxins	047CB004	4.44	NS	NA	NA	NA
	047SB009	9.00	NS			
Total Hexa-Furans	047CB004	21.25	NS	NA	NA	NA
	047SB009	34.84	NS			
Total Penta-Furans	047SB009	8.85	NS	NA	NA	NA
Total Tetra-Dioxins	047CB004	1.26	NS	NA	NA	NA
Other Compounds (mg/kg)						
Chloride	047SB005	36.00	18.00	NA	NA	NA
Nitrate-Nitrite-N	047SB005	ND	0.85	NA	NA	NA
Hexavalent Chromium	047CB009	0.29	NS	39	NA	NA
Petroleum Hydrocarbons, TPH (mg/kg)						
Petroleum Hydrocarbons, TPH	047SB001	2050.00	39.30	100	NA	NA
	047SB002	230.00	ND			
	047SB003	507.00	118.00			
	047SB004	112.00	53.60			
	047SB005	731.10	28.40			
	047SB006	108.00	NS			
	047SB007	300.00	59.30			
	047SB008	82.20	130.00			
	047SB009	253.00	455.00			
	047SB010	455.00	NS			
	047SB011	27.10	25.80			
	047SB012	29.20	31.20			
	047SB013	28.90	40.10			
	047SB015	28.50	266.00			
Sulfur	047SB005	0.03	0.07	NA	NA	NA
Total phosphorus	047SB005	2.72	2.91	NA	NA	NA
Inorganic Compounds (mg/kg)						
Aluminum (Al)	047SB001	7590.00	7970.00	7800.00	9990.00	23700.00
	047SB002	13900.00	NS			
	047SB003	5440.00	3390.00			
	047SB004	7755.00	5360.00			
	047SB005	3610.00	1030.00			
	047SB006	4460.00	NS			
	047SB007	6580.00	2660.00			
	047SB008	6110.00	22300.00			
	047SB009	3045.00	9210.00			
	047SB010	11800.00	NS			
	047SB011	5470.00	3840.00			
	047SB012	3450.00	4940.00			
	047SB013	3730.00	2670.00			

Chemicals Detected in Zone C Soil Samples
SWMU 047

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	047SB015	3560.00	9760.00			
Antimony (Sb)	047SB001	ND	ND	3.10	0.55	0.92
	047SB002	ND	NS			
	047SB003	ND	0.57			
	047SB004	ND	ND			
	047SB005	ND	ND			
	047SB006	ND	NS			
	047SB007	1.90	1.40			
	047SB008	0.40	ND			
	047SB009	1.32	0.22			
	047SB010	ND	NS			
	047SB011	ND	ND			
	047SB012	ND	ND			
	047SB013	ND	ND			
	047SB015	ND	0.28			
Arsenic (As)	047SB001	0.38	0.61	0.43	14.20	14.10
	047SB002	1.10	NS			
	047SB003	4.40	2.60			
	047SB004	ND	0.47			
	047SB005	ND	ND			
	047SB006	ND	NS			
	047SB007	27.80	9.60			
	047SB008	3.00	12.20			
	047SB009	8.25	3.00			
	047SB010	3.30	NS			
	047SB011	ND	ND			
	047SB012	3.00	ND			
	047SB013	ND	ND			
	047SB015	ND	2.10			
Barium (Ba)	047SB001	19.20	14.00	550.00	77.20	68.50
	047SB002	21.30	NS			
	047SB003	13.60	11.10			
	047SB004	17.00	25.90			
	047SB005	18.20	5.20			
	047SB006	29.50	NS			
	047SB007	170.00	273.00			
	047SB008	42.10	36.00			
	047SB009	60.30	109.00			
	047SB010	33.90	NS			
	047SB011	15.50	11.80			
	047SB012	9.90	17.00			
	047SB013	10.60	12.60			
	047SB015	7.40	30.70			
Beryllium (Be)	047SB001	ND	ND	0.15	NA	0.98
	047SB002	ND	NS			
	047SB003	ND	ND			
	047SB004	ND	ND			
	047SB005	ND	ND			
	047SB006	ND	NS			
	047SB007	0.38	0.62			
	047SB008	ND	1.10			
	047SB009	0.37	ND			
	047SB010	0.50	NS			

Chemicals Detected in Zone C Soil Samples
SWMU 047

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	047SB011	ND	ND			
	047SB012	ND	ND			
	047SB013	ND	ND			
	047SB015	ND	ND			
Cadmium (Cd)	047SB001	ND	ND	3.90	0.65	0.28
	047SB002	ND	NS			
	047SB003	ND	ND			
	047SB004	ND	ND			
	047SB005	ND	ND			
	047SB006	ND	NS			
	047SB007	2.90	2.80			
	047SB008	ND	ND			
	047SB009	ND	ND			
	047SB010	ND	NS			
	047SB011	ND	ND			
	047SB012	ND	ND			
	047SB013	ND	ND			
	047SB015	ND	ND			
Calcium (Ca)	047SB001	422.00	1120.00	NA	NA	NA
	047SB002	12700.00	NS			
	047SB003	63100.00	61800.00			
	047SB004	1495.00	1610.00			
	047SB005	652.00	115.00			
	047SB006	2070.00	NS			
	047SB007	15900.00	5900.00			
	047SB008	15100.00	5410.00			
	047SB009	18100.00	35500.00			
	047SB010	47000.00	NS			
	047SB011	1740.00	1770.00			
	047SB012	5540.00	2090.00			
	047SB013	298.00	171.00			
	047SB015	3450.00	3910.00			
Chromium (Cr)	047SB001	4.80	5.20	39.00	26.40	12.50
	047SB002	13.70	NS			
	047SB003	28.70	32.00			
	047SB004	11.90	5.40			
	047SB005	5.50	1.20			
	047SB006	8.90	NS			
	047SB007	24.00	12.90			
	047SB008	16.60	37.70			
	047SB009	31.50	21.70			
	047SB010	44.60	NS			
	047SB011	2.80	2.70			
	047SB012	7.50	3.20			
	047SB013	3.80	3.90			
	047SB015	4.80	14.80			
Cobalt (Co)	047SB001	0.89	0.56	470.00	3.22	7.10
	047SB002	1.10	NS			
	047SB003	4.80	1.10			
	047SB004	0.90	0.81			
	047SB005	0.57	0.13			
	047SB006	1.70	NS			
	047SB007	8.20	6.60			

Chemicals Detected in Zone C Soil Samples
SWMU 047

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	047SB008	9.70	7.20			
	047SB009	4.95	1.40			
	047SB010	2.30	NS			
	047SB011	0.71	ND			
	047SB012	ND	0,72,			
	047SB013	ND	ND			
	047SB015	ND	2.30			
Copper (Cu)	047SB001	1.30	5.50	310.00	34.70	42.20
	047SB002	3.70	NS			
	047SB003	10.10	8.10			
	047SB004	1.45	15.20			
	047SB005	8.20	ND			
	047SB006	15.90	NS			
	047SB007	416.00	1650.00			
	047SB008	117.00	41.40			
	047SB009	91.00	399.00			
	047SB010	6.90	NS			
	047SB011	1.50	0.91			
	047SB012	3.60	1.00			
	047SB013	1.90	1.00			
	047SB015	1.30	15.60			
Iron (Fe)	047SB001	1460.00	2710.00	2300.00	NA	NA
	047SB002	3400.00	NS			
	047SB003	5290.00	2920.00			
	047SB004	3485.00	2710.00			
	047SB005	1670.00	678.00			
	047SB006	12100.00	NS			
	047SB007	63900.00	45200.00			
	047SB008	8290.00	28400.00			
	047SB009	7235.00	9240.00			
	047SB010	8650.00	NS			
	047SB011	1560.00	1100.00			
	047SB012	1240.00	1530.00			
	047SB013	1460.00	1630.00			
	047SB015	924.00	8240.00			
Lead (Pb)	047SB001	3.90	10.80	400.00	330.00	73.20
	047SB002	11.00	NS			
	047SB003	9.10	2.40			
	047SB004	6.60	54.60			
	047SB005	189.00	2.70			
	047SB006	53.50	NS			
	047SB007	1120.00	1190.00			
	047SB008	132.00	50.70			
	047SB009	204.55	252.00			
	047SB010	6.90	NS			
	047SB011	3.30	3.00			
	047SB012	6.90	3.00			
	047SB013	5.30	2.10			
	047SB015	7.60	45.80			
Magnesium (Mg)	047SB001	278.00	373.00	NA	NA	NA
	047SB002	497.00	NS			
	047SB003	2710.00	4630.00			
	047SB004	485.50	309.00			

Chemicals Detected in Zone C Soil Samples
SWMU 047

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	047SB005	134.00	41.10			
	047SB006	263.00	NS			
	047SB007	1170.00	570.00			
	047SB008	911.00	3130.00			
	047SB009	1037.00	1950.00			
	047SB010	3650.00	NS			
	047SB011	192.00	155.00			
	047SB012	229.00	221.00			
	047SB013	140.00	196.00			
	047SB015	178.00	1090.00			
Manganese (Mn)	047SB001	7.60	14.10	180.00	92.50	106.00
	047SB002	16.60	NS			
	047SB003	52.30	31.20			
	047SB004	5.30	34.20			
	047SB005	31.30	3.10			
	047SB006	50.70	NS			
	047SB007	331.00	254.00			
	047SB008	54.20	276.00			
	047SB009	38.35	38.80			
	047SB010	50.00	NS			
	047SB011	36.30	5.80			
	047SB012	14.80	8.90			
	047SB013	15.00	11.50			
	047SB015	7.00	60.10			
Mercury (Hg)	047SB001	ND	ND	2.30	0.24	0.30
	047SB002	0.18	NS			
	047SB003	ND	ND			
	047SB004	ND	ND			
	047SB005	ND	ND			
	047SB006	ND	NS			
	047SB007	2.20	8.20			
	047SB008	0.17	0.62			
	047SB009	0.32	0.52			
	047SB010	0.13	NS			
	047SB011	ND	ND			
	047SB012	ND	ND			
	047SB013	ND	ND			
	047SB015	ND	ND			
Nickel (Ni)	047SB001	2.90	1.80	160.00	12.30	16.70
	047SB002	3.80	NS			
	047SB003	9.60	11.20			
	047SB004	1.60	2.10			
	047SB005	2.00	0.38			
	047SB006	3.40	NS			
	047SB007	26.50	60.70			
	047SB008	16.80	11.40			
	047SB009	12.20	14.40			
	047SB010	8.90	NS			
	047SB011	2.40	1.90			
	047SB012	1.70	2.40			
	047SB013	1.10	1.30			
	047SB015	0.73	4.50			
Potassium (K)	047SB001	170.00	134.00	NA	NA	NA

Chemicals Detected in Zone C Soil Samples
SWMU 047

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	047SB002	515.00	NS			
	047SB003	1010.00	918.00			
	047SB004	248.00	165.00			
	047SB005	ND	ND			
	047SB006	174.00	NS			
	047SB007	470.00	166.00			
	047SB008	364.00	2120.00			
	047SB009	306.00	627.00			
	047SB010	1010.00	NS			
	047SB011	91.90	85.80			
	047SB012	81.30	107.00			
	047SB013	106.00	107.00			
	047SB015	97.30	604.00			
Selenium (Se)	047SB001	ND	0.58	39.00	1.44	2.90
	047SB002	ND	NS			
	047SB003	1.50	1.60			
	047SB004	0.64	0.72			
	047SB005	0.47	ND			
	047SB006	0.72	NS			
	047SB007	2.40	2.50			
	047SB008	0.73	1.90			
	047SB009	0.61	1.20			
	047SB010	0.89	NS			
	047SB011	ND	ND			
	047SB012	ND	ND			
	047SB013	ND	ND			
	047SB015	ND	1.20			
Silver (Ag)	047SB001	ND	ND	39.00	NA	NA
	047SB002	ND	NS			
	047SB003	ND	ND			
	047SB004	ND	ND			
	047SB005	ND	ND			
	047SB006	ND	NS			
	047SB007	ND	ND			
	047SB008	ND	ND			
	047SB009	ND	ND			
	047SB010	ND	NS			
	047SB011	ND	ND			
	047SB012	ND	ND			
	047SB013	ND	ND			
	047SB015	ND	ND			
Sodium (Na)	047SB001	ND	ND	NA	NA	NA
	047SB002	ND	NS			
	047SB003	1000.00	1020.00			
	047SB004	ND	ND			
	047SB005	ND	ND			
	047SB006	ND	NS			
	047SB007	610.00	455.00			
	047SB008	405.00	283.00			
	047SB009	295.50	427.00			
	047SB010	883.00	NS			
	047SB011	ND	ND			
	047SB012	ND	ND			

Chemicals Detected in Zone C Soil Samples
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Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	047SB013	ND	ND			
	047SB015	ND	ND			
Thallium (Tl)	047SB001	ND	ND	0.63	NA	NA
	047SB002	ND	NS			
	047SB003	ND	ND			
	047SB004	ND	ND			
	047SB005	ND	ND			
	047SB006	ND	NS			
	047SB007	2.10	1.80			
	047SB008	ND	ND			
	047SB009	ND	ND			
	047SB010	ND	NS			
	047SB011	ND	ND			
	047SB012	ND	ND			
	047SB013	ND	ND			
	047SB015	ND	ND			
Tin (Sn)	047SB001	1.40	1.30	4700.00	2.95	2.37
	047SB002	1.20	NS			
	047SB003	ND	ND			
	047SB004	1.20	1.40			
	047SB005	2.20	1.20			
	047SB006	3.20	NS			
	047SB007	46.70	365.00			
	047SB008	24.00	ND			
	047SB009	17.90	56.70			
	047SB010	ND	NS			
	047SB011	ND	0.80			
	047SB012	ND	0.67			
	047SB013	0.94	0.87			
	047SB015	1.40	1.50			
Vanadium (V)	047SB001	4.10	3.80	55.00	23.40	56.90
	047SB002	14.80	NS			
	047SB003	17.60	18.20			
	047SB004	14.35	5.70			
	047SB005	4.90	1.10			
	047SB006	8.20	NS			
	047SB007	44.10	78.80			
	047SB008	13.30	64.30			
	047SB009	12.00	17.20			
	047SB010	25.30	NS			
	047SB011	1.80	1.90			
	047SB012	2.30	2.70			
	047SB013	2.50	3.30			
	047SB015	1.70	17.20			
Zinc (Zn)	047SB001	7.30	24.20	2300.00	159.00	243.00
	047SB002	14.70	NS			
	047SB003	23.90	25.30			
	047SB004	11.80	63.40			
	047SB005	98.10	2.50			
	047SB006	89.20	NS			
	047SB007	1100.00	1320.00			
	047SB008	505.00	123.00			
	047SB009	238.50	145.00			

Chemicals Detected in Zone C Soil Samples
SWMU 047

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	047SB010	29.30	NS			
	047SB011	5.20	4.30			
	047SB012	18.80	6.10			
	047SB013	10.60	3.40			
	047SB015	25.10	90.40			

Notes:
ND: Not Detected
NS: No Sample Taken/Sample Not Analyzed
NA: Not applicable
For compounds detected in both the primary and duplicate sample, the concentration for both detections are averaged and listed as one detection.
For compounds that were detected in only one of the primary or duplicate sample, the value of the detection was used.
* Surface soil samples were used for human health risk assessment for the Zone C report.

Chemicals Detected in Zone C Soil Samples
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Name	ID	Surface Conc.	Subsurface Conc.	RBC THQ=.1)	Surface UTL	Subsurface UTL *
Volatile Organic Compounds (ug/kg)						
Acetone	508SB003	39.00	NS	780000	NA	NA
Toluene	508SB002	8.00	NS	1600000	NA	NA
	508SB004	1.00	ND			
	508SB006	3.00	NS			
Semi-volatile Compounds (ug/kg)						
Acenaphthylene	508SB003	110.00	NS	310000	NA	NA
	508SB006	101.50	NS			
	508SB008	53.00	NS			
Anthracene	508SB006	50.00	NS	0000+E74	NA	NA
	508SB008	43.00	NS			
Benzo(a)anthracene	508SB003	910.00	NS	880	NA	NA
	508SB004	41.00	ND			
	508SB005	72.00	NS			
	508SB006	800.00	NS			
	508SB008	240.00	NS			
Benzo(a)pyrene	508SB003	1100.00	NS	88	NA	NA
	508SB004	45.00	ND			
	508SB005	89.00	NS			
	508SB006	855.00	NS			
	508SB008	220.00	NS			
Benzo(b)fluoranthene	508SB002	69.00	NS	880	NA	NA
	508SB003	1700.00	NS			
	508SB004	83.00	ND			
	508SB005	150.00	NS			
	508SB006	1400.00	NS			
	508SB008	460.00	NS			
Benzo(g,h,i)perylene	508SB003	470.00	NS	310000	NA	NA
	508SB005	41.00	NS			
	508SB006	350.00	NS			
	508SB008	150.00	NS			
Benzo(k)fluoranthene	508SB002	75.00	NS	8800	NA	NA
	508SB003	1900.00	NS			
	508SB004	90.00	ND			
	508SB005	160.00	NS			
	508SB006	1400.00	NS			
	508SB008	140.00	NS			
Chrysene	508SB002	39.00	NS	88000	NA	NA
	508SB003	880.00	NS			
	508SB004	40.00	ND			
	508SB005	80.00	NS			
	508SB006	800.00	NS			
	508SB008	410.00	NS			
Dibenz(a,h)anthracene	508SB003	120.00	NS	88	NA	NA
	508SB006	90.50	NS			
Fluoranthene	508SB002	36.00	NS	310000	NA	NA

Chemicals Detected in Zone C Soil Samples
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Name	ID	Surface Conc.	Subsurface Conc.	RBC THQ=.1)	Surface UTL	Subsurface UTL *
	508SB003	940.00	NS			
	508SB004	66.00	ND			
	508SB005	120.00	NS			
	508SB006	980.00	NS			
	508SB007	91.00	NS			
	508SB008	460.00	NS			
Indeno(1,2,3-cd)pyrene	508SB003	450.00	NS	880	NA	NA
	508SB005	37.00	NS			
	508SB006	330.00	NS			
	508SB008	120.00	NS			
Phenanthrene	508SB003	140.00	NS	310000	NA	NA
	508SB006	245.00	NS			
Pyrene	508SB002	39.00	NS	230000	NA	NA
	508SB003	1300.00	NS			
	508SB004	68.00	ND			
	508SB005	120.00	NS			
	508SB006	905.00	NS			
	508SB007	150.00	NS			
	508SB008	320.00	NS			
bis(2-Ethylhexyl)phthalate (BEHP)	508SB005	72.00	NS	46000	NA	NA
	508SB006	76.00	NS			
	508SB007	98.00	NS			
	508SB008	160.00	NS			
	508SB009	96.00	NS			
Chlorinated Pesticides (ug/kg)						
4,4'-DDD	508SB001	23.00	NS	2700	NA	NA
	508SB002	55.00	NS			
	508SB003	350.00	NS			
	508SB005	6.90	NS			
	508SB006	43.00	NS			
	508SB007	1.80	NS			
	508SB008	68.00	NS			
	508SB009	8.60	NS			
4,4'-DDE	508SB002	250.00	NS	1900	NA	NA
	508SB003	1200.00	NS			
	508SB004	73.00	ND			
	508SB005	230.00	NS			
	508SB006	345.00	NS			
	508SB007	24.00	NS			
	508SB008	680.00	NS			
	508SB009	140.00	NS			
4,4'-DDT	508SB001	57.00	NS	1900	NA	NA
	508SB002	130.00	NS			
	508SB003	2700.00	NS			
	508SB004	56.00	ND			
	508SB005	220.00	NS			

Chemicals Detected in Zone C Soil Samples
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Name	ID	Surface Conc.	Subsurface Conc.	RBC THQ=.1)	Surface UTL	Subsurface UTL *
	508SB006	375.00	NS			
	508SB007	17.00	NS			
	508SB008	960.00	NS			
	508SB009	95.00	NS			
Aldrin	508SB002	1.00	NS	38	NA	NA
	508SB006	3.30	NS			
Chlordane	508SB001	450.00	NS	490	NA	NA
	508SB002	42.00	NS			
	508SB003	140.00	NS			
	508SB007	110.00	NS			
	508SB008	520.00	NS			
	508SB009	78.00	NS			
Dieldrin	508SB002	6.60	NS	40	NA	NA
	508SB003	29.00	NS			
	508SB004	1.50	ND			
	508SB005	4.10	NS			
	508SB006	5.10	NS			
	508SB007	0.72	NS			
	508SB008	18.00	NS			
	508SB009	1.20	NS			
Endosulfan I	508SB004	3.60	ND	47000	NA	NA
	508SB005	3.80	NS			
	508SB006	6.70	NS			
	508SB007	0.98	NS			
Endosulfan II	508SB002	11.00	NS	47000	NA	NA
	508SB004	4.40	ND			
	508SB005	6.40	NS			
	508SB006	4.75	NS			
	508SB008	8.10	NS			
Endosulfan sulfate	508SB006	6.55	NS	47000	NA	NA
	508SB007	4.70	NS			
	508SB008	2.60	NS			
Endrin	508SB002	22.00	NS	2300	NA	NA
	508SB003	55.00	NS			
	508SB004	11.00	ND			
	508SB006	18.00	NS			
	508SB007	9.90	NS			
	508SB008	10.00	NS			
	508SB009	0.24	NS			
Endrin aldehyde	508SB002	1.50	NS	2300	NA	NA
	508SB004	1.70	ND			
	508SB005	3.40	NS			
	508SB008	0.54	NS			
Heptachlor	508SB006	1.70	NS	140	NA	NA
Heptachlor epoxide	508SB001	8.00	NS	70	NA	NA
	508SB002	45.00	NS			
	508SB004	16.00	NS			

Chemicals Detected in Zone C Soil Samples
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Name	ID	Surface Conc.	Subsurface Conc.	RBC THQ=.1)	Surface UTL	Subsurface UTL *
	508SB005	1.30	NS			
	508SB006	41.00	NS			
	508SB007	0.73	NS			
	508SB008	2.60	NS			
	508SB009	0.24	NS			
Methoxychlor	508SB002	6.80	NS	39000	NA	NA
	508SB003	94.00	NS			
	508SB004	8.40	ND			
	508SB006	79.00	NS			
	508SB008	2.80	NS			
	508SB009	1.10	NS			
beta-BHC	508SB002	6.00	NS	470	NA	NA
	508SB004	2.10	ND			
	508SB006	1.80	NS			
delta-BHC	508SB004	7.90	ND	470	NA	NA
	508SB005	9.40	NS			
	508SB006	34.00	NS			
	508SB007	3.20	NS			
Dioxin/Dibenzofuran (ng/kg)						
1234678-HpCDD	508CB006	68.57	NS	NA	NA	NA
1234678-HpCDF	508CB006	37.21	NS	NA	NA	NA
123478-HxCDF	508CB006	5.45	NS	NA	NA	NA
123678-HxCDD	508CB006	1.93	NS	NA	NA	NA
12378-PeCDF	508CB006	0.47	NS	NA	NA	NA
234678-HxCDF	508CB006	1.07	NS	NA	NA	NA
OCDD	508CB006	511.86	NS	NA	NA	NA
OCDF	508CB006	59.58	NS	NA	NA	NA
Total Hepta-Dioxins	508CB006	68.57	NS	NA	NA	NA
Total Hexa-Dioxins	508CB006	0.56	NS	NA	NA	NA
Total Hexa-Furans	508CB006	26.79	NS	NA	NA	NA
Total Penta-Furans	508CB006	6.68	NS	NA	NA	NA
Total Tetra-Furans	508CB006	2.44	NS	NA	NA	NA
Herbicides (ug/kg)						
2,4,5-T	508CB006	12.00	NS	780000	NA	NA
Other Compounds (mg/kg)						
Chloride	508SB003	22.00	NS	NA	NA	NA
Nitrate-Nitrite-N	508SB003	1.03	NS	NA	NA	NA
Total phosphorus	508SB003	2.93	NS	NA	NA	NA
Petroleum Hydrocarbons, TPH (mg/kg)						
Petroleum Hydrocarbons, TPH	508SB001	16.50	NS	100	NA	NA
	508SB002	82.20	NS			
	508SB003	428.00	NS			
	508SB004	99.20	36.40			

Chemicals Detected in Zone C Soil Samples
AOC 508

Name	ID	Surface Conc.	Subsurface Conc.	RBC THQ=.1)	Surface UTL	Subsurface UTL *
	508SB005	67.00	NS			
	508SB006	497.00	NS			
Inorganic Compounds (mg/kg)						
Aluminum (Al)	508SB001	5140.00	NS	7800.00	9990.00	23700
	508SB002	4260.00	NS			
	508SB003	5040.00	NS			
	508SB004	3830.00	925.00			
	508SB005	5150.00	NS			
	508SB006	4185.00	NS			
	508SB007	4910.00	NS			
	508SB008	4110.00	NS			
	508SB009	2240.00	NS			
Antimony (Sb)	508SB001	0.36	NS	3.10	0.55	0.92
	508SB002	ND	NS			
	508SB003	ND	NS			
	508SB004	ND	ND			
	508SB005	ND	NS			
	508SB006	0.24	NS			
	508SB007	0.35	NS			
	508SB008	0.70	NS			
	508SB009	0.30	NS			
Arsenic (As)	508SB001	2.20	NS	0.43	14.20	14.1
	508SB002	1.30	NS			
	508SB003	3.60	NS			
	508SB004	1.20	ND			
	508SB005	1.20	NS			
	508SB006	4.30	NS			
	508SB007	3.70	NS			
	508SB008	ND	NS			
	508SB009	ND	NS			
Barium (Ba)	508SB001	6.40	NS	550.00	77.20	68.5
	508SB002	20.60	NS			
	508SB003	74.30	NS			
	508SB004	19.00	2.30			
	508SB005	37.40	NS			
	508SB006	61.65	NS			
	508SB007	22.90	NS			
	508SB008	35.10	NS			
	508SB009	11.70	NS			
Beryllium (Be)	508SB001	0.10	NS	0.15	NA	0.98
	508SB002	0.12	NS			
	508SB003	0.19	NS			
	508SB004	0.10	0.03			
	508SB005	0.11	NS			
	508SB006	0.22	NS			
	508SB007	ND	NS			

Chemicals Detected in Zone C Soil Samples
AOC 508

Name	ID	Surface Conc.	Subsurface Conc.	RBC THQ=.1)	Surface UTL	Subsurface UTL *
	508SB008	ND	NS			
	508SB009	ND	NS			
Cadmium (Cd)	508SB001	ND	NS	3.90	0.65	0.28
	508SB002	0.27	NS			
	508SB003	0.46	NS			
	508SB004	ND	ND			
	508SB005	0.10	NS			
	508SB006	0.69	NS			
	508SB007	ND	NS			
	508SB008	0.60	NS			
	508SB009	ND	NS			
Calcium (Ca)	508SB001	639.00	NS	NA	NA	NA
	508SB002	1410.00	NS			
	508SB003	2620.00	NS			
	508SB004	1300.00	225.00			
	508SB005	3380.00	NS			
	508SB006	7035.00	NS			
	508SB007	977.00	NS			
	508SB008	1920.00	NS			
	508SB009	408.00	NS			
Chromium (Cr)	508SB001	6.20	NS	39.00	26.40	12.5
	508SB002	6.50	NS			
	508SB003	11.90	NS			
	508SB004	4.20	1.40			
	508SB005	7.10	NS			
	508SB006	12.85	NS			
	508SB007	5.60	NS			
	508SB008	8.70	NS			
	508SB009	3.70	NS			
Cobalt (Co)	508SB001	0.75	NS	470.00	3.22	7.1
	508SB002	0.66	NS			
	508SB003	1.30	NS			
	508SB004	1.26	0.09			
	508SB005	0.70	NS			
	508SB006	1.80	NS			
	508SB007	0.38	NS			
	508SB008	0.61	NS			
	508SB009	0.27	NS			
Copper (Cu)	508SB001	20.80	NS	310.00	34.70	42.2
	508SB002	17.40	NS			
	508SB003	15.00	NS			
	508SB004	3.60	0.41			
	508SB005	15.10	NS			
	508SB006	22.15	NS			
	508SB007	4.50	NS			
	508SB008	22.40	NS			
	508SB009	4.30	NS			

Chemicals Detected in Zone C Soil Samples
AOC 508

Name	ID	Surface Conc.	Subsurface Conc.	RBC THQ=.1)	Surface UTL	Subsurface UTL *
Iron (Fe)	508SB001	1460.00	NS	2300.00	NA	NA
	508SB002	2360.00	NS			
	508SB003	11700.00	NS			
	508SB004	5535.00	532.00			
	508SB005	2140.00	NS			
	508SB006	8370.00	NS			
	508SB007	2560.00	NS			
	508SB008	3200.00	NS			
	508SB009	1540.00	NS			
Lead (Pb)	508SB001	13.80	NS	400.00	330.00	73.2
	508SB002	180.00	NS			
	508SB003	327.00	NS			
	508SB004	33.60	1.90			
	508SB005	126.00	NS			
	508SB006	767.50	NS			
	508SB007	91.00	NS			
	508SB008	135.00	NS			
	508SB009	15.70	NS			
Magnesium (Mg)	508SB001	336.00	NS	NA	NA	NA
	508SB002	300.00	NS			
	508SB003	436.00	NS			
	508SB004	265.00	32.90			
	508SB005	336.00	NS			
	508SB006	665.50	NS			
	508SB007	248.00	NS			
	508SB008	290.00	NS			
	508SB009	112.00	NS			
Manganese (Mn)	508SB001	8.20	NS	180.00	92.50	106
	508SB002	28.50	NS			
	508SB003	63.50	NS			
	508SB004	24.50	4.20			
	508SB005	30.60	NS			
	508SB006	73.85	NS			
	508SB007	35.50	NS			
	508SB008	41.80	NS			
	508SB009	20.80	NS			
Mercury (Hg)	508SB001	ND	NS	2.30	0.24	0.3
	508SB002	0.10	NS			
	508SB003	0.32	NS			
	508SB004	ND	ND			
	508SB005	ND	NS			
	508SB006	0.26	NS			
	508SB007	0.15	NS			
	508SB008	0.20	NS			
	508SB009	ND	NS			
Nickel (Ni)	508SB001	1.50	NS	160.00	12.30	16.7
	508SB002	2.20	NS			

Chemicals Detected in Zone C Soil Samples
AOC 508

Name	ID	Surface Conc.	Subsurface Conc.	RBC THQ=.1)	Surface UTL	Subsurface UTL *
	508SB003	4.40	NS			
	508SB004	1.20	ND			
	508SB005	2.90	NS			
	508SB006	5.15	NS			
	508SB007	3.10	NS			
	508SB008	3.40	NS			
	508SB009	1.30	NS			
Potassium (K)	508SB001	106.00	NS	NA	NA	NA
	508SB002	98.70	NS			
	508SB003	206.00	NS			
	508SB004	93.40	32.70			
	508SB005	175.00	NS			
	508SB006	184.00	NS			
	508SB007	89.30	NS			
	508SB008	123.00	NS			
	508SB009	74.00	NS			
Selenium (Se)	508SB001	0.67	NS	39.00	1.44	2.9
	508SB002	0.55	NS			
	508SB003	1.00	NS			
	508SB004	ND	ND			
	508SB005	ND	NS			
	508SB006	1.20	NS			
	508SB007	ND	NS			
	508SB008	0.74	NS			
	508SB009	ND	NS			
Silver (Ag)	508SB001	ND	NS	39.00	NA	NA
	508SB002	ND	NS			
	508SB003	ND	NS			
	508SB004	ND	ND			
	508SB005	ND	NS			
	508SB006	ND	NS			
	508SB007	ND	NS			
	508SB008	ND	NS			
	508SB009	ND	NS			
Sodium (Na)	508SB001	ND	NS	NA	NA	NA
	508SB002	ND	NS			
	508SB003	ND	NS			
	508SB004	ND	ND			
	508SB005	ND	NS			
	508SB006	ND	NS			
	508SB007	ND	NS			
	508SB008	ND	NS			
	508SB009	ND	NS			
Thallium (Tl)	508SB001	ND	NS	0.63	NA	NA
	508SB002	ND	NS			
	508SB003	ND	NS			
	508SB004	ND	ND			

Chemicals Detected in Zone C Soil Samples
AOC 508

Name	ID	Surface Conc.	Subsurface Conc.	RBC THQ=.1)	Surface UTL	Subsurface UTL *
	508SB005	ND	NS			
	508SB006	ND	NS			
	508SB007	ND	NS			
	508SB008	ND	NS			
	508SB009	ND	NS			
Tin (Sn)	508SB001	1.40	NS	4700.00	2.95	2.37
	508SB002	2.90	NS			
	508SB003	4.30	NS			
	508SB004	1.20	1.20			
	508SB005	1.50	NS			
	508SB006	37.10	NS			
	508SB007	1.90	NS			
	508SB008	3.00	NS			
	508SB009	1.80	NS			
Vanadium (V)	508SB001	5.10	NS	55.00	23.40	56.9
	508SB002	5.60	NS			
	508SB003	10.60	NS			
	508SB004	5.50	0.77			
	508SB005	7.00	NS			
	508SB006	9.00	NS			
	508SB007	6.00	NS			
	508SB008	6.90	NS			
	508SB009	3.00	NS			
Zinc (Zn)	508SB001	19.80	NS	2300.00	159.00	243
	508SB002	83.90	NS			
	508SB003	209.00	NS			
	508SB004	43.30	1.60			
	508SB005	62.20	NS			
	508SB006	251.00	NS			
	508SB007	30.90	NS			
	508SB008	118.00	NS			
	508SB009	29.10	NS			

Notes:
ND: Not Detected
NS: No Sample Taken/Sample Not Analyzed
NA: Not applicable
For compounds detected in both the primary and duplicate sample, the concentration for both detections are averaged and listed as one detection.
For compounds that were detected in only one of the primary or duplicate sample, the value of the detection was used.
* Surface soil samples were used for human health risk assessment for the Zone C report.

Chemicals Detected in Zone C Soil Samples
AOC 510

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
Volatile Organic Compounds (ug/kg)						
Chloroform	510SB003	2.00	ND	100000	NA	NA
Toluene	510SB001	7.00	ND	1600000	NA	NA
	510SB002	3.00	ND			
	510SB005	4.00	ND			
Trichlorofluoromethane	510SB003	22.00	ND	2300000	NA	NA
Semi-volatile Compounds (ug/kg)						
Acenaphthene	510SB005	56.00	ND	470000	NA	NA
Anthracene	510SB005	91.00	ND	2300000	NA	NA
Benzo(a)anthracene	510SB001	160.00	ND	880	NA	NA
	510SB003	60.00	ND			
	510SB005	370.00	ND			
	510SB007	55.00	NS			
Benzo(a)pyrene	510SB001	190.00	ND	88	NA	NA
	510SB005	430.00	ND			
Benzo(b)fluoranthene	510SB001	470.00	ND	880	NA	NA
	510SB005	930.00	ND			
	510SB007	74.00	NS			
Benzo(g,h,i)perylene	510SB001	90.00	ND	310000	NA	NA
	510SB005	150.00	ND			
Benzo(k)fluoranthene	510SB001	480.00	ND	8800	NA	NA
	510SB005	810.00	ND			
	510SB007	77.00	NS			
Chrysene	510SB001	240.00	ND	88000	NA	NA
	510SB003	50.00	ND			
	510SB005	370.00	ND			
	510SB007	43.00	ND			
Di-n-butylphthalate	510SB005	ND	57.00	780000	NA	NA
Fluoranthene	510SB001	280.00	ND	310000	NA	NA
	510SB003	110.00	ND			
	510SB005	990.00	ND			
	510SB007	63.00	NS			
Indeno(1,2,3-cd)pyrene	510SB001	89.00	ND	880	NA	NA
	510SB005	150.00	ND			
Phenanthrene	510SB003	59.00	ND	310000	NA	NA
	510SB005	670.00	ND			
Pyrene	510SB001	170.00	ND	230000	NA	NA
	510SB003	94.00	ND			
	510SB005	600.00	ND			
	510SB007	68.00	NS			
bis(2-Ethylhexyl)phthalate (BEHP)	510SB005	120.00	ND	46000	NA	NA
Chlorinated Pesticides (ug/kg)						
4,4'-DDD	510SB003	7.70	ND	2700	NA	NA
	510SB005	5.10	ND			
4,4'-DDE	510SB001	110.00	4.00	1900	NA	NA
	510SB003	33.00	ND			
	510SB005	24.00	ND			
4,4'-DDT	510SB003	65.00	ND	1900	NA	NA

Chemicals Detected in Zone C Soil Samples
AOC 510

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	510SB005	3.80	ND			
Aldrin	510SB005	2.50	ND	38	NA	NA
Chlordane	510SB001	2.00	ND	490	NA	NA
	510SB005	4.20	ND			
Dieldrin	510SB003	5.50	ND	40	NA	NA
Endosulfan sulfate	510SB001	3.60	ND	47000	NA	NA
Endrin aldehyde	510SB001	2.10	ND	2300	NA	NA
	510SB002	1.20	ND			
	510SB005	2.60	ND			
Heptachlor epoxide	510SB001	2.10	ND	70	NA	NA
Methoxychlor	510SB003	7.50	ND	39000	NA	NA
	510SB005	34.00	ND			
beta-BHC	510SB001	4.10	ND	470	NA	NA
	510SB002	1.90	ND			
	510SB003	2.20	ND			
	510SB005	24.00	ND			
Dioxin/Dibenzofuran (ng/kg)						
1234678-HpCDD	510CB005	NS	10.00	NA	NA	NA
1234678-HpCDF	510CB005	NS	6.23	NA	NA	NA
123478-HxCDF	510CB005	NS	0.54	NA	NA	NA
123789-HxCDF	510CB005	NS	0.49	NA	NA	NA
OCDD	510CB005	NS	67.55	NA	NA	NA
OCDF	510CB005	NS	12.60	NA	NA	NA
Total Hepta-Dioxins	510CB005	NS	17.62	NA	NA	NA
Total Hepta-Furans	510CB005	NS	6.23	NA	NA	NA
Total Hexa-Furans	510CB005	NS	1.36	NA	NA	NA
Herbicides (ug/kg)						
2,4,5-T	510CB005	NS	11.00	780000	NA	NA
Organophosphorus Pesticides (ug/kg)						
Methyl parathion	510CB005	NS	4.90	20000	NA	NA
Parathion	510CB005	NS	5.20	470000	NA	NA
Other Compounds (mg/kg)						
Chloride	510SB005	10.00	10.00	NA	NA	NA
Nitrate-Nitrite-N	510SB005	NS	0.63	NA	NA	NA
Sulfur	510SB005	0.02	0.16	NA	NA	NA
Total phosphorus	510SB005	3.33	6.60	NA	NA	NA
Inorganic Compounds (mg/kg)						
Aluminum (Al)	510SB001	4300.00	1300.00	7800.00	9990.00	23700.00
	510SB002	6570.00	4500.00			
	510SB003	4440.00	2040.00			
	510SB004	4010.00	2590.00			
	510SB005	4070.00	1675.00			
Antimony (Sb)	510SB001	ND	ND	3.10	0.55	0.92
	510SB002	ND	ND			
	510SB003	ND	ND			

Chemicals Detected in Zone C Soil Samples
AOC 510

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	510SB004	ND	ND			
	510SB005	ND	ND			
Arsenic (As)	510SB001	1.70	ND	0.43	14.20	14.10
	510SB002	2.00	ND			
	510SB003	ND	ND			
	510SB004	ND	ND			
	510SB005	0.87	ND			
Barium (Ba)	510SB001	25.20	5.10	550.00	77.20	68.50
	510SB002	32.10	14.10			
	510SB003	23.30	7.40			
	510SB004	11.50	9.80			
	510SB005	17.90	4.60			
Beryllium (Be)	510SB001	ND	ND	0.15	NA	0.98
	510SB002	ND	ND			
	510SB003	ND	ND			
	510SB004	ND	ND			
	510SB005	ND	ND			
Cadmium (Cd)	510SB001	ND	ND	3.90	0.65	0.28
	510SB002	0.06	ND			
	510SB003	0.05	ND			
	510SB004	ND	ND			
	510SB005	ND	ND			
Calcium (Ca)	510SB001	2170.00	215.00	NA	NA	NA
	510SB002	837.00	219.00			
	510SB003	1270.00	149.00			
	510SB004	725.00	178.00			
	510SB005	530.00	45.50			
Chromium (Cr)	510SB001	6.20	1.10	39.00	26.40	12.50
	510SB002	7.30	4.00			
	510SB003	5.20	2.10			
	510SB004	2.40	2.20			
	510SB005	6.00	1.50			
Cobalt (Co)	510SB001	0.70	0.12	470.00	3.22	7.10
	510SB002	0.85	0.48			
	510SB003	0.57	0.27			
	510SB004	0.20	0.27			
	510SB005	0.63	0.14			
Copper (Cu)	510SB001	6.10	ND	310.00	34.70	42.20
	510SB002	6.60	ND			
	510SB003	4.00	ND			
	510SB004	ND	ND			
	510SB005	6.90	0.27			
Iron (Fe)	510SB001	3160.00	1170.00	2300.00	NA	NA
	510SB002	3800.00	3320.00			
	510SB003	4610.00	1790.00			
	510SB004	1840.00	1660.00			
	510SB005	3380.00	1485.00			
Lead (Pb)	510SB001	39.80	2.60	400.00	330.00	73.20
	510SB002	40.10	7.60			
	510SB003	32.60	2.10			

Chemicals Detected in Zone C Soil Samples
AOC 510

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	510SB004	7.70	2.30			
	510SB005	60.20	2.85			
Magnesium (Mg)	510SB001	337.00	96.20	NA	NA	NA
	510SB002	357.00	188.00			
	510SB003	151.00	124.00			
	510SB004	141.00	129.00			
	510SB005	223.00	109.60			
Manganese (Mn)	510SB001	44.20	8.10	180.00	92.50	106.00
	510SB002	49.00	20.90			
	510SB003	24.90	14.00			
	510SB004	17.50	18.40			
	510SB005	56.10	6.10			
Mercury (Hg)	510SB001	0.28	ND	2.30	0.24	0.30
	510SB002	ND	ND			
	510SB003	0.23	ND			
	510SB004	ND	ND			
	510SB005	ND	ND			
Nickel (Ni)	510SB001	1.40	ND	160.00	12.30	16.70
	510SB002	2.00	0.72			
	510SB003	1.40	0.86			
	510SB004	0.85	0.98			
	510SB005	0.69	ND			
Potassium (K)	510SB001	130.00	33.10	NA	NA	NA
	510SB002	176.00	123.00			
	510SB003	77.60	73.60			
	510SB004	67.50	76.70			
	510SB005	88.10	49.70			
Selenium (Se)	510SB001	0.46	ND	39.00	1.44	2.90
	510SB002	0.47	0.62			
	510SB003	ND	ND			
	510SB004	ND	0.48			
	510SB005	ND	ND			
Silver (Ag)	510SB001	ND	ND	39.00	NA	NA
	510SB002	ND	ND			
	510SB003	ND	ND			
	510SB004	ND	ND			
	510SB005	ND	ND			
Sodium (Na)	510SB001	ND	ND	NA	NA	NA
	510SB002	ND	ND			
	510SB003	124.00	126.00			
	510SB004	127.00	127.00			
	510SB005	272.00	ND			
Thallium (Tl)	510SB001	ND	ND	0.63	NA	NA
	510SB002	ND	ND			
	510SB003	ND	ND			
	510SB004	ND	ND			
	510SB005	ND	ND			
Tin (Sn)	510SB001	1.10	ND	4700.00	2.95	2.37
	510SB002	1.50	1.10			
	510SB003	ND	ND			

Chemicals Detected in Zone C Soil Samples
AOC 510

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	510SB004	ND	ND			
	510SB005	1.10	ND			
Vanadium (V)	510SB001	7.90	1.50	55.00	23.40	56.90
	510SB002	8.60	6.30			
	510SB003	9.30	2.90			
	510SB004	2.70	2.90			
	510SB005	6.60	2.45			
Zinc (Zn)	510SB001	44.20	3.30	2300.00	159.00	243.00
	510SB002	71.70	9.10			
	510SB003	55.70	3.90			
	510SB004	5.70	3.20			
	510SB005	67.20	5.30			

Notes:
ND: Not Detected
NS: No Sample Taken/Sample Not Analyzed
NA: Not applicable
For compounds detected in both the primary and duplicate sample, the concentration for both detections are averaged and listed as one detection.
For compounds that were detected in only one of the primary or duplicate sample, the value of the detection was used.
* Surface soil samples were used for human health risk assessment for the Zone C report.

Chemicals Detected in Zones C Soil Samples
AOC 511

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
Volatile Organic Compounds (ug/kg)						
Acetone	511SB005	ND	20.00	780000	NA	NA
Toluene	511SB003	2.00	ND	1600000	NA	NA
	511SB006	4.00	ND			
Semi-volatile Compounds (ug/kg)						
1-Methyl naphthalene	511SB005	100.00	ND	310000	NA	NA
2-Methylnaphthalene	511SB005	120.00	ND	310000	NA	NA
Benzo(a)anthracene	511SB001	75.00	ND	880	NA	NA
	511SB002	49.00	ND			
	511SB005	50.00	ND			
Benzo(a)pyrene	511SB001	69.00	ND	88	NA	NA
	511SB002	48.00	ND			
	511SB005	52.00	ND			
Benzo(b)fluoranthene	511SB001	140.00	ND	880	NA	NA
	511SB002	85.00	ND			
	511SB005	87.00	ND			
Benzo(k)fluoranthene	511SB001	140.00	ND	8800	NA	NA
	511SB002	38.00	ND			
	511SB005	80.00	ND			
Chrysene	511SB001	78.00	ND	88000	NA	NA
	511SB002	64.00	ND			
	511SB003	43.00	ND			
	511SB005	100.00	ND			
Fluoranthene	511SB001	150.00	ND	31000	NA	NA
	511SB002	74.00	ND			
	511SB004	37.00	NS			
	511SB005	48.00	ND			
Naphthalene	511SB005	84.00	ND	310000	NA	NA
Phenanthrene	511SB001	77.00	ND	310000	NA	NA
	511SB002	41.00	ND			
	511SB005	60.00	ND			
Pyrene	511SB001	87.00	ND	230000	NA	NA
	511SB002	48.00	ND			
	511SB005	49.00	ND			
bis(2-Ethylhexyl)phthalate (BEHP)	511SB006	110.00	ND	46000	NA	NA
Chlorinated Pesticides (ug/kg)						
4,4'-DDD	511SB002	16.00	ND	2700	NA	NA
	511SB004	4.30	NS			
	511SB005	13.00	ND			
	511SB006	25.00	ND			
4,4'-DDE	511SB001	170.00	5.00	1900	NA	NA
	511SB002	78.00	4.80			
	511SB004	21.00	NS			
	511SB005	11.00	ND			
	511SB006	140.00	4.60			
4,4'-DDT	511SB001	240.00	5.60	1900	NA	NA
	511SB002	64.00	7.50			
	511SB004	18.00	NS			

Chemicals Detected in Zones C Soil Samples
AOC 511

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	511SB005	27.00	ND			
	511SB006	110.00	ND			
Chlordane	511SB001	12.00	ND	490	NA	NA
	511SB002	11.00	4.20			
	511SB004	11.00	NS			
	511SB005	35.00	ND			
	511SB006	42.00	ND			
Dieldrin	511SB001	21.00	ND	40	NA	NA
	511SB002	200.00	20.00			
	511SB004	1.90	NS			
	511SB006	2.20	ND			
Endosulfan I	511SB005	2.00	ND	47000	NA	NA
Endrin aldehyde	511SB001	1.40	ND	2300	NA	NA
	511SB006	1.60	ND			
Heptachlor epoxide	511SB001	1.80	ND	70	NA	NA
	511SB002	12.00	ND			
	511SB004	4.40	NS			
	511SB005	3.30	ND			
	511SB006	1.20	ND			
Methoxychlor	511SB001	19.00	ND	39000	NA	NA
	511SB002	6.70	ND			
	511SB004	5.10	NS			
beta-BHC	511SB005	1.70	ND	470	NA	NA
gamma-BHC (Lindane)	511SB002	2.60	ND	470	NA	NA
Dioxin/Dibenzofuran (ng/kg)						
1234678-HpCDD	511CB005	3.18	NS	NA	NA	NA
1234678-HpCDF	511CB005	1.73	NS	NA	NA	NA
OCDD	511CB005	22.32	NS	NA	NA	NA
OCDF	511CB005	4.11	NS	NA	NA	NA
Total Hepta-Dioxins	511CB005	3.17	NS	NA	NA	NA
Total Hepta-Furans	511CB005	6.20	NS	NA	NA	NA
Organophosphorus Pesticides (ug/kg)						
Phorate	511CB005	NS	3.70	16000	NA	NA
Other Compounds (mg/kg)						
Chloride	511SB006	20.00	12.00	NA	NA	NA
Nitrate-Nitrite-N	511SB006	0.80	0.71	NA	NA	NA
Sulfur	511SB006	0.14	0.21	NA	NA	NA
Total phosphorus	511SB006	1.78	5.88	NA	NA	NA
Petroleum Hydrocarbons, TPH (mg/kg)						
Petroleum Hydrocarbons, TPH	511SB001	746.00	27.80	100	NA	NA
	511SB002	139.00	37.20			
	511SB003	68.70	22.60			
	511SB004	113.00	NS			
	511SB005	223.00	32.10			
	511SB006	36.30	21.40			
Inorganic Compounds (mg/kg)						
Aluminum (Al)	511SB001	3820.00	3690.00	7800.00	9990.00	23700.00

Chemicals Detected in Zones C Soil Samples
AOC 511

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	511SB002	3640.00	4070.00			
	511SB003	3740.00	4730.00			
	511SB004	3490.00	NS			
	511SB005	3240.00	3785.00			
	511SB006	4330.00	2120.00			
	511SB007	4810.00	NS			
	511SB008	3210.00	NS			
	511SB009	3910.00	NS			
	511SB010	3720.00	NS			
Antimony (Sb)	511SB001	0.20	ND	3.10	0.55	0.92
	511SB007	0.29	NS			
	511SB008	0.61	NS			
	511SB009	0.40	NS			
	511SB010	0.35	NS			
Arsenic (As)	511SB001	4.10	ND	0.43	14.20	14.10
	511SB002	1.20	ND			
	511SB003	ND	0.46			
	511SB004	1.10	NS			
	511SB006	2.40	ND			
	511SB007	ND	NS			
	511SB008	ND	NS			
Barium (Ba)	511SB001	37.60	11.10	550.00	77.20	68.50
	511SB002	41.30	12.00			
	511SB003	15.80	11.90			
	511SB004	12.20	NS			
	511SB005	12.20	7.85			
	511SB006	14.90	2.20			
	511SB007	28.80	NS			
	511SB008	44.00	NS			
	511SB009	21.50	NS			
	511SB010	122.00	NS			
Beryllium (Be)	511SB001	0.14	0.07	0.15	NA	0.98
	511SB002	0.11	0.08			
	511SB003	ND	0.08			
	511SB004	0.08	NS			
	511SB005	ND	0.06			
Cadmium (Cd)	511SB001	0.43	ND	3.90	0.65	0.28
	511SB002	0.21	ND			
	511SB010	0.57	NS			
Calcium (Ca)	511SB001	881.00	223.00	NA	NA	NA
	511SB002	758.00	365.00			
	511SB003	767.00	315.00			
	511SB004	430.00	NS			
	511SB005	535.00	279.50			
	511SB006	765.00	36.10			
	511SB007	1100.00	NS			
	511SB008	1250.00	NS			
	511SB009	1180.00	NS			
	511SB010	464.00	NS			
Chromium (Cr)	511SB001	8.80	4.80	39.00	26.40	12.50

Chemicals Detected in Zones C Soil Samples
AOC 511

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	511SB002	6.00	5.30			
	511SB003	3.60	6.20			
	511SB004	6.10	NS			
	511SB005	4.10	5.25			
	511SB006	4.10	1.40			
	511SB007	6.40	NS			
	511SB008	6.60	NS			
	511SB009	7.00	NS			
	511SB010	11.50	NS			
Cobalt (Co)	511SB001	0.73	0.20	470.00	3.22	7.10
	511SB002	0.57	0.29			
	511SB003	0.21	0.38			
	511SB004	0.34	NS			
	511SB005	0.39	0.24			
	511SB006	0.47	0.07			
	511SB007	0.32	NS			
	511SB008	0.53	NS			
	511SB009	0.55	NS			
	511SB010	0.49	NS			
Copper (Cu)	511SB001	70.70	2.40	310.00	34.70	42.20
	511SB002	12.40	1.50			
	511SB003	3.60	0.69			
	511SB004	3.40	NS			
	511SB005	2.80	0.46			
	511SB006	4.60	ND			
	511SB007	4.90	NS			
	511SB008	35.50	NS			
	511SB009	5.50	NS			
	511SB010	28.90	NS			
Iron (Fe)	511SB001	2470.00	2200.00	2300.00	NA	NA
	511SB002	2590.00	1830.00			
	511SB003	1900.00	2450.00			
	511SB004	3710.00	NS			
	511SB005	2080.00	2490.00			
	511SB006	3610.00	577.00			
	511SB007	2170.00	NS			
	511SB008	3360.00	NS			
	511SB009	3220.00	NS			
	511SB010	2290.00	NS			
Lead (Pb)	511SB001	670.00	10.20	400.00	330.00	73.20
	511SB002	273.00	25.40			
	511SB003	125.00	10.30			
	511SB004	47.00	NS			
	511SB005	29.40	3.60			
	511SB006	40.70	1.40			
	511SB007	48.80	NS			
	511SB008	391.00	NS			
	511SB009	69.80	NS			
	511SB010	481.00	NS			
Magnesium (Mg)	511SB001	307.00	132.00	NA	NA	NA

Chemicals Detected in Zones C Soil Samples
AOC 511

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	511SB002	162.00	130.00			
	511SB003	135.00	188.00			
	511SB004	119.00	NS			
	511SB005	113.00	113.65			
	511SB006	123.00	30.80			
	511SB007	304.00	NS			
	511SB008	307.00	NS			
	511SB009	209.00	NS			
	511SB010	161.00	NS			
Manganese (Mn)	511SB001	39.80	10.60	180.00	92.50	106.00
	511SB002	27.70	7.60			
	511SB003	16.50	6.80			
	511SB004	13.80	NS			
	511SB005	10.00	3.80			
	511SB006	23.30	2.10			
	511SB007	19.60	NS			
	511SB008	41.10	NS			
	511SB009	33.70	NS			
	511SB010	30.70	NS			
Mercury (Hg)	511SB001	0.28	ND	2.30	0.24	0.30
	511SB002	0.18	ND			
	511SB004	0.11	NS			
	511SB006	ND	11.20			
	511SB007	0.20	NS			
	511SB008	0.34	NS			
	511SB010	0.40	NS			
Nickel (Ni)	511SB001	3.10	0.87	160.00	12.30	16.70
	511SB002	1.80	0.95			
	511SB003	1.10	1.20			
	511SB004	1.40	NS			
	511SB005	0.85	0.71			
	511SB006	1.60	0.22			
	511SB007	1.90	NS			
	511SB008	2.40	NS			
	511SB009	2.50	NS			
	511SB010	2.20	NS			
Potassium (K)	511SB001	93.30	83.10	NA	NA	NA
	511SB002	103.00	90.40			
	511SB003	ND	110.00			
	511SB004	101.00	NS			
	511SB005	81.30	91.50			
	511SB006	88.80	ND			
	511SB007	75.10	NS			
	511SB008	135.00	NS			
	511SB009	107.00	NS			
	511SB010	61.70	NS			
Selenium (Se)	511SB002	0.49	ND	39.00	1.44	2.90
	511SB005	ND	0.45			
	511SB008	0.57	NS			
Silver (Ag)	511SB008	0.09	NS	39.00	NA	NA

Chemicals Detected in Zones C Soil Samples
AOC 511

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
Tin (Sn)	511SB001	3.20	1.40	4700.00	2.95	2.37
	511SB002	3.00	1.00			
	511SB003	1.90	1.30			
	511SB004	1.40	NS			
	511SB005	1.80	1.10			
	511SB006	1.40	ND			
	511SB007	1.90	NS			
	511SB008	4.80	NS			
	511SB009	2.40	NS			
	511SB010	4.30	NS			
Vanadium (V)	511SB001	8.00	4.50	55.00	23.40	56.90
	511SB002	5.70	4.20			
	511SB003	3.50	5.60			
	511SB004	10.90	NS			
	511SB005	3.50	5.05			
	511SB006	8.70	1.10			
	511SB007	6.60	NS			
	511SB008	7.10	NS			
	511SB009	7.60	NS			
	511SB010	5.50	NS			
Zinc (Zn)	511SB001	215.00	9.30	2300.00	159.00	243.00
	511SB002	154.00	45.30			
	511SB003	22.10	3.30			
	511SB004	38.10	NS			
	511SB005	22.10	2.45			
	511SB006	39.20	0.99			
	511SB007	57.90	NS			
	511SB008	145.00	NS			
	511SB009	55.40	NS			
	511SB010	229.00	NS			

Notes:
ND: Not Detected
NS: No Sample Taken/Sample Not Analyzed
NA: Not applicable
For compounds detected in both the primary and duplicate sample, the concentration for both detections are averaged and listed as one detection.
For compounds that were detected in only one of the primary or duplicate sample, the value of the detection was used.
* Surface soil samples were used for human health risk assessment for the Zone C report.

Chemicals Detected in Zone C Soil Samples
AOC 512

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
Volatile Organic Compounds (ug/kg)						
Acetone	512SB002	NA	61.00	780000	NA	NA
Semi-volatile Compounds (ug/kg)						
Benzo(a)anthracene	512SB001	110.00	NS	880	NA	NA
	512SB002	45.00	ND			
	512SB003	99.50	NS			
	512SB004	56.00	NS			
	512SB005	94.00	NS			
	512SB006	74.00	NS			
	512SB007	140.00	NS			
Benzo(a)pyrene	512SB001	100.00	NS	88	NA	NA
	512SB002	ND	850.00			
	512SB003	80.50	NS			
	512SB004	63.00	NS			
	512SB005	110.00	NS			
	512SB006	60.00	NS			
	512SB007	120.00	NS			
Benzo(b)fluoranthene	512SB001	250.00	NS	880	NA	NA
	512SB002	110.00	110.00			
	512SB003	200.00	NS			
	512SB004	140.00	NS			
	512SB005	270.00	NS			
	512SB006	150.00	NS			
	512SB007	270.00	NS			
Benzo(g,h,i)perylene	512SB007	66.00	NS	310000	NA	NA
Benzo(k)fluoranthene	512SB001	220.00	NS	8800	NA	NA
	512SB002	95.00	92.00			
	512SB003	185.00	NS			
	512SB004	120.00	NS			
	512SB005	240.00	NS			
	512SB006	130.00	NS			
	512SB007	300.00	NS			
Chrysene	512SB001	100.00	NS	88000	NA	NA
	512SB002	58.00	57.00			
	512SB003	90.00	NS			
	512SB004	67.00	NS			
	512SB005	120.00	NS			
	512SB006	73.00	NS			
	512SB007	170.00	NS			
Fluoranthene	512SB001	200.00	NS	310000	NA	NA
	512SB002	76.00	100.00			
	512SB003	170.00	NS			
	512SB004	110.00	NS			
	512SB005	180.00	NS			
	512SB006	140.00	NS			
	512SB007	240.00	NS			

Chemicals Detected in Zone C Soil Samples
AOC 512

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
Indeno(1,2,3-cd)pyrene	512SB007	60.00	NS	880	NA	NA
Phenanthrene	512SB001	120.00	NS	310000	NA	NA
	512SB002	ND	100.00			
	512SB003	93.50	NS			
	512SB004	49.00	NS			
	512SB005	73.00	NS			
	512SB006	66.00	NS			
	512SB007	110.00	NS			
Pyrene	512SB001	120.00	NS	230000	NA	NA
	512SB002	52.00	64.00			
	512SB003	133.50	NS			
	512SB004	55.00	NS			
	512SB005	100.00	NS			
	512SB006	77.00	NS			
	512SB007	210.00	NS			
Chlorinated Pesticides (ug/kg)						
4,4'-DDD	512SB002	ND	57.00	2700	NA	NA
	512SB003	37.00	NS			
	512SB005	4.10	NS			
4,4'-DDE	512SB001	4.30	NS	1900	NA	NA
	512SB002	11.00	180.00			
	512SB003	165.00	NS			
	512SB005	8.20	NS			
	512SB006	8.90	NS			
4,4'-DDT	512SB001	21.00	NS	1900	NA	NA
	512SB003	61.00	NS			
	512SB005	7.60	NS			
Aldrin	512SB006	1.10	NS	38	NA	NA
Chlordane	512SB002	4.20	ND	490	NA	NA
	512SB006	3.10	NS			
Dieldrin	512SB005	2.00	NS	40	NA	NA
Endosulfan I	512SB002	2.40	ND	47000	NA	NA
Endrin aldehyde	512SB001	13.00	NS	2300	NA	NA
	512SB003	2.90	NS			
	512SB004	1.60	NS			
	512SB005	3.00	NS			
Methoxychlor	512SB005	4.30	NS	39000	NA	NA
beta-BHC	512SB001	8.40	NS	470	NA	NA
	512SB003	1.60	NS			
	512SB004	6.70	NS			
Polychlorinated biphenyls (ug/kg)						
Aroclor-1254	512SB006	60.00	NS	1600	NA	NA
Aroclor-1260	512SB002	ND	220.00	83	NA	NA
Dioxin/Dibenzofuran (ng/kg)						

Chemicals Detected in Zone C Soil Samples
AOC 512

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
1234678-HpCDD	512CB003	22.13	NS	NA	NA	NA
1234678-HpCDF	512CB003	9.49	NS	NA	NA	NA
123478-HxCDF	512CB003	3.13	NS	NA	NA	NA
123678-HxCDF	512CB003	1.13	NS	NA	NA	NA
234678-HxCDF	512CB003	1.24	NS	NA	NA	NA
OCDD	512CB003	186.12	NS	NA	NA	NA
OCDF	512CB003	9.78	NS	NA	NA	NA
Total Hepta-Dioxins	512CB003	66.94	NS	NA	NA	NA
Total Hepta-Furans	512CB003	10.63	NS	NA	NA	NA
Total Hexa-Dioxins	512CB003	12.54	NS	NA	NA	NA
Total Hexa-Furans	512CB003	13.04	NS	NA	NA	NA
Total Penta-Furans	512CB003	8.00	NS	NA	NA	NA
Herbicides (ug/kg)						
2,4,5-T	512CB003	8.50	NS	780000	NA	NA
Organophosphorus Pesticides (ug/kg)						
Methyl parathion	512CB003	4.70	NS	20000	NA	NA
Inorganic Compounds (mg/kg)						
Aluminum (Al)	512SB001	5510.00	NS	7800.00	9990.00	23700.00
	512SB002	7720.00	4600.00			
	512SB003	5250.00	NS			
	512SB004	5510.00	NS			
	512SB005	8060.00	NS			
	512SB006	10600.00	NS			
Antimony (Sb)	512SB001	ND	NS	3.10	0.55	0.92
	512SB002	ND	ND			
	512SB003	ND	NS			
	512SB004	ND	NS			
	512SB005	ND	NS			
	512SB006	ND	NS			
Arsenic (As)	512SB001	4.80	NS	0.43	14.20	14.10
	512SB002	6.70	2.40			
	512SB003	2.50	NS			
	512SB004	3.30	NS			
	512SB005	5.20	NS			
	512SB006	8.20	NS			
Barium (Ba)	512SB001	21.30	NS	550.00	77.20	68.50
	512SB002	40.70	58.80			
	512SB003	18.40	NS			
	512SB004	14.10	NS			
	512SB005	21.20	NS			
	512SB006	25.10	NS			
Beryllium (Be)	512SB001	0.27	NS	0.15	NA	0.98
	512SB002	0.34	ND			
	512SB003	ND	NS			

Chemicals Detected in Zone C Soil Samples
AOC 512

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	512SB004	ND	NS			
	512SB005	0.29	NS			
	512SB006	0.44	NS			
Cadmium (Cd)	512SB001	0.41	NS	3.90	0.65	0.28
	512SB002	0.77	ND			
	512SB003	ND	NS			
	512SB004	0.21	NS			
	512SB005	0.39	NS			
	512SB006	0.64	NS			
Calcium (Ca)	512SB001	112000.00	NS	NA	NA	NA
	512SB002	119000.00	4550.00			
	512SB003	3045.00	NS			
	512SB004	33800.00	NS			
	512SB005	45400.00	NS			
	512SB006	106000.00	NS			
Chromium (Cr)	512SB001	10.90	NS	39.00	26.40	12.50
	512SB002	14.30	8.00			
	512SB003	9.05	NS			
	512SB004	9.30	NS			
	512SB005	16.20	NS			
	512SB006	21.70	NS			
Cobalt (Co)	512SB001	2.60	NS	470.00	3.22	7.10
	512SB002	3.30	0.82			
	512SB003	0.88	NS			
	512SB004	1.40	NS			
	512SB005	2.80	NS			
	512SB006	4.40	NS			
Copper (Cu)	512SB001	15.10	NS	310.00	34.70	42.20
	512SB002	30.80	10.30			
	512SB003	10.70	NS			
	512SB004	13.00	NS			
	512SB005	39.00	NS			
	512SB006	31.70	NS			
Iron (Fe)	512SB001	6180.00	NS	2300.00	NA	NA
	512SB002	10800.00	3240.00			
	512SB003	4895.00	NS			
	512SB004	6590.00	NS			
	512SB005	10900.00	NS			
	512SB006	11800.00	NS			
Lead (Pb)	512SB001	38.40	NS	400.00	330.00	73.20
	512SB002	76.10	37.30			
	512SB003	41.40	NS			
	512SB004	21.70	NS			
	512SB005	39.70	NS			
	512SB006	57.30	NS			
Magnesium (Mg)	512SB001	1960.00	NS	NA	NA	NA
	512SB002	2420.00	397.00			

Chemicals Detected in Zone C Soil Samples
AOC 512

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	512SB003	405.50	NS			
	512SB004	837.00	NS			
	512SB005	1460.00	NS			
	512SB006	2530.00	NS			
Manganese (Mn)	512SB001	226.00	NS	180.00	92.50	106.00
	512SB002	280.00	39.20			
	512SB003	43.55	NS			
	512SB004	90.10	NS			
	512SB005	147.00	NS			
	512SB006	252.00	NS			
Mercury (Hg)	512SB001	0.16	NS	2.30	0.24	0.30
	512SB002	0.35	ND			
	512SB003	0.10	NS			
	512SB004	0.15	NS			
	512SB005	0.15	NS			
	512SB006	0.23	NS			
Nickel (Ni)	512SB001	6.50	NS	160.00	12.30	16.70
	512SB002	7.60	2.20			
	512SB003	2.30	NS			
	512SB004	3.20	NS			
	512SB005	7.90	NS			
	512SB006	9.50	NS			
Potassium (K)	512SB001	726.00	NS	NA	NA	NA
	512SB002	1070.00	242.00			
	512SB003	213.00	NS			
	512SB004	400.00	NS			
	512SB005	816.00	NS			
	512SB006	1350.00	NS			
Selenium (Se)	512SB001	0.80	NS	39.00	1.44	2.90
	512SB002	0.59	ND			
	512SB003	0.68	NS			
	512SB004	1.00	NS			
	512SB005	0.69	NS			
	512SB006	0.75	NS			
Silver (Ag)	512SB001	ND	NS	39.00	NA	NA
	512SB002	ND	ND			
	512SB003	ND	NS			
	512SB004	ND	NS			
	512SB005	ND	NS			
	512SB006	ND	NS			
Sodium (Na)	512SB001	344.00	NS	NA	NA	NA
	512SB002	280.00	251.00			
	512SB003	ND	NS			
	512SB004	ND	NS			
	512SB005	279.00	NS			
	512SB006	268.00	NS			
Thallium (Tl)	512SB001	ND	NS	0.63	NA	NA

Chemicals Detected in Zone C Soil Samples
AOC 512

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	512SB002	ND	ND			
	512SB003	ND	NS			
	512SB004	ND	NS			
	512SB005	ND	NS			
	512SB006	ND	NS			
Tin (Sn)	512SB001	1.70	NS	4700.00	2.95	2.37
	512SB002	1.50	1.70			
	512SB003	1.60	NS			
	512SB004	1.30	NS			
	512SB005	1.80	NS			
	512SB006	1.90	NS			
Vanadium (V)	512SB001	14.30	NS	55.00	23.40	56.90
	512SB002	20.00	9.20			
	512SB003	12.55	NS			
	512SB004	14.30	NS			
	512SB005	18.60	NS			
	512SB006	24.50	NS			
Zinc (Zn)	512SB001	54.30	NS	2300.00	159.00	243.00
	512SB002	124.00	63.20			
	512SB003	38.35	NS			
	512SB004	39.00	NS			
	512SB005	93.70	NS			
	512SB006	108.00	NS			

Notes:
ND: Not Detected
NS: No Sample Taken/Sample Not Analyzed
NA: Not applicable
For compounds detected in both the primary and duplicate sample, the concentration for both detections are averaged and listed as one detection.
For compounds that were detected in only one of the primary or duplicate sample, the value of the detection was used.
* Surface soil samples were used for human health risk assessment for the Zone C report.

Chemicals Detected n Zone C Soil Samples
AOC 513

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
Semi-volatile Compounds (ug/kg)						
Benzo(a)anthracene	513SB003	72.00	ND	880	NA	NA
	513SB006	150.00	ND			
Benzo(a)pyrene	513SB003	67.00	ND	88	NA	NA
Benzo(b)fluoranthene	513SB003	120.00	ND	880	NA	NA
	513SB006	260.00	ND			
Benzo(k)fluoranthene	513SB003	150.00	ND	8800	NA	NA
	513SB006	330.00	ND			
Chrysene	513SB003	74.00	ND	88000	NA	NA
	513SB006	110.00	ND			
Di-n-butylphthalate	513SB001	ND	38.00	780000	NA	NA
	513SB002	50.00	100.00			
	513SB003	39.00	55.00			
	513SB004	50.00	ND			
	513SB005	45.00	73.00			
	513SB006	44.00	ND			
Fluoranthene	513SB003	110.00	ND	310000	NA	NA
	513SB006	100.00	ND			
Phenanthrene	513SB003	43.00	ND	310000	NA	NA
Pyrene	513SB003	96.00	ND	230000	NA	NA
	513SB006	110.00	ND			
4-Bromophenyl-phenylether	513SB003	96.00	ND	450000	NA	NA
Chlorinated Pesticides (ug/kg)						
4,4'-DDD	513SB004	4.40	ND	2700	NA	NA
4,4'-DDE	513SB001	37.00	ND	1900	NA	NA
	513SB003	4.20	ND			
	513SB004	6.70	ND			
	513SB005	8.80	ND			
	513SB006	5.50	ND			
4,4'-DDT	513SB001	20.00	ND	1900	NA	NA
	513SB003	8.30	ND			
	513SB004	14.00	ND			
	513SB005	5.40	ND			
	513SB006	5.40	ND			
Chlordane	513SB001	55.00	ND	490	NA	NA
Dieldrin	513SB001	5.20	ND	40	NA	NA
	513SB004	2.00	ND			
	513SB005	4.30	ND			
Endosulfan I	513SB002	3.70	ND	47000	NA	NA
	513SB003	1.80	ND			
Endosulfan sulfate	513SB001	2.40	ND	47000	NA	NA
	513SB003	3.50	ND			
	513SB004	2.40	ND			
Endrin	513SB002	11.00	ND	2300	NA	NA
	513SB003	4.00	ND			
	513SB004	17.00	ND			
	513SB005	9.30	ND			
	513SB006	8.10	ND			

Chemicals Detected n Zone C Soil Samples
AOC 513

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
Endrin aldehyde	513SB002	2.20	ND	2300	NA	NA
	513SB003	1.30	ND			
	513SB004	1.50	ND			
	513SB006	2.30	ND			
Heptachlor epoxide	513SB002	16.00	ND	70	NA	NA
	513SB004	3.40	ND			
delta-BHC	513SB002	1.60	ND	470	NA	NA
	513SB004	3.20	ND			
	513SB006	1.70	ND			
Dioxin/Dibenzofuran (ng/kg)						
1234678-HpCDD	513SB002	NS	0.34	NA	NA	NA
1234678-HpCDF	513SB002	NS	8.83	NA	NA	NA
123478-HxCDF	513SB002	NS	1.57	NA	NA	NA
1234789-HpCDF	513SB002	NS	0.20	NA	NA	NA
123678-HxCDF	513SB002	NS	0.37	NA	NA	NA
123789-HxCDF	513SB002	NS	0.32	NA	NA	NA
234678-HxCDF	513SB002	NS	0.17	NA	NA	NA
OCDD	513SB002	NS	0.88	NA	NA	NA
OCDF	513SB002	NS	27.68	NA	NA	NA
Total Hepta-Dioxins	513SB002	NS	0.34	NA	NA	NA
Total Hepta-Furans	513SB002	NS	8.83	NA	NA	NA
Total Hexa-Furans	513SB002	NS	1.05	NA	NA	NA
Total Penta-Furans	513SB002	NS	0.32	NA	NA	NA
Organophosphorus Pesticides (ug/kg)						
Disulfoton	513SB002	NS	5.50	3100	NA	NA
Herbicides (ug/kg)						
Dinoseb	513SB002	NS	2.30	78000	NA	NA
Inorganic Compounds (mg/kg)						
Aluminum (Al)	513SB001	4300.00	2920.00	7800.00	9990.00	23700.00
	513SB002	4430.00	3830.00			
	513SB003	4110.00	3900.00			
	513SB004	3970.00	2320.00			
	513SB005	4110.00	2720.00			
	513SB006	4510.00	3670.00			
Antimony (Sb)	513SB002	0.27	ND	3.10	0.55	0.92
	513SB003	0.22	ND			
	513SB006	0.41	ND			
Arsenic (As)	513SB001	0.47	ND	0.43	14.20	14.10
	513SB002	1.50	ND			
	513SB003	0.63	ND			
	513SB004	0.50	ND			
	513SB005	0.62	ND			
	513SB006	0.60	ND			
Barium (Ba)	513SB001	18.10	8.10	550.00	77.20	68.50
	513SB002	19.10	15.95			
	513SB003	19.10	11.70			

Chemicals Detected n Zone C Soil Samples
AOC 513

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	513SB004	9.80	2.70			
	513SB005	13.00	10.90			
	513SB006	13.90	11.50			
Calcium (Ca)	513SB001	667.00	118.00	NA	NA	NA
	513SB002	301.00	78.00			
	513SB003	1480.00	106.00			
	513SB004	224.00	80.20			
	513SB005	330.00	70.60			
	513SB006	498.00	233.00			
Chromium (Cr)	513SB001	4.40	3.60	39.00	26.40	12.50
	513SB002	4.40	4.95			
	513SB003	4.30	4.20			
	513SB004	4.40	3.50			
	513SB005	4.40	3.70			
	513SB006	5.10	5.10			
Cobalt (Co)	513SB001	0.34	0.47	470.00	3.22	7.10
	513SB002	0.34	0.56			
	513SB003	0.31	0.46			
	513SB004	0.39	0.47			
	513SB005	0.33	0.54			
	513SB006	0.31	ND			
Copper (Cu)	513SB001	4.40	0.86	310.00	34.70	42.20
	513SB002	2.30	0.98			
	513SB003	4.70	0.75			
	513SB004	1.20	0.34			
	513SB005	1.70	0.66			
	513SB006	2.30	1.20			
Iron (Fe)	513SB001	2270.00	1850.00	2300.00	NA	NA
	513SB002	2590.00	3210.00			
	513SB003	2510.00	2830.00			
	513SB004	2330.00	1100.00			
	513SB005	2520.00	2640.00			
	513SB006	2430.00	2860.00			
Lead (Pb)	513SB001	22.70	3.60	400.00	330.00	73.20
	513SB002	21.50	2.85			
	513SB003	64.70	2.40			
	513SB004	120.00	1.60			
	513SB005	13.20	1.90			
	513SB006	46.60	4.00			
Magnesium (Mg)	513SB001	164.00	130.00	NA	NA	NA
	513SB002	146.00	225.50			
	513SB003	125.00	163.00			
	513SB004	136.00	103.00			
	513SB005	134.00	160.00			
	513SB006	129.00	219.00			
Manganese (Mn)	513SB001	20.90	14.50	180.00	92.50	106.00
	513SB002	33.50	23.70			
	513SB003	32.50	15.60			
	513SB004	15.10	3.50			
	513SB005	24.00	15.40			

Chemicals Detected n Zone C Soil Samples
AOC 513

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	513SB006	21.70	14.10			
Nickel (Ni)	513SB001	1.20	1.00	160.00	12.30	16.70
	513SB002	1.20	1.50			
	513SB003	1.10	1.30			
	513SB004	1.30	0.91			
	513SB005	1.40	1.20			
	513SB006	1.30	1.40			
Potassium (K)	513SB001	79.40	67.60	NA	NA	NA
	513SB002	81.00	101.60			
	513SB003	51.10	65.50			
	513SB004	64.60	55.90			
	513SB005	68.00	69.40			
	513SB006	63.10	105.00			
Selenium (Se)	513SB001	0.73	ND	39.00	1.44	2.90
	513SB002	0.91	0.57			
	513SB003	0.93	0.57			
	513SB004	0.71	0.50			
	513SB005	0.51	0.59			
Tin (Sn)	513SB001	1.80	1.40	4700.00	NA	2.37
	513SB002	1.40	1.06			
	513SB003	1.60	1.70			
	513SB004	1.00	1.40			
	513SB005	1.60	1.70			
	513SB006	2.00	0.90			
Vanadium (V)	513SB001	4.10	2.50	55.00	23.40	56.90
	513SB002	3.40	5.00			
	513SB003	3.30	3.60			
	513SB004	3.40	1.70			
	513SB005	3.10	3.50			
	513SB006	4.00	4.70			
Zinc (Zn)	513SB001	26.90	4.90	2300.00	159.00	243.00
	513SB002	11.00	4.80			
	513SB003	42.60	4.10			
	513SB004	8.90	1.90			
	513SB005	8.00	3.70			
	513SB006	13.00	5.60			

Notes:
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NS: No Sample Taken/Sample Not Analyzed
NA: Not applicable
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* Surface soil samples were used for human health risk assessment for the Zone C report.

Chemicals Detected in Zone C Soil Samples
AOC 515

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
Volatile Organic Compounds (ug/kg)						
Vinyl acetate	515SB001	1.00	ND	7800000	NA	NA
Semi-volatile Compounds (ug/kg)						
Anthracene	515SB003	55.00	ND	2300000	NA	NA
Benzo(a)anthracene	515SB001	110.00	ND	880	NA	NA
	515SB002	43.00	ND			
	515SB003	200.00	ND			
	515SB005	78.00	ND			
	515SB006	42.00	ND			
	515SB008	75.00	NS			
Benzo(a)pyrene	515SB003	190.00	ND	88	NA	NA
	515SB005	78.00	ND			
	515SB008	39.00	NS			
Benzo(b)fluoranthene	515SB001	230.00	ND	880	NA	NA
	515SB003	310.00	ND			
	515SB005	140.00	ND			
	515SB006	110.00	ND			
	515SB008	130.00	NS			
Benzo(k)fluoranthene	515SB001	240.00	ND	8800	NA	NA
	515SB003	440.00	ND			
	515SB005	190.00	ND			
	515SB006	160.00	ND			
	515SB008	130.00	NS			
Chrysene	515SB001	160.00	ND	88000	NA	NA
	515SB002	49.00	ND			
	515SB003	220.00	ND			
	515SB005	92.00	ND			
	515SB006	55.00	ND			
	515SB008	71.00	NS			
Fluoranthene	515SB001	190.00	ND	310000	NA	NA
	515SB002	52.00	ND			
	515SB003	450.00	ND			
	515SB005	120.00	ND			
	515SB006	100.00	ND			
	515SB008	71.00	NS			
Phenanthrene	515SB001	81.00	ND	310000	NA	NA
	515SB003	290.00	ND			
	515SB005	63.00	ND			
	515SB008	49.00	NS			
Pyrene	515SB001	190.00	ND	230000	NA	NA
	515SB002	50.00	ND			
	515SB003	390.00	ND			
	515SB005	100.00	ND			
	515SB006	88.00	ND			
	515SB008	70.00	NS			
Chlorinated Pesticides (ug/kg)						
4,4'-DDD	515SB001	11.00	0.30	2700	NA	NA
	515SB002	5.10	0.26			

Chemicals Detected in Zone C Soil Samples
AOC 515

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	515SB003	2.80	0.40			
	515SB004	2.40	0.24			
	515SB005	0.69	ND			
	515SB006	6.90	0.24			
4,4'-DDE	515SB001	190.00	2:30	1900	NA	NA
	515SB002	60.00	1.50			
	515SB003	16.00	ND			
	515SB004	38.00	1.10			
	515SB005	20.00	1.40			
	515SB006	38.00	1.10			
4,4'-DDT	515SB001	150.00	0.42	1900	NA	NA
	515SB002	42.00	0.52			
	515SB003	11.00	0.76			
	515SB004	17.00	ND			
	515SB005	12.00	0.92			
	515SB006	33.00	ND			
Aldrin	515SB001	0.31	0.04	38	NA	NA
	515SB003	ND	0.14			
	515SB004	0.17	ND			
	515SB005	0.11	ND			
	515SB006	0.50	ND			
Dieldrin	515SB003	0.77	ND	40	NA	NA
	515SB006	3.40	0.84			
Endosulfan I	515SB001	1.20	ND	47000	NA	NA
	515SB002	ND	1.30			
	515SB003	0.81	0.10			
	515SB004	0.59	0.62			
	515SB005	0.14	ND			
	515SB006	0.93	ND			
Endosulfan sulfate	515SB004	ND	0.48	47000	NA	NA
	515SB006	1.60	ND			
Endrin	515SB001	1.60	ND	2300	NA	NA
	515SB001	0.29	ND			
	515SB002	2.60	0.70			
	515SB003	0.24	0.64			
	515SB004	0.25	0.34			
	515SB005	0.16	ND			
	515SB006	ND	0.61			
Endrin aldehyde	515SB001	3.20	ND	2300	NA	NA
	515SB003	1.50	0.30			
	515SB004	0.14	ND			
	515SB006	3.30	ND			
Heptachlor	515SB001	3.00	0.08	140	NA	NA
	515SB003	1.10	ND			
	515SB004	1.80	ND			
	515SB005	0.80	ND			
	515SB006	2.00	ND			
Heptachlor epoxide	515SB001	0.25	ND	70	NA	NA
	515SB003	0.18	ND			
	515SB004	2.00	ND			

Chemicals Detected in Zone C Soil Samples
AOC 515

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	515SB005	0.37	0.34			
	515SB006	0.65	ND			
Methoxychlor	515SB002	6.90	ND	39000	NA	NA
	515SB004	ND	0.90			
alpha-BHC	515SB003	0.09	ND	470	NA	NA
beta-BHC	515SB003	1.90	ND	470	NA	NA
	515SB005	0.65	0.32			
	515SB006	1.10	ND			
delta-BHC	515SB005	0.17	ND	470	NA	NA
gamma-BHC (Lindane)	515SB003	0.09	ND	470	NA	NA
Dioxin/Dibenzofuran (ng/kg)						
1234678-HpCDD	515CB006	NS	0.49	NA	NA	NA
1234678-HpCDF	515CB006	NS	0.87	NA	NA	NA
123789-HxCDF	515CB006	NS	0.54	NA	NA	NA
OCDD	515CB006	NS	2.05	NA	NA	NA
OCDF	515CB006	NS	1.59	NA	NA	NA
Total Hepta-Dioxins	515CB006	NS	0.49	NA	NA	NA
Total Hepta-Furans	515CB006	NS	0.87	NA	NA	NA
Total Hexa-Furans	515CB006	NS	0.54	NA	NA	NA
Herbicides (ug/kg)						
2,4,5-TP (Silvex)	515CB006	NS	1.70	630000	NA	NA
Organophosphorus Pesticides (ug/kg)						
Disulfoton	515CB006	NS	1.60	3100	NA	NA
Methyl parathion	515CB006	NS	4.20	20000	NA	NA
Parathion	515CB006	NS	8.60	470000	NA	NA
Sulfotep	515CB006	NS	2.60	NA	NA	NA
Other Compounds (mg/kg)						
Chloride	515SB003	10.00	10.00	NA	NA	NA
Nitrate-Nitrite-N	515SB003	4.28	1.40	NA	NA	NA
Sulfur	515SB003	0.11	0.05	NA	NA	NA
Total phosphorus	515SB003	3.43	3.48	NA	NA	NA
Petroleum Hydrocarbons, TPH (mg/kg)						
Petroleum Hydrocarbons, TPH	515SB001	53.00	22.00	100	NA	NA
	515SB002	61.40	67.60			
	515SB003	84.70	23.10			
	515SB004	27.20	12.40			
	515SB005	57.20	57.20			
	515SB006	13.90	13.90			
Inorganic Compounds (mg/kg)						
Aluminum (Al)	515SB001	2940.00	3530.00	7800.00	9990.00	23700.00
	515SB002	4650.00	2230.00			
	515SB003	4250.00	3160.00			
	515SB004	3590.00	2780.00			
	515SB005	3840.00	2500.00			

Chemicals Detected in Zone C Soil Samples
AOC 515

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	515SB006	3580.00	2300.00			
Antimony (Sb)	515SB001	1.50	ND	3.10	0.55	0.92
	515SB002	1.70	ND			
	515SB003	0.47	ND			
	515SB005	0.61	ND			
	515SB006	0.51	ND			
Arsenic (As)	515SB001	12.50	ND	0.43	14.20	14.10
	515SB002	5.50	ND			
	515SB003	2.60	0.40			
	515SB004	1.60	ND			
	515SB005	1.90	ND			
	515SB006	3.00	ND			
Barium (Ba)	515SB001	69.80	18.00	550.00	77.20	68.50
	515SB002	92.90	9.20			
	515SB003	102.00	15.00			
	515SB004	31.30	10.00			
	515SB005	84.30	10.60			
	515SB006	48.80	9.05			
Beryllium (Be)	515SB001	0.46	ND	0.15	NA	0.98
	515SB006	0.39	ND			
Cadmium (Cd)	515SB002	0.33	ND	3.90	0.65	0.28
Calcium (Ca)	515SB001	7500.00	903.00	NA	NA	NA
	515SB002	6970.00	961.00			
	515SB003	7290.00	667.00			
	515SB004	7100.00	316.00			
	515SB005	6610.00	1040.00			
	515SB006	15900.00	1445.00			
Chromium (Cr)	515SB001	12.30	4.10	39.00	26.40	12.50
	515SB002	11.50	3.30			
	515SB003	7.20	4.20			
	515SB004	3.80	3.50			
	515SB005	7.20	3.40			
	515SB006	10.80	3.55			
Cobalt (Co)	515SB001	6.00	0.57	470.00	3.22	7.10
	515SB002	3.90	0.44			
	515SB003	0.87	0.54			
	515SB004	0.60	0.50			
	515SB005	1.10	0.44			
	515SB006	3.70	0.42			
Copper (Cu)	515SB001	117.00	2.90	310.00	34.70	42.20
	515SB002	92.70	1.30			
	515SB003	37.20	2.20			
	515SB004	5.10	0.88			
	515SB005	44.70	1.30			
	515SB006	87.50	1.60			
Iron (Fe)	515SB001	6390.00	2240.00	2300.00	NA	NA
	515SB002	11900.00	1800.00			
	515SB003	3970.00	2720.00			
	515SB004	2530.00	2260.00			
	515SB005	5800.00	2170.00			

Chemicals Detected in Zone C Soil Samples
AOC 515

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	515SB006	4340.00	2190.00			
Lead (Pb)	515SB001	324.00	5.20	400.00	330.00	73.20
	515SB002	339.00	3.80			
	515SB003	334.00	11.40			
	515SB004	27.70	2.10			
	515SB005	522.00	3.50			
	515SB006	180.00	4.80			
Magnesium (Mg)	515SB001	374.00	198.00	NA	NA	NA
	515SB002	454.00	ND			
	515SB003	329.00	221.00			
	515SB004	224.00	181.00			
	515SB005	288.00	168.00			
	515SB006	404.00	233.00			
Manganese (Mn)	515SB001	46.30	22.90	180.00	92.50	106.00
	515SB002	117.00	16.20			
	515SB003	64.50	25.80			
	515SB004	33.30	20.70			
	515SB005	68.20	18.30			
	515SB006	60.20	20.75			
Mercury (Hg)	515SB001	0.15	ND	2.30	0.24	0.30
	515SB002	0.15	ND			
	515SB003	0.21	ND			
	515SB005	0.17	ND			
	515SB006	0.16	ND			
Nickel (Ni)	515SB001	14.40	1.70	160.00	12.30	16.70
	515SB002	8.50	0.88			
	515SB003	3.40	1.60			
	515SB004	1.90	1.20			
	515SB005	3.30	1.00			
	515SB006	11.90	1.05			
Potassium (K)	515SB001	189.00	76.60	NA	NA	NA
	515SB002	212.00	78.60			
	515SB003	148.00	99.90			
	515SB004	110.00	76.60			
	515SB005	190.00	86.40			
	515SB006	168.00	100.45			
Selenium (Se)	515SB001	0.66	0.53	39.00	1.44	2.90
	515SB002	0.87	ND			
	515SB003	0.63	0.58			
	515SB005	0.54	ND			
	515SB006	0.70	ND			
Sodium (Na)	515SB002	266.00	ND	NA	NA	NA
	515SB005	460.00	ND			
Tin (Sn)	515SB001	34.00	1.50	4700.00	2.95	2.37
	515SB002	148.00	1.10			
	515SB003	39.30	2.40			
	515SB004	1.40	0.97			
	515SB005	46.80	1.20			
	515SB006	20.60	1.90			
Vanadium (V)	515SB001	8.30	2.60	55.00	23.40	56.90

Chemicals Detected in Zone C Soil Samples
AOC 515

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	515SB002	5.70	2.20			
	515SB003	6.10	3.30			
	515SB004	3.20	2.40			
	515SB005	5.10	2.50			
	515SB006	7.90	2.95			
Zinc (Zn)	515SB001	371.00	9.90	2300.00	159.00	243.00
	515SB002	410.00	4.30			
	515SB003	286.00	11.20			
	515SB004	32.40	4.00			
	515SB005	361.00	4.90			
	515SB006	313.00	5.85			

Notes:
ND: Not Detected
NS: No Sample Taken/Sample Not Analyzed
NA: Not applicable
For compounds detected in both the primary and duplicate sample, the concentration for both detections are averaged and listed as one detection.
For compounds that were detected in only one of the primary or duplicate sample, the value of the detection was used.
* Surface soil samples were used for human health risk assessment for the Zone C report.

Chemicals Detected in Zone C Soil Samples
AOC 516

Name	ID	Surface Conc.	Subsurface Conc.	RBC THQ=.1)	Surface UTL	Subsurface UTL *
Volatile Organic Compounds (ug/kg)						
Acetone	516SB001	76.00	17.00	780000	NA	NA
	516SB002	11.00	16.00			
Semi-volatile Compounds (ug/kg)						
Benzo(a)anthracene	516SB001	82.00	ND	880	NA	NA
Benzo(a)pyrene	516SB001	110.00	ND	88	NA	NA
Benzo(b)fluoranthene	516SB001	220.00	ND	880	NA	NA
Benzo(k)fluoranthene	516SB001	240.00	ND	8800	NA	NA
Chrysene	516SB001	100.00	ND	88000	NA	NA
Fluoranthene	516SB001	110.00	ND	310000	NA	NA
Phenanthrene	516SB001	50.00	ND	310000	NA	NA
Pyrene	516SB001	120.00	ND	230000	NA	NA
Chlorinated Pesticides (ug/kg)						
beta-BHC	516SB001	5.30	ND	470	NA	NA
Petroleum Hydrocarbons, TPH (mg/kg)						
Petroleum Hydrocarbons, TPH	516SB001	102.00	13.60	100	NA	NA
	516SB002	17.80	19.80			
Inorganic Compounds (mg/kg)						
Aluminum (Al)	516SB001	8260.00	4130.00	7800.00	9990.00	23700.00
	516SB002	7850.00	4230.00			
Antimony (Sb)	516SB001	0.46	ND	3.10	0.55	0.92
	516SB002	ND	ND			
Arsenic (As)	516SB001	4.20	ND	0.43	14.20	14.10
	516SB002	ND	ND			
Barium (Ba)	516SB001	31.80	14.90	550.00	77.20	68.50
	516SB002	22.70	15.40			
Calcium (Ca)	516SB001	5980.00	494.00	NA	NA	NA
	516SB002	898.00	527.00			
Chromium (Cr)	516SB001	12.90	5.90	39.00	26.40	12.50
	516SB002	6.80	6.00			
Cobalt (Co)	516SB001	2.00	0.66	470.00	3.22	7.10
	516SB002	0.76	0.81			
Copper (Cu)	516SB001	12.20	1.40	310.00	34.70	42.20
	516SB002	2.00	1.50			
Iron (Fe)	516SB001	6160.00	2570.00	2300.00	NA	NA
	516SB002	3030.00	2720.00			
Lead (Pb)	516SB001	29.60	2.80	400.00	330.00	73.20
	516SB002	3.90	3.90			
Magnesium (Mg)	516SB001	738.00	329.00	NA	NA	NA
	516SB002	396.00	363.00			
Manganese (Mn)	516SB001	133.00	15.80	180.00	92.50	106.00
	516SB002	37.90	57.40			
Nickel (Ni)	516SB001	5.30	1.80	160.00	12.30	16.70
	516SB002	2.80	1.80			
Potassium (K)	516SB001	398.00	188.00	NA	NA	NA
	516SB002	188.00	203.00			

Chemicals Detected in Zone C Soil Samples
AOC 516

Name	ID	Surface Conc.	Subsurface Conc.	RBC THQ=.1)	Surface UTL	Subsurface UTL *
Selenium (Se)	**516SB001**	**0.50**	**ND**	**39.00**	**1.44**	**2.90**
Tin (Sn)	516SB001	1.60	1.10	4700.00	2.95	2.37
	516SB002	ND	0.84			
Vanadium (V)	516SB001	14.30	5.10	55.00	23.40	56.90
	516SB002	5.50	5.40			
Zinc (Zn)	516SB001	64.20	7.10	2300.00	159.00	243.00
	516SB002	8.10	23.60			

Notes:
ND: Not Detected
NS: No Sample Taken/Sample Not Analyzed
NA: Not applicable
For compounds detected in both the primary and duplicate sample, the concentration for both detections are averaged and listed as one detection.
For compounds that were detected in only one of the primary or duplicate sample, the value of the detection was used.
* Surface soil samples were used for human health risk assessment for the Zone C report.

Chemicals Detected in Zone C Soil Samples
AOC 517

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
Volatile Organic Compounds (ug/kg)						
Acetone	517SB005	28.00	ND	780000	NA	NA
Semi-volatile Compounds (ug/kg)						
Butylbenzylphthalate	517SB002	720.00	180.00	1600000	NA	NA
Di-n-butylphthalate	517SB001	49.00	39.00	780000	NA	NA
	517SB002	57.00	57.50			
	517SB003	69.00	110.00			
	517SB004	65.00	110.00			
	517SB005	89.00	74.00			
bis(2-Ethylhexyl)phthalate (BEHP)	517SB002	540.00	133.50	46000	NA	NA
	517SB003	74.00	ND			
Chlorinated Pesticides (ug/kg)						
4,4'-DDE	517SB001	9.80	ND	1900	NA	NA
	517SB002	7.60	ND			
	517SB003	5.20	ND			
Endosulfan I	517SB004	2.20	ND	47000	NA	NA
Endosulfan sulfate	517SB001	2.60	ND	47000	NA	NA
	517SB002	3.00	ND			
	517SB003	3.20	ND			
Endrin aldehyde	517SB001	1.20	ND	2300	NA	NA
	517SB002	1.60	ND			
Polychlorinated biphenyls (ug/kg)						
Aroclor-1260	517SB002	79.00	ND	83	NA	NA
Dioxin/Dibenzofuran (ng/kg)						
1234678-HpCDD	517CB002	NS	7.31	NA	NA	NA
1234678-HpCDF	517CB002	NS	7.63	NA	NA	NA
123478-HxCDF	517CB002	NS	0.36	NA	NA	NA
123678-HxCDF	517CB002	NS	0.54	NA	NA	NA
123789-HxCDF	517CB002	NS	0.45	NA	NA	NA
234678-HxCDF	517CB002	NS	0.26	NA	NA	NA
OCDD	517CB002	NS	92.45	NA	NA	NA
OCDF	517CB002	NS	14.37	NA	NA	NA
Total Hepta-Dioxins	517CB002	NS	14.03	NA	NA	NA
Total Hepta-Furans	517CB002	NS	7.63	NA	NA	NA
Total Hexa-Furans	517CB002	NS	2.14	NA	NA	NA
Herbicides (ug/kg)						
2,4-D	517CB002	NS	23.00	780000	NA	NA
Inorganic Compounds (mg/kg)						
Aluminum (Al)	517SB001	5740.00	5880.00	7800.00	9990.00	23700
	517SB002	3450.00	4425.00			
	517SB003	5560.00	5420.00			
	517SB004	6620.00	4150.00			
	517SB005	6280.00	5120.00			
Antimony (Sb)	517SB001	0.41	ND	3.10	0.55	92

Chemicals Detected in Zone C Soil Samples
AOC 517

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	517SB002	0.55	ND			
	517SB003	0.44	ND			
Arsenic (As)	517SB001	1.90	ND	0.43	14.20	14.1
	517SB002	1.30	0.39			
	517SB003	1.30	ND			
	517SB004	0.59	0.38			
	517SB005	1.20	ND			
Barium (Ba)	517SB001	18.60	3.50	550.00	77.20	68.5
	517SB002	15.90	14.35			
	517SB003	16.80	15.50			
	517SB004	14.60	9.20			
	517SB005	10.60	3.40			
Calcium (Ca)	517SB001	1270.00	460.00	NA	NA	NA
	517SB002	8210.00	13970.00			
	517SB003	9770.00	3170.00			
	517SB004	185.00	ND			
	517SB005	434.00	49.30			
Chromium (Cr)	517SB001	10.10	5.60	39.00	26.40	13
	517SB002	5.90	4.75			
	517SB003	5.50	5.40			
	517SB004	5.30	4.70			
	517SB005	5.90	5.50			
Cobalt (Co)	517SB001	1.60	0.48	470.00	3.22	7.1
	517SB002	0.62	0.60			
	517SB003	0.61	0.72			
	517SB004	0.57	0.56			
	517SB005	0.54	0.42			
Copper (Cu)	517SB001	19.40	ND	310.00	34.70	42
	517SB002	6.70	2.10			
	517SB003	3.50	1.30			
	517SB004	1.60	1.10			
	517SB005	2.00	ND			
Iron (Fe)	517SB001	3040.00	727.00	2300.00	NA	NA
	517SB002	1760.00	1900.00			
	517SB003	2670.00	2640.00			
	517SB004	2480.00	2000.00			
	517SB005	2130.00	774.00			
Lead (Pb)	517SB001	52.20	3.60	400.00	330.00	73.2
	517SB002	125.00	17.45			
	517SB003	194.00	8.80			
	517SB004	7.30	3.80			
	517SB005	8.40	2.50			
Magnesium (Mg)	517SB001	275.00	119.00	NA	NA	NA
	517SB002	271.00	324.50			
	517SB003	320.00	341.00			
	517SB004	247.00	176.00			
	517SB005	250.00	116.00			
Manganese (Mn)	517SB001	27.30	4.20	180.00	92.50	106
	517SB002	19.90	22.40			
	517SB003	21.90	18.60			

Chemicals Detected in Zone C Soil Samples
AOC 517

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	517SB004	17.60	14.30			
	517SB005	15.30	5.80			
Mercury (Hg)	517SB005	0.16	ND	2.30	0.24	0.3
Nickel (Ni)	517SB001	4.80	ND	160.00	12.30	17
	517SB002	3.10	1.90			
	517SB003	2.50	2.10			
	517SB004	2.30	ND			
	517SB005	2.40	ND			
Potassium (K)	517SB001	145.00	73.90	NA	NA	NA
	517SB002	172.00	151.00			
	517SB003	154.00	186.00			
	517SB004	119.00	102.00			
	517SB005	104.00	72.90			
Selenium (Se)	517SB004	0.58	ND	39.00	1.44	2.9
Tin (Sn)	517SB001	3.30	1.40	4700.00	2.95	2.37
	517SB002	1.80	1.30			
	517SB003	2.70	0.83			
	517SB004	0.80	1.30			
	517SB005	0.79	1.20			
Vanadium (V)	517SB001	6.90	1.40	55.00	23.40	56.9
	517SB002	4.70	3.35			
	517SB003	5.20	4.90			
	517SB004	4.40	3.40			
	517SB005	4.60	1.50			
Zinc (Zn)	517SB001	106.00	3.40	2300.00	159.00	243
	517SB002	59.40	16.80			
	517SB003	39.10	11.20			
	517SB004	9.50	5.80			
	517SB005	20.10	2.80			

Notes:
ND: Not Detected
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NA: Not applicable
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Chemicals Detected in Zone C Soil Samples
AOC 518

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
Volatile Organic Compounds (ug/kg)						
Acetone	518SB001	34.00	15.00	780000	NA	NA
	518SB002	ND	38.00			
	518SB004	ND	48.00			
	518SB005	24.00	10:00			
Methylene chloride	518SB004	12.00	ND	85000	NA	NA
Toluene	518SB002	1.00	ND	16000000	NA	NA
	518SB003	3.00	ND			
	518SB004	1.00	ND			
	518SB005	3.00	ND			
Semi-volatile Compounds (ug/kg)						
Anthracene	518SB003	39.00	ND	230000	NA	NA
Benzo(a)anthracene	518SB002	140.00	ND	880	NA	NA
	518SB003	80.00	ND			
Benzo(a)pyrene	518SB002	150.00	ND	88	NA	NA
	518SB003	69.00	ND			
Benzo(b)fluoranthene	518SB002	270.00	ND	880	NA	NA
	518SB003	200.00	ND			
Benzo(k)fluoranthene	518SB002	290.00	ND	8800	NA	NA
	518SB003	210.00	ND			
Butylbenzylphthalate	518SB003	100.00	ND	16000	NA	NA
Chrysene	518SB002	150.00	ND	88000	NA	NA
	518SB003	180.00	ND			
Di-n-butylphthalate	518SB003	860.00	ND	780000	NA	NA
	518SB004	40.00	ND			
	518SB005	ND	40.00			
Di-n-octyl phthalate	518SB002	70.00	ND	1600000	NA	NA
Diethylphthalate	518SB003	140.00	ND	6300000	NA	NA
Diphenylamine	518SB003	130.00	ND	2000000	NA	NA
Fluoranthene	518SB002	270.00	ND	310000	NA	NA
	518SB003	240.00	ND			
	518SB006	41.00	NS			
Fluorene	518SB003	40.00	ND	310000	NA	NA
N-Nitrosodiphenylamine	518SB003	130.00	ND	130000	NA	NA
Phenanthrene	518SB002	84.00	ND	310000	NA	NA
	518SB003	240.00	ND			
Pyrene	518SB006	43.00	NS	230000	NA	NA
	518SB002	240.00	ND			
	518SB003	430.00	ND			
bis(2-Ethylhexyl)phthalate (BEHP)	518SB002	490.00	ND	46000	NA	NA
	518SB003	910.00	ND			
Chlorinated Pesticides (ug/kg)						
4,4'-DDD	518SB001	58.00	ND	2700	NA	NA
	518SB002	3.80	ND			
	518SB003	14.00	ND			
4,4'-DDE	518SB002	50.00	ND	1900	NA	NA
	518SB003	180.00	6.70			
	518SB005	3.90	ND			

Chemicals Detected in Zone C Soil Samples
AOC 518

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	518SB006	6.70	NS			
4,4'-DDT	518SB002	52.00	ND	1900	NA	NA
	518SB004	12.00	ND			
	518SB006	8.60	NS			
	518SB003	130.00	ND			
	518SB006	11.00	NS			
Chlordane	518SB001	7400.00	1800.00	490	NA	NA
	518SB004	48.00	ND			
	518SB006	62.50	NS			
Dieldrin	518SB006	3.50	NS	40	NA	NA
Endosulfan II	518SB006	3.40	NS	47000	NA	NA
Endosulfan sulfate	518SB003	2.90	ND	47000	NA	NA
	518SB006	6.70	NS			
	518SB007	1.90	NS			
Endrin	518SB006	10.05	NS	2300	NA	NA
Endrin aldehyde	518SB003	1.50	ND	2300	NA	NA
	518SB004	1.60	ND			
	518SB006	2.10	NS			
Heptachlor	518SB001	69.00	ND	140	NA	NA
	518SB004	8.00	ND			
	518SB006	3.19	NS			
Heptachlor epoxide	518SB006	0.97	NS	70	NA	NA
Methoxychlor	518SB006	32.00	NS	39000	NA	NA
beta-BHC	518SB004	1.50	ND	470	NA	NA
	518SB006	2.50	NS			
	518SB007	3.90	NS			
delta-BHC	518SB006	0.77	NS	470	NA	NA
	518SB007	7.40	NS			
gamma-BHC (Lindane)	518SB004	3.90	ND	470	NA	NA
Organophosphorus Pesticides (ug/kg)						
Dinoseb	518SB004	20.00	NS	78000	NA	NA
Disulfoton	518SB004	5.30	NS	3100	NA	NA
Dioxin/Dibenzofuran (ng/kg)						
1234678-HpCDD	518SB004	30.49	NS	NA	NA	NA
	518SB004	40.35	NS			
	518SB006	89.63	NS			
1234678-HpCDF	518SB004	20.84	NS	NA	NA	NA
	518SB004	21.44	NS			
	518SB006	2179.65	NS			
123478-HxCDF	518SB004	2.83	NS	NA	NA	NA
	518SB006	110.84	NS			
1234789-HpCDF	518SB004	0.65	NS	NA	NA	NA
	518SB006	49.73	NS			
123678-HxCDD	518SB004	1.49	NS	NA	NA	NA
	518SB004	1.76	NS			
	518SB006	18.52	NS			
	518SB004	0.66	NS			
	518SB004	2.29	NS			

Chemicals Detected in Zone C Soil Samples
AOC 518

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	518SB006	76.52	NS			
12378-PeCDD	518SB006	21.37	NS	NA	NA	NA
	518SB006	13.50	NS			
123789-HxCDF	518SB006	3.85	NS	NA	NA	NA
234678-HxCDF	518SB004	1.35	NS	NA	NA	NA
	518SB006	10.45	NS			
23478-PeCDF	518SB006	2.01	NS	NA	NA	NA
2378-TCDD	518SB006	6.55	NS	4	NA	NA
OCDD	518SB004	186.41	NS	NA	NA	NA
	518SB004	240.53	NS			
	518SB006	602.90	NS			
OCDF	518SB004	30.87	NS	NA	NA	NA
	518SB004	44.90	NS			
	518SB006	9424.61	NS			
Total Hepta-Dioxins	518SB004	57.95	NS	NA	NA	NA
	518SB004	77.66	NS			
	518SB006	156.14	NS			
Total Hepta-Furans	518SB004	21.49	NS	NA	NA	NA
	518SB004	55.00	NS			
	518SB006	2625.87	NS			
Total Hexa-Dioxins	518SB004	5.11	NS	NA	NA	NA
	518SB004	7.91	NS			
	518SB006	22.85	NS			
Total Hexa-Furans	518SB004	23.11	NS	NA	NA	NA
	518SB004	25.80	NS			
	518SB006	254.16	NS			
Total Penta-Dioxins	518SB006	21.37	NS	NA	NA	NA
Total Penta-Furans	518SB004	13.72	NS	NA	NA	NA
	518SB004	16.19	NS			
	518SB006	17.91	NS			
Total Tetra-Dioxins	518SB006	6.55	NS	NA	NA	NA
Total Tetra-Furans	518SB004	2.85	NS	NA	NA	NA
Herbicides (ug/kg)						
2,4,5-TP (Silvex)	518SB006	3.10	NS	630000	NA	NA
Other Compounds (mg/kg)						
Chloride	518SB001	10.00	10.00	NA	NA	NA
Sulfur	518SB001	0.06	0.11	NA	NA	NA
Total phosphorus	518SB001	2.18	4.49	NA	NA	NA
Inorganic Compounds (mg/kg)						
Aluminum (Al)	518SB001	6090.00	3060.00	7800.00	9990.00	23700.00
	518SB002	6300.00	6020.00			
	518SB003	6390.00	3730.00			
	518SB004	4995.00	3890.00			
	518SB005	10000.00	4230.00			
	518SB006	4740.00	NS			
	518SB008	4640.00	NS			
	518SB009	5330.00	NS			

Chemicals Detected in Zone C Soil Samples
AOC 518

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	518SB010	5530.00	NS			
Antimony (Sb)	518SB001	ND	ND	3.10	0.55	0.92
	518SB002	1.70	ND			
	518SB003	0.47	ND			
	518SB004	0.28	ND			
	518SB005	ND	ND			
	518SB006	0.23	NS			
	518SB008	0.89	NS			
	518SB009	0.49	NS			
	518SB010	1.30	NS			
Arsenic (As)	518SB001	ND	ND	0.43	14.20	14.10
	518SB002	2.60	0.35			
	518SB003	3.90	0.38			
	518SB004	2.00	ND			
	518SB005	1.20	0.63			
	518SB006	ND	NS			
	518SB008	3.60	NS			
	518SB009	ND	NS			
	518SB010	ND	NS			
Barium (Ba)	518SB001	21.00	10.20	550.00	77.20	68.50
	518SB002	69.40	19.90			
	518SB003	84.80	14.00			
	518SB004	33.60	9.80			
	518SB005	87.30	12.60			
	518SB006	25.00	NS			
	518SB008	47.50	NS			
	518SB009	26.20	NS			
	518SB010	114.00	NS			
Beryllium (Be)	518SB005	0.49	NS	0.15	NA	0.98
	518SB006	ND	NS			
	518SB008	ND	NS			
	518SB009	ND	NS			
	518SB010	ND	NS			
Cadmium (Cd)	518SB002	0.75	ND	3.90	0.65	0.28
	518SB008	1.20	NS			
	518SB009	0.73	NS			
Calcium (Ca)	518SB001	711.00	191.00	NA	NA	NA
	518SB002	939.00	126.00			
	518SB003	4040.00	188.00			
	518SB004	630.00	166.00			
	518SB005	4400.00	139.00			
	518SB006	473.00	NS			
	518SB008	4610.00	NS			
	518SB009	20600.00	NS			
	518SB010	1190.00	NS			
Chromium (Cr)	518SB001	5.20	4.80	39.00	26.40	12.50
	518SB002	19.70	6.30			
	518SB003	7.90	5.60			
	518SB004	6.40	5.70			
	518SB005	7.30	6.20			

Chemicals Detected in Zone C Soil Samples
AOC 518

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	518SB006	6.45	NS			
	518SB008	10.80	NS			
	518SB009	12.00	NS			
	518SB010	39.10	NS			
Cobalt (Co)	518SB001	0.62	0.44	470.00	3.22	7.10
	518SB002	1.30	0.72			
	518SB003	1.60	0.55			
	518SB004	0.84	0.69			
	518SB005	1.60	0.66			
	518SB006	0.43	NS			
	518SB008	1.50	NS			
	518SB009	1.30	NS			
	518SB010	0.73	NS			
Copper (Cu)	518SB001	2.20	ND	310.00	34.70	42.20
	518SB002	44.30	2.30			
	518SB003	15.30	4.00			
	518SB004	653.50	1.00			
	518SB005	5.20	1.40			
	518SB006	9.60	NS			
	518SB008	18.50	NS			
	518SB009	15.50	NS			
	518SB010	17.00	NS			
Iron (Fe)	518SB001	2390.00	1580.00	2300.00	NA	NA
	518SB002	3650.00	3030.00			
	518SB003	4140.00	1980.00			
	518SB004	2660.00	1620.00			
	518SB005	4250.00	2570.00			
	518SB006	2470.00	NS			
	518SB008	3780.00	NS			
	518SB009	3800.00	NS			
	518SB010	2990.00	NS			
Lead (Pb)	518SB001	5.60	2.60	400.00	330.00	73.20
	518SB002	129.00	6.50			
	518SB003	55.30	4.50			
	518SB004	137.30	3.20			
	518SB005	9.80	3.20			
	518SB006	30.00	NS			
	518SB008	94.20	NS			
	518SB009	ND	NS			
	518SB010	750.00	NS			
Magnesium (Mg)	518SB001	298.00	180.00	NA	NA	NA
	518SB002	389.00	317.00			
	518SB003	449.00	210.00			
	518SB004	261.50	225.00			
	518SB005	514.00	282.00			
	518SB006	267.00	NS			
	518SB008	364.00	NS			
	518SB009	577.00	NS			
	518SB010	310.00	NS			
Manganese (Mn)	518SB001	38.20	9.70	180.00	92.50	106.00

Chemicals Detected in Zone C Soil Samples
AOC 518

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	518SB002	45.10	19.30			
	518SB003	37.80	9.60			
	518SB004	25.70	12.40			
	518SB005	58.40	12.60			
	518SB006	22.80	NS			
	518SB008	44.60	NS			
	518SB009	58.10	NS			
	518SB010	41.00	NS			
Mercury (Hg)	518SB009	0.13	NS	2.30	0.24	0.30
	518SB010	0.54	NS			
Nickel (Ni)	518SB001	2.00	1.00	160.00	12.30	16.70
	518SB002	3.30	2.40			
	518SB003	4.00	1.40			
	518SB004	2.50	1.70			
	518SB005	3.80	1.60			
	518SB006	2.50	NS			
	518SB008	4.30	NS			
	518SB009	5.00	NS			
	518SB010	3.90	NS			
Potassium (K)	518SB001	154.00	123.00	NA	NA	NA
	518SB002	181.00	130.00			
	518SB003	754.00	154.00			
	518SB004	127.50	143.00			
	518SB005	374.00	158.00			
	518SB006	151.00	NS			
	518SB008	155.00	NS			
	518SB009	333.00	NS			
	518SB010	152.00	NS			
Selenium (Se)	518SB001	0.92	ND	39.00	1.44	2.90
	518SB002	ND	0.49			
	518SB003	1.00	ND			
	518SB004	0.61	ND			
	518SB008	0.73	NS			
	518SB009	0.71	NS			
	518SB010	0.49	NS			
Sodium (Na)	518SB003	490.00	ND	NA	NA	NA
	518SB009	254.00	NS			
	518SB010	230.00	NS			
Tin (Sn)	518SB001	1.10	0.80	4700.00	2.95	2.37
	518SB002	3.30	0.98			
	518SB003	1.40	1.10			
	518SB004	12.75	0.67			
	518SB005	0.80	1.50			
	518SB006	1.40	NS			
	518SB008	2.00	NS			
	518SB009	2.40	NS			
	518SB010	2.90	NS			
Vanadium (V)	518SB001	4.60	3.00	55.00	23.86	56.90
	518SB002	7.30	4.60			
	518SB003	7.40	3.70			

Chemicals Detected in Zone C Soil Samples
AOC 518

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	518SB004	5.30	3.40			
	518SB005	8.80	5.00			
	518SB006	5.80	NS			
	518SB008	9.20	NS			
	518SB009	10.80	NS			
	518SB010	9.20	NS			
Zinc (Zn)	518SB001	11.80	3.30	2300.00	159.00	243.00
	518SB002	279.00	16.50			
	518SB003	45.40	6.30			
	518SB004	87.25	4.40			
	518SB005	13.80	5.70			
	518SB006	69.10	NS			
	518SB008	141.00	NS			
	518SB009	155.00	NS			
	518SB010	174.00	NS			

Notes:
ND: Not Detected
NS: No Sample Taken/Sample Not Analyzed
NA: Not applicable
For compounds detected in both the primary and duplicate sample, the concentration for both detections are averaged and listed as one detection.
For compounds that were detected in only one of the primary or duplicate sample, the value of the detection was used.
* Surface soil samples were used for human health risk assessment for the Zone C report.

Chemicals Detected in Zone C Soil Samples
AOC 519

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
Volatile Organic Compounds (ug/kg)						
Methylene chloride	519SB001	15.00	ND	85000	NA	NA
Vinyl acetate	519SB002	8.00	11.00	7800000	NA	NA
Semi-volatile Compounds (ug/kg)						
Di-n-butylphthalate	519SB004	49.00	ND	780000	NA	NA
Chlorinated Pesticides (ug/kg)						
4,4'-DDE	519SB002	210.00	ND	2700	NA	NA
	519SB003	17.00	ND			
4,4'-DDT	519SB002	73.00	ND	1900	NA	NA
	519SB003	4.90	ND			
Herbicides (ug/kg)						
2,4,5-T	519CB001	18.00	NS	780000	NA	NA
2,4-D	519CB001	55.00	NS	780000	NA	NA
Dioxin/Dibenzofuran (ng/kg)						
1234678-HpCDF	519CB001	0.62	NS	NA	NA	NA
OCDD	519CB001	1.67	NS	NA	NA	NA
OCDF	519CB001	0.87	NS	NA	NA	NA
Total Hepta-Dioxins	519CB001	0.37	NS	NA	NA	NA
Total Hepta-Furans	519CB001	0.21	NS	NA	NA	NA
Total Hexa-Dioxins	519CB001	0.44	NS	NA	NA	NA
Total Hexa-Furans	519CB001	0.21	NS	NA	NA	NA
Total Penta-Dioxins	519CB001	0.60	NS	NA	NA	NA
Total Penta-Furans	519CB001	0.42	NS	NA	NA	NA
Total Tetra-Dioxins	519CB001	0.23	NS	NA	NA	NA
Total Tetra-Furans	519CB001	0.40	NS	NA	NA	NA
Petroleum Hydrocarbons, TPH (mg/kg)						
Petroleum Hydrocarbons, TPH	519SB001	15.20	135.00	100	NA	NA
	519SB002	135.00	47.70			
	519SB003	15.20	15.20			
	519SB004	33.00	ND			
	519SB005	ND	41.70			
	519SB006	28.20	33.90			
Inorganic Compounds (mg/kg)						
Aluminum (Al)	519SB001	5730.00	3760.00	7800.00	9990.00	23700
	519SB002	5520.00	3140.00			
	519SB003	4630.00	3700.00			
	519SB004	4910.00	3370.00			
	519SB005	4770.00	3090.00			
	519SB006	5650.00	4030.00			
Barium (Ba)	519SB001	12.30	6.90	550.00	77.20	68.5
	519SB002	32.40	8.30			
	519SB003	26.60	14.30			
	519SB004	18.40	9.90			
	519SB005	16.00	6.40			

Chemicals Detected in Zone C Soil Samples
AOC 519

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	519SB006	12.50	6.00			
Calcium (Ca)	519SB001	906.00	104.00	NA	NA	NA
	519SB002	3190.00	284.00			
	519SB003	913.00	1840.00			
	519SB004	3060.00	167.00			
	519SB005	2400.00	607.00			
	519SB006	1360.00	709.00			
Chromium (Cr)	519SB001	6.60	5.30	39.00	26.40	12.5
	519SB002	7.10	4.30			
	519SB003	5.80	5.60			
	519SB004	5.60	4.40			
	519SB005	6.50	4.80			
	519SB006	5.50	5.60			
Chromium (Hexavalent)	519CB001	1.19	ND	39.00	26.40	12.5
Cobalt (Co)	519SB001	0.51	0.55	470.00	3.22	7.1
	519SB002	0.69	0.56			
	519SB003	0.51	0.58			
	519SB004	0.41	0.55			
	519SB005	0.35	0.60			
	519SB006	0.53	0.68			
Copper (Cu)	519SB002	3.70	ND	310.00	34.70	42.2
	519SB003	1.80	ND			
	519SB004	2.50	ND			
	519SB005	1.80	ND			
Iron (Fe)	519SB001	2710.00	2110.00	2300.00	NA	NA
	519SB002	2810.00	2170.00			
	519SB003	2430.00	2490.00			
	519SB004	2440.00	2140.00			
	519SB005	2350.00	1760.00			
	519SB006	2700.00	2730.00			
Lead (Pb)	519SB001	2.80	1.90	400.00	330.00	73.2
	519SB002	8.70	2.20			
	519SB003	5.40	2.90			
	519SB004	36.00	2.30			
	519SB005	6.60	1.50			
	519SB006	3.60	2.20			
Magnesium (Mg)	519SB001	360.00	212.00	NA	NA	NA
	519SB002	411.00	219.00			
	519SB003	275.00	309.00			
	519SB004	272.00	229.00			
	519SB005	254.00	203.00			
	519SB006	274.00	203.00			
Manganese (Mn)	519SB001	16.90	13.10	180.00	92.50	106
	519SB002	25.90	14.90			
	519SB003	32.70	26.90			
	519SB004	18.90	15.40			
	519SB005	20.40	11.30			
	519SB006	19.50	14.60			
Mercury (Hg)	519SB002	0.12	0.11	2.30	0.24	0.3
	519SB004	0.16	ND			

Chemicals Detected in Zone C Soil Samples
AOC 519

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	519SB005	0.11	ND			
Nickel (Ni)	519SB001	1.80	1.50	160.00	12.30	16.7
	519SB002	2.40	1.30			
	519SB003	1.90	1.50			
	519SB004	1.60	1.30			
	519SB005	1.40	1.60			
	519SB006	2.20	1.80			
Potassium (K)	519SB001	113.00	93.70	NA	NA	NA
	519SB002	143.00	109.00			
	519SB003	96.50	148.00			
	519SB004	92.40	110.00			
	519SB005	106.00	85.00			
	519SB006	119.00	99.10			
Selenium (Se)	519SB001	ND	0.53	39.00	1.44	2.9
Sodium (Na)	519SB001	118.00	122.00	NA	NA	NA
	519SB002	149.00	120.00			
	519SB003	111.00	126.00			
	519SB004	106.00	110.00			
	519SB005	115.00	129.00			
	519SB006	98.60	123.00			
Vanadium (V)	519SB001	4.00	3.00	55.00	23.40	56.9
	519SB002	5.00	3.00			
	519SB003	3.10	3.90			
	519SB004	3.70	3.20			
	519SB005	3.70	2.50			
	519SB006	4.10	4.20			
Zinc (Zn)	519SB001	6.10	4.20	2300.00	159.00	243
	519SB002	10.40	4.80			
	519SB003	7.60	5.80			
	519SB004	14.10	5.30			
	519SB005	8.60	3.70			
	519SB006	11.20	6.80			

Notes:
ND: Not Detected
NS: No Sample Taken/Sample Not Analyzed
NA: Not applicable
For compounds detected in both the primary and duplicate sample, the concentration for both detections are averaged and listed as one detection.
For compounds that were detected in only one of the primary or duplicate sample, the value of the detection was used.
* Surface soil samples were used for human health risk assessment for the Zone C report.

Chemicals Detected in Zone C Soil Samples
AOC 520

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
Volatile Organic Compounds (ug/kg)						
Methylene chloride	520SB002	ND	37.00	85000	NA	NA
Semi-volatile Compounds (ug/kg)						
Benzo(a)anthracene	520SB001	170.00	ND	880	NA	NA
Chrysene	520SB001	170.00	ND	88000	NA	NA
Di-n-butylphthalate	520SB003	ND	91.00	780000	NA	NA
	520SB003	45.00	ND			
Fluoranthene	520SB001	280.00	ND	310000	NA	NA
Phenanthrene	520SB001	120.00	ND	310000	NA	NA
Pyrene	520SB001	200.00	ND	230000	NA	NA
Chlorinated Pesticides (ug/kg)						
4,4'-DDD	520SB002	5.40	ND	2700	NA	NA
	520SB003	ND	12.00			
	520SB007	4.60	NS			
	520SB008	3.60	NS			
4,4'-DDE	520SB001	34.00	ND	1900	NA	NA
	520SB002	89.00	19.00			
	520SB007	78.00	NS			
	520SB008	110.00	NS			
4,4'-DDT	520SB002	50.00	ND	1900	NA	NA
	520SB006	3.90	ND			
	520SB007	67.00	NS			
	520SB008	69.00	NS			
Chlordane	520SB001	520.00	23.00	490	NA	NA
	520SB002	540.00	98.00			
	520SB005	1400.00	290.00			
	520SB006	880.00	170.00			
	520SB007	100.00	NS			
	520SB008	23.00	NS			
Dieldrin	520SB006	8.40	ND	40	NA	NA
	520SB007	2.50	NS			
Endosulfan I	520SB006	4.20	ND	47000	NA	NA
Endosulfan II	520SB004	3.80	4.00	47000	NA	NA
	520SB006	4.30	3.70			
	520SB007	8.80	NS			
Endosulfan sulfate	520SB003	ND	2.10	47000	NA	NA
	520SB004	ND	4.80			
	520SB006	2.60	ND			
	520SB007	4.60	NS			
	520SB008	2.40	NS			
Endrin	520SB007	0.57	NS	2300	NA	NA
	520SB008	0.30	NS			
Endrin aldehyde	520SB002	1.90	ND	2300	NA	NA
	520SB007	0.64	NS			
	520SB008	0.63	NS			
Heptachlor	520SB005	8.50	ND	140	NA	NA
	520SB006	1.40	2.20			
	520SB008	0.52	NS			

Chemicals Detected in Zone C Soil Samples
AOC 520

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
Heptachlor epoxide	520SB002	2.40	ND	70	NA	NA
	520SB008	0.93	NS			
Methoxychlor	520SB003	ND	3.60	39000	NA	NA
beta-BHC	520SB007	0.47	NS	470	NA	NA
	520SB008	0.56	NS			
delta-BHC	520SB005	1.30	ND	470	NA	NA
Dioxin/Dibenzofuran (ng/kg)						
1234678-HpCDD	520CB003	NS	1.00	NA	NA	NA
1234678-HpCDF	520CB003	NS	1.22	NA	NA	NA
123478-HxCDF	520CB003	NS	0.14	NA	NA	NA
123678-HxCDF	520CB003	NS	0.25	NA	NA	NA
12378-PeCDD	520CB003	NS	0.21	NA	NA	NA
123789-HxCDF	520CB003	NS	0.32	NA	NA	NA
234678-HxCDF	520CB003	NS	0.13	NA	NA	NA
OCDD	520CB003	NS	4.38	NA	NA	NA
OCDF	520CB003	NS	2.32	NA	NA	NA
Total Hepta-Dioxins	520CB003	NS	3.28	NA	NA	NA
Total Hepta-Furans	520CB003	NS	1.59	NA	NA	NA
Total Hexa-Furans	520CB003	NS	0.25	NA	NA	NA
Other Compounds (mg/kg)						
Chloride	520SB005	12.00	10.00	NA	NA	NA
Nitrate-Nitrite-N	520SB005	11.50	1.30	NA	NA	NA
Sulfur	520SB005	0.06	0.10	NA	NA	NA
Total phosphorus	520SB005	6.56	1.70	NA	NA	NA
Inorganic Compounds (mg/kg)						
Aluminum (Al)	520SB001	4640.00	3410.00	7800.00	9990.00	23700.00
	520SB002	4980.00	2500.00			
	520SB003	4150.00	2850.00			
	520SB004	4540.00	2610.00			
	520SB005	4960.00	3960.00			
	520SB006	4730.00	2050.00			
Antimony (Sb)	520SB002	0.27	ND	3.10	0.55	0.92
	520SB005	0.24	ND			
Arsenic (As)	520SB001	1.40	ND	0.43	14.20	14.10
	520SB003	0.47	ND			
Barium (Ba)	520SB001	21.40	13.50	550.00	77.20	68.50
	520SB002	21.60	7.80			
	520SB003	28.10	5.00			
	520SB004	11.10	4.60			
	520SB005	13.70	5.10			
	520SB006	15.90	5.40			
Calcium (Ca)	520SB001	86500.00	643.00	NA	NA	NA
	520SB002	39300.00	12200.00			
	520SB003	3840.00	872.50			
	520SB004	1680.00	952.00			
	520SB005	6250.00	1460.00			
	520SB006	1830.00	379.00			

Chemicals Detected in Zone C Soil Samples
AOC 520

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
Chromium (Cr)	520SB001	9.10	3.90	39.00	26.40	12.50
	520SB002	5.60	3.60			
	520SB003	4.10	3.70			
	520SB004	3.60	3.20			
	520SB005	4.30	4.30			
	520SB006	3.90	2.40			
Cobalt (Co)	520SB001	10.30	0.88	470.00	3.22	7.10
	520SB002	6.50	6.60			
	520SB003	ND	0.47			
	520SB004	1.10	1.20			
	520SB005	2.10	0.80			
	520SB006	0.39	0.34			
Copper (Cu)	520SB001	3.80	1.10	310.00	34.70	42.20
	520SB002	5.90	1.00			
	520SB003	3.40	0.55			
	520SB004	0.92	0.62			
	520SB005	1.50	0.65			
	520SB006	1.60	0.62			
Iron (Fe)	520SB001	4220.00	1950.00	2300.00	NA	NA
	520SB002	2260.00	1500.00			
	520SB003	2010.00	802.50			
	520SB004	1920.00	1180.00			
	520SB005	2090.00	980.00			
	520SB006	1940.00	1120.00			
Lead (Pb)	520SB001	14.80	3.40	400.00	330.00	73.20
	520SB002	21.40	2.50			
	520SB003	41.10	1.90			
	520SB004	2.50	1.80			
	520SB005	5.40	1.90			
	520SB006	8.70	2.60			
Magnesium (Mg)	520SB001	2490.00	231.00	NA	NA	NA
	520SB002	1520.00	455.00			
	520SB003	275.00	138.00			
	520SB004	224.00	110.00			
	520SB005	373.00	151.00			
	520SB006	247.00	80.80			
Manganese (Mn)	520SB001	71.20	13.80	180.00	92.50	106.00
	520SB002	51.20	21.70			
	520SB003	27.30	6.95			
	520SB004	15.20	9.60			
	520SB005	19.80	9.20			
	520SB006	18.90	8.30			
Nickel (Ni)	520SB001	8.20	1.70	160.00	12.30	16.70
	520SB002	3.30	2.00			
	520SB003	1.60	1.10			
	520SB004	1.70	0.92			
	520SB005	2.00	1.30			
	520SB006	1.50	0.75			
Potassium (K)	520SB001	1550.00	121.00	NA	NA	NA
	520SB002	301.00	145.00			

Chemicals Detected in Zone C Soil Samples
AOC 520

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	520SB003	91.70	64.70			
	520SB004	90.80	61.70			
	520SB005	115.00	70.60			
	520SB006	207.00	66.50			
Selenium (Se)	520SB003	ND	0.61	39.00	1.44	2.90
	520SB004	0.57	ND			
	520SB006	0.48	ND			
Sodium (Na)	520SB002	273.00	ND	NA	NA	NA
Tin (Sn)	520SB001	0.76	0.99	4700.00	2.95	2.37
	520SB002	1.30	0.91			
	520SB003	1.40	1.15			
	520SB004	0.93	1.70			
	520SB005	1.70	1.70			
	520SB006	1.60	1.40			
Vanadium (V)	520SB001	7.70	3.30	55.00	23.40	56.90
	520SB002	4.30	2.70			
	520SB003	2.90	1.30			
	520SB004	2.70	1.70			
	520SB005	3.30	1.50			
	520SB006	2.90	1.20			
Zinc (Zn)	520SB001	21.90	5.40	2300.00	159.00	243.00
	520SB002	33.00	4.50			
	520SB003	27.30	2.50			
	520SB004	4.80	2.90			
	520SB005	7.80	2.40			
	520SB006	11.20	2.90			

Notes:
ND: Not Detected
NS: No Sample Taken/Sample Not Analyzed
NA: Not applicable
For compounds detected in both the primary and duplicate sample, the concentration for both detections are averaged and listed as one detection.
For compounds that were detected in only one of the primary or duplicate sample, the value of the detection was used.
* Surface soil samples were used for human health risk assessment for the Zone C report.

Chemicals Detected in Zone C Soil Samples
AOC 522

Name	ID	Surface Conc.	Subsurface Conc.	RBC THQ=.1)	Surface UTL	Subsurface UTL *
Volatile Organic Compounds (ug/kg)						
Carbon tetrachloride	522SB003	1.00	ND	4900	NA	NA
Methylene chloride	522SB001	34.00	40.00	85000	NA	NA
	522SB002	50.00	9.00			
	522SB003	ND	29.00			
	522SB004	27.00	23.00			
Trichloroethene	522SB003	4.00	ND	12000	NA	NA
	522SB004	8.00	ND			
	522SB005	3.00	ND			
Semi-volatile Compounds (ug/kg)						
Benzo(b)fluoranthene	522SB003	54.00	ND	880	NA	NA
Chrysene	522SB002	52.00	ND	88000	NA	NA
Phenanthrene	522SB002	40.00	ND	310000	NA	NA
Chlorinated Pesticides (ug/kg)						
4,4'-DDE	522SB005	8.50	ND	1900	NA	NA
4,4'-DDT	522SB005	3.40	ND	1900	NA	NA
Heptachlor epoxide	522SB005	2.30	ND	70	NA	NA
delta-BHC	522SB002	ND	3.00	470	NA	NA
	522SB003	3.00	ND			
gamma-Chlordane	522SB003	2.90	ND	470	NA	NA
	522SB005	4.60	ND			
Dioxin/Dibenzofuran (ng/kg)						
OCDD	522SB003	8.64	NS	NA	NA	NA
Total Hepta-Dioxins	522SB003	1.67	NS	NA	NA	NA
Total Hexa-Dioxins	522SB003	1.84	NS	NA	NA	NA
Total Tetra-Dioxins	522SB003	1.27	NS	NA	NA	NA
Other Compounds (mg/kg)						
Cyanide (CN)	522SB002	0.18	0.19	160000	NA	NA
	522SB002	ND	ND			
	522SB003	0.18	ND			
	522SB004	0.27	ND			
	522SB005	0.16	ND			
Inorganic Compounds (mg/kg)						
Aluminum (Al)	522SB001	2300.00	2860.00	7800.00	9990.00	23700.00
	522SB002	4060.00	5120.00			
	522SB003	4160.00	1830.00			
	522SB004	4740.00	3150.00			
	522SB005	3910.00	1980.00			
Arsenic (As)	522SB001	2.90	5.40	0.43	14.20	14.10
	522SB002	3.80	2.50			
	522SB003	4.35	11.80			
	522SB004	3.40	4.50			
	522SB005	2.80	3.10			
Beryllium (Be)	522SB001	0.11	0.13	0.15	NA	0.98
	522SB002	0.23	0.24			

Chemicals Detected in Zone C Soil Samples
AOC 522

Name	ID	Surface Conc.	Subsurface Conc.	RBC THQ=.1)	Surface UTL	Subsurface UTL *
	522SB003	0.23	0.11			
	522SB004	0.19	0.12			
	522SB005	0.16	0.09			
Cadmium (Cd)	522SB003	0.13	ND	3.90	0.65	0.28
Calcium (Ca)	522SB002	2230.00	ND	NA	NA	NA
	522SB003	12380.00	ND			
Chromium (Cr)	522SB001	51.70	11.90	39.00	26.40	12.50
	522SB002	18.70	17.20			
	522SB003	11.20	8.90			
	522SB004	17.00	11.40			
	522SB005	72.70	8.20			
Cobalt (Co)	522SB002	0.63	0.41	470.00	3.22	7.10
	522SB003	0.59	ND			
	522SB004	0.62	ND			
	522SB005	1.10	ND			
Copper (Cu)	522SB002	6.00	ND	310.00	34.70	42.20
	522SB003	3.90	ND			
Iron (Fe)	522SB001	2940.00	3840.00	2300.00	NA	NA
	522SB002	2730.00	3440.00			
	522SB003	3275.00	5960.00			
	522SB004	4810.00	3710.00			
	522SB005	3460.00	2540.00			
Lead (Pb)	522SB001	4.60	2.20	400.00	330.00	73.20
	522SB002	23.00	4.50			
	522SB003	16.50	2.00			
	522SB004	5.00	3.00			
	522SB005	5.30	1.60			
Magnesium (Mg)	522SB001	480.00	368.00	NA	NA	NA
	522SB002	646.00	491.00			
	522SB003	865.50	170.00			
	522SB004	673.00	341.00			
	522SB005	2060.00	271.00			
Manganese	522SB001	24.20	8.50	180.00	92.50	106.00
	522SB002	34.80	22.40			
	522SB003	19.20	ND			
	522SB004	34.20	10.90			
	522SB005	26.50	8.00			
Thallium (Tl)	522SB003	ND	0.66	0.63	NA	NA
Vanadium (V)	522SB001	3.20	7.10	55.00	23.40	56.90
	522SB002	4.40	3.90			
	522SB003	6.45	12.90			
	522SB004	6.20	8.00			
	522SB005	4.70	4.30			
Zinc (Zn)	522SB002	17.40	ND	2300.00	159.00	243.00

Notes:
ND: Not Detected
NS: No Sample Taken/Sample Not Analyzed
NA: Not applicable
For compounds detected in both the primary and duplicate sample, the concentration for both

Chemicals Detected in Zone C Soil Samples
AOC 522

Name	ID	Surface Conc.	Subsurface Conc.	RBC THQ=.1)	Surface UTL	Subsurface UTL *

detections are averaged and listed as one detection.

For compounds that were detected in only one of the primary or duplicate sample, the value of the detection was used.

* Surface soil samples were used for human health risk assessment for the Zone C report.

Chemicals Detected in Zone C Soil Samples
AOC 523

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
Semi-volatile Compounds (ug/kg)						
Benzo(a)anthracene	523SB001	130.00	ND	880	NA	NA
Benzo(g,h,i)perylene	523SB001	43.00	ND	310000	NA	NA
Benzo(k)fluoranthene	523SB001	240.00	ND	8800	NA	NA
Chrysene	523SB001	130.00	ND	88000	NA	NA
Di-n-butylphthalate	523SB001	ND	50.00	780000	NA	NA
Fluoranthene	523SB001	180.00	ND	310000	NA	NA
	523SB002	61.00	ND			
Indeno(1,2,3-cd)pyrene	523SB001	48.00	ND	880	NA	NA
Phenanthrene	523SB001	83.00	ND	310000	NA	NA
Pyrene	523SB001	170.00	ND	230000	NA	NA
	523SB002	52.00	ND			
Chlorinated Pesticides (ug/kg)						
4,4'-DDD	523SB002	4.00	0.15	2700	NA	NA
4,4'-DDE	523SB002	14.00	ND	1900	NA	NA
4,4'-DDT	523SB002	22.00	0.50	1900	NA	NA
Dieldrin	523SB002	ND	0.10	40	NA	NA
Endosulfan I	523SB002	ND	0.24	47000	NA	NA
Endosulfan II	523SB002	ND	0.15	47000	NA	NA
Endosulfan sulfate	523SB002	ND	0.09	47000	NA	NA
Endrin	523SB002	ND	0.58	2300	NA	NA
	523SB002	2.70	0.83			
Endrin aldehyde	523SB002	ND	0.10	2300	NA	NA
	523SB001	1.40	ND			
	523SB002	5.40	ND			
Heptachlor	523SB002	ND	0.06	140	NA	NA
	523SB001	1.30	ND			
Methoxychlor	523SB002	ND	0.49	39000	NA	NA
	523SB002	14.00	0.57			
alpha-BHC	523SB002	ND	0.01	470	NA	NA
delta-BHC	523SB002	ND	0.07	470	NA	NA
Dioxin/Dibenzofuran (ng/kg)						
1234678-HpCDD	523SB002	NS	1.73	NA	NA	NA
1234678-HpCDF	523SB002	NS	3.59	NA	NA	NA
123678-HxCDF	523SB002	NS	0.54	NA	NA	NA
123789-HxCDF	523SB002	NS	0.64	NA	NA	NA
OCDD	523SB002	NS	12.07	NA	NA	NA
OCDF	523SB002	NS	8.57	NA	NA	NA
Total Hepta-Dioxins	523SB002	NS	6.88	NA	NA	NA
Total Hepta-Furans	523SB002	NS	3.59	NA	NA	NA
Total Hexa-Furans	523SB002	NS	0.64	NA	NA	NA
Petroleum Hydrocarbons, TPH (mg/kg)						
Petroleum Hydrocarbons, TPH	523SB001	239.00	107.00	100	NA	NA
	523SB002	321.00	63.90			

Chemicals Detected in Zone C Soil Samples
AOC 523

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
Inorganic Compounds (mg/kg)						
Aluminum (Al)	523SB001	4760.00	6150.00	7800.00	9990.00	23700
Antimony (Sb)	523SB002	0.46	ND	3.10	0.55	0.92
Arsenic (As)	523SB001	2.70	ND	0.43	14.20	14.1
	523SB002	6.30	ND			
Barium (Ba)	523SB001	21.20	16.80	550.00	77.20	68.5
	523SB002	34.70	11.60			
Calcium (Ca)	523SB001	2450.00	419.00	NA	NA	NA
	523SB002	3850.00	346.50			
Chromium (Cr)	523SB001	5.00	3.80	39.00	26.40	12.5
	523SB002	59.20	4.20			
Cobalt (Co)	523SB001	0.88	0.71	470.00	3.22	7.1
	523SB002	1.10	0.33			
Copper (Cu)	523SB001	33.20	1.20	310.00	34.70	42.2
	523SB002	9.80	1.40			
Iron (Fe)	523SB001	2570.00	1220.00	2300.00	NA	NA
	523SB002	3520.00	1135.00			
Lead (Pb)	523SB001	64.80	3.90	400.00	330.00	73.2
	523SB002	47.80	18.55			
Magnesium (Mg)	523SB001	262.00	213.00	NA	NA	NA
	523SB002	1460.00	155.50			
Manganese (Mn)	523SB001	34.40	6.30	180.00	92.50	106
	523SB002	24.50	11.90			
Mercury (Hg)	523SB001	0.25	ND	2.30	0.24	0.3
Nickel (Ni)	523SB001	6.00	2.40	160.00	12.30	16.7
	523SB002	3.10	ND			
Potassium (K)	523SB001	130.00	137.00	NA	NA	NA
	523SB002	235.00	78.50			
Tin (Sn)	523SB001	2.30	1.40	4700.00	2.95	2.37
	523SB002	1.60	1.45			
Vanadium (V)	523SB001	4.70	3.00	55.00	23.40	56.9
	523SB002	8.10	2.25			
Zinc (Zn)	523SB001	115.00	5.50	2300.00	159.00	243.0000
	523SB002	23.20	4.75			

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* Surface soil samples were used for human health risk assessment for the Zone C report.

Chemicals Detected in Zone C Grid Soil Samples

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
Volatile Organic Compounds (ug/kg)						
Acetone	GDCSB003	35.00	NS	780000	NA	NA
	GDCSB005	22.00	NS			
	GDCSB008	12.00	29.00			
Toluene	GDCSB001	2.00	1.00	16000000	NA	NA
	GDCSB005	2.00	NS			
	GDCSB008	2.00	ND			
Semi-volatile Compounds (ug/kg)						
1-Methyl naphthalene	GDCSB008	ND	63.00	310000	NA	NA
Anthracene	GDCSB017	39.00	NS	2300000	NA	NA
	GDCSB039	50.00	ND			
Benzo(a)anthracene	GDCSB001	50.00	ND	880	NA	NA
	GDCSB003	73.00	NS			
	GDCSB004	ND	180.00			
	GDCSB009	ND	140.00			
	GDCSB013	330.00	NS			
	GDCSB017	180.00	NS			
	GDCSB039	260.00	130.00			
	GDCSB040	140.00	ND			
Benzo(a)pyrene	GDCSB001	66.00	ND	88	NA	NA
	GDCSB003	75.00	NS			
	GDCSB005	330.00	NS			
	GDCSB009	ND	120.00			
	GDCSB013	300.00	NS			
	GDCSB017	150.00	NS			
	GDCSB039	190.00	150.00			
	GDCSB040	130.00	NS			
Benzo(b)fluoranthene	GDCSB001	150.00	ND	880	NA	NA
	GDCSB003	150.00	NS			
	GDCSB005	49.00	NS			
	GDCSB009	ND	180.00			
	GDCSB013	720.00	NS			
	GDCSB017	260.00	NS			
	GDCSB039	340.00	240.00			
	GDCSB040	270.00	NS			
Benzo(g,h,i)perylene	GDCSB013	95.00	NS	310000	NA	NA
	GDCSB039	130.00	ND			
	GDCSB039	ND	93.00			
	GDCSB040	160.00	NS			
Benzo(k)fluoranthene	GDCSB001	140.00	ND	8800	NA	NA
	GDCSB003	160.00	NS			
	GDCSB005	52.00	NS			
	GDCSB009	ND	200.00			
	GDCSB013	730.00	NS			
	GDCSB017	290.00	NS			
	GDCSB039	360.00	96.00			
	GDCSB040	290.00	NS			
Butylbenzylphthalate	GDCSB045	160.00	NS	16000	NA	NA
Chrysene	GDCSB001	76.00	ND	88000	NA	NA

Chemicals Detected in Zone C Grid Soil Samples

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	GDCSB003	89.00	NS			
	GDCSB004	ND	160.00			
	GDCSB009	ND	96.00			
	GDCSB013	390.00	NS			
	GDCSB017	180.00	NS			
	GDCSB039	200.00	190.00			
	GDCSB040	130.00	NS			
Di-n-butylphthalate	GDCSB004	140.00	120.00	780000	NA	NA
	GDCSB039	ND	110.00			
Fluoranthene	GDCSB001	90.00	ND	310000	NA	NA
	GDCSB003	170.00	NS			
	GDCSB004	ND	360.00			
	GDCSB005	42.00	NS			
	GDCSB009	47.00	180.00			
	GDCSB013	630.00	NS			
	GDCSB017	290.00	NS			
	GDCSB039	480.00	360.00			
	GDCSB040	200.00	NS			
Indeno(1,2,3-cd)pyrene	GDCSB013	220.00	NS	880	NA	NA
	GDCSB017	57.00	NS			
	GDCSB039	120.00	82.00			
	GDCSB040	110.00	NS			
Naphthalene	GDCSB045	39.00	NS	310000	NA	NA
Phenanthrene	GDCSB003	140.00	NS	310000	NA	NA
	GDCSB009	ND	110.00			
	GDCSB013	180.00	NS			
	GDCSB017	240.00	NS			
	GDCSB039	310.00	230.00			
	GDCSB040	83.00	NS			
Pyrene	GDCSB001	59.00	ND	230000	NA	NA
	GDCSB003	140.00	NS			
	GDCSB004	ND	330.00			
	GDCSB007	55.00	NS			
	GDCSB009	50.00	270.00			
	GDCSB013	950.00	NS			
	GDCSB017	300.00	NS			
	GDCSB038	28.00	ND			
	GDCSB039	400.00	270.00			
	GDCSB040	210.00	NS			
bis(2-Ethylhexyl)phthalate (BEHP)	GDCSB038	86.00	ND	46000	NA	NA
	GDCSB040	1200.00	NS			
	GDCSB045	150.00	NS			
Chlorinated Pesticides (ug/kg)						
4,4'-DDD	GDCSB001	1000.00	8.70	2700	NA	NA
	GDCSB004	39.00	ND			
	GDCSB005	4.50	NS			
	GDCSB006	7.30	NS			
	GDCSB007	3.80	NS			
	GDCSB009	ND	59.00			

Chemicals Detected in Zone C Grid Soil Samples

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	GDCSB013	5.80	NS			
	GDCSB038	4.00	ND			
	GDCSB039	4.90	1.80			
	GDCSB045	1.40	NS			
	GDCSB0046	1.40	NS			
4,4'-DDE	GDCSB003	9.60	NS	1900	NA	NA
	GDCSB004	43.00	ND			
	GDCSB005	31.00	NS			
	GDCSB006	8.80	NS			
	GDCSB009	19.00	110.00			
	GDCSB013	26.00	NS			
	GDCSB017	4.40	NS			
	GDCSB023	NS	11.00			
	GDCSB038	9.70	ND			
	GDCSB039	19.00	21.00			
	GDCSB040	3.00	NS			
	GDCSB045	42.40	NS			
	GDCSB0046	17.00	NS			
4,4'-DDT	GDCSB001	3900.00	21.00	1900	NA	NA
	GDCSB003	9.80	NS			
	GDCSB004	5.50	ND			
	GDCSB007	26.00	NS			
	GDCSB008	ND	49.00			
	GDCSB009	ND	25.00			
	GDCSB013	65.00	NS			
	GDCSB017	24.00	NS			
	GDCSB023	NS	ND			
	GDCSB038	48.00	1.30			
	GDCSB039	97.00	12.00			
	GDCSB040	25.00	NS			
	GDCSB045	58.50	NS			
	GDCSB0046	6.40	NS			
	GDCSB0048	28.00	NS			
Aldrin	GDCSB009	1.50	ND	38	NA	NA
	GDCSB013	1.30	NS			
	GDCSB017	1.10	NS			
	GDCSB039	1.40	1.60			
	GDCSB040	1.70	ND			
	GDCSB0046	0.50	NS			
Chlordane	GDCSB003	14.00	NS	490	NA	NA
	GDCSB009	200.00	400.00			
	GDCSB013	290.00	NS			
	GDCSB038	200.00	ND			
	GDCSB039	680.00	2800.00			
	GDCSB040	100.00	ND			
	GDCSB045	91.00	NS			
	GDCSB0046	20.00	NS			
	GDCSB0048	19.00	NS			
Dieldrin	GDCSB007	5.20	NS	40	NA	NA
	GDCSB009	51.00	4.00			

Chemicals Detected in Zone C Grid Soil Samples

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	GDCSB013	18.00	NS			
	GDCSB038	2.20	ND			
	GDCSB039	8.20	4.60			
	GDCSB040	0.53	NS			
	GDCSB045	2.30	NS			
	GDCSB0047	1.20	NS			
Endosulfan I	GDCSB004	2.80	ND	47000	NA	NA
	GDCSB007	2.20	NS			
	GDCSB017	3.10	NS			
Endosulfan II	GDCSB009	14.00	ND	47000	NA	NA
	GDCSB038	7.20	0.21			
	GDCSB039	40.00	14.00			
	GDCSB040	3.10	NS			
	GDCSB045	5.35	NS			
Endosulfan sulfate	GDCSB004	ND	7.90	47000	NA	NA
	GDCSB013	3.00	NS			
	GDCSB038	1.00	ND			
	GDCSB039	2.00	ND			
	GDCSB040	1.70	NS			
	GDCSB0047	1.10	NS			
Endrin	GDCSB004	5.80	ND	2300	NA	NA
	GDCSB009	4.30	ND			
	GDCSB039	24.00	14.00			
	GDCSB040	11.00	NS			
	GDCSB045	6.05	NS			
	GDCSB0046	1.30	NS			
Endrin aldehyde	GDCSB001	22.00	ND	2300	NA	NA
	GDCSB006	1.70	NS			
	GDCSB007	13.00	NS			
	GDCSB017	2.90	NS			
	GDCSB039	14.00	3.50			
	GDCSB040	0.43	NS			
	GDCSB045	2.70	NS			
	GDCSB0046	0.64	NS			
Heptachlor	GDCSB013	1.90	NS	140	NA	NA
	GDCSB017	1.30	NS			
	GDCSB038	5.60	0.06			
	GDCSB0046	0.54	NS			
	GDCSB0048	0.37	NS			
Heptachlor epoxide	GDCSB004	0.21	ND	70	NA	NA
	GDCSB007	2.20	NS			
	GDCSB009	ND	1.20			
	GDCSB013	1.50	NS			
	GDCSB017	2.90	NS			
	GDCSB038	1.20	ND			
	GDCSB039	10.00	21.00			
	GDCSB040	1.80	NS			
	GDCSB045	2.30	NS			
	GDCSB0046	2.60	NS			
	GDCSB0048	2.30	NS			

Chemicals Detected in Zone C Grid Soil Samples

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
Methoxychlor	GDCSB004	ND	6.40	39000	NA	NA
	GDCSB009	1.10	ND			
	GDCSB013	3.50	NS			
	GDCSB017	31.00	NS			
	GDCSB039	4.30	3.40			
	GDCSB040	16.00	NS			
	GDCSB045	1.40	NS			
	GDCSB0046	1.90	NS			
	GDCSB0047	1.50	NS			
alpha-BHC	GDCSB004	0.12	2.40	470	NA	NA
	GDCSB039	ND	5.40			
beta-BHC	GDCSB004	0.53	2.40	470	NA	NA
	GDCSB013	31.00	NS			
	GDCSB038	ND	1.30			
	GDCSB0046	0.54	NS			
delta-BHC	GDCSB004	0.26	ND	470	NA	NA
	GDCSB017	1.90	NS			
	GDCSB039	6.80	ND			
	GDCSB039	ND	9.80			
	GDCSB040	1.00	NS			
	GDCSB045	1.60	NS			
gamma-BHC (Lindane)	GDCSB009	ND	1.30	490	NA	NA
	GDCSB039	2.10	ND			
	GDCSB040	1.70	NS			
Polychlorinated biphenyls (ug/kg)						
Aroclor-1260	GDCSB001	450.00	ND	83	NA	NA
	GDCSB006	96.00	NS			
	GDCSB008	14.00	1800.00			
	GDCSB009	190.00	69.00			
Organophosphorus Pesticides (ug/kg)						
Dimethoate	GDCSB045	5.00	NS	1600	NA	NA
Dinoseb	GDCCB017	12.00	NS	78000	NA	NA
Disulfoton	GDCCB013	4.50	NS	3100	NA	NA
Methyl parathion	GDCCB013	4.20	NS	20000	NA	NA
Dioxin/Dibenzofuran (ng/kg)						
1234678-HpCDD	GDCCB013	323.04	NS	NA	NA	NA
	GDCSB0023	ND	1.78			
	GDCCB045	16.76	NS			
1234678-HpCDF	GDCCB013	63.00	NS	NA	NA	NA
	GDCSB0023	ND	3.30			
	GDCCB045	6.04	NS			
123478-HxCDD	GDCCB013	4.32	NS	NA	NA	NA
123478-HxCDF	GDCCB013	2.53	NS	NA	NA	NA
	GDCSB0023	ND	0.46			
1234789-HpCDF	GDCSB0023	ND	0.19	NA	NA	NA
123678-HxCDD	GDCCB013	7.37	NS	NA	NA	NA
123678-HxCDF	GDCCB013	6.81	NS	NA	NA	NA
	GDCSB0023	ND	0.41			

Chemicals Detected in Zone C Grid Soil Samples

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
123789-HxCDD	GDCCB013	9.82	NS	NA	NA	NA
123789-HxCDF	GDCSB0023	ND	0.41	NA	NA	NA
234678-HxCDF	GDCCB013	1.57	NS	NA	NA	NA
	GDCSB0023	ND	0.31			
OCDD	GDCCB013	1953.28	NS	NA	NA	NA
	GDCSB0023	ND	12.17			
	GDCCB045	155.45	NS			
OCDF	GDCCB013	148.42	NS	NA	NA	NA
	GDCSB0023	ND	3.65			
	GDCCB045	27.74	NS			
Total Hepta-Dioxins	GDCCB013	1382.93	NS	NA	NA	NA
	GDCSB0023	ND	2.98			
	GDCCB045	38.28	NS			
Total Hepta-Furans	GDCCB013	185.54	NS	NA	NA	NA
	GDCSB0023	ND	5.06			
	GDCCB045	13.87	NS			
Total Hexa-Dioxins	GDCCB013	173.39	NS	NA	NA	NA
	GDCCB045	2.06	NS			
Total Hexa-Furans	GDCCB013	70.40	NS	NA	NA	NA
	GDCSB0023	ND	1.82			
Total Penta-Furans	GDCCB013	1.40	NS	NA	NA	NA
Herbicides (ug/kg)						
2,4,5-T	GDCCB013	26.00	NS	780000	NA	NA
	GDCCB017	15.00	NS			
	GDCCB035	ND	57.00			
	GDCCB045	11.00	NS			
2,4,5-TP (Silvex)	GDCCB035	ND	11.00	630000	NA	NA
Petroleum Hydrocarbons, TPH (mg/kg)						
Petroleum Hydrocarbons, TPH	GDCSB001	18.50	18.50	100	NA	NA
	GDCSB002	18.50	NS			
	GDCSB003	24.40	NS			
	GDCSB004	59.30	76.20			
	GDCSB005	536.00	NS			
	GDCSB006	18.50	NS			
	GDCSB007	858.00	NS			
	GDCSB008	6.30	4706.00			
Other Compounds (mg/kg)						
Chloride	GDCSB001	10.00	37.00	NA	NA	NA
Nitrate-Nitrite-N	GDCSB01	ND	0.59	NA	NA	NA
Sulfur	GDCSB001	0.12	0.03	NA	NA	NA
Total phosphorus	GDCSB001	3.64	4.63	NA	NA	NA
Inorganic Compounds (mg/kg)						
Aluminum (Al)	GDCSB001	5960.00	3630.00	7800.00	9990.00	23700.00
	GDCSB002	2110.00	NS			
	GDCSB003	5910.00	NS			

Chemicals Detected in Zone C Grid Soil Samples

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	GDCSB004	4080.00	14000.00			
	GDCSB005	4000.00	NS			
	GDCSB006	3270.00	NS			
	GDCSB007	3540.00	NS			
	GDCSB008	4240.00	9320.00			
	GDCSB009	5420.00	5630.00			
	GDCSB010	3890.00	25400.00			
	GDCSB011	4890.00	NS			
	GDCSB012	6730.00	5220.00			
	GDCSB013	2650.00	3470.00			
	GDCSB014	5320.00	5050.00			
	GDCSB015	7530.00	7530.00			
	GDCSB016	6160.00	NS			
	GDCSB017	8425.00	NS			
	GDCSB018	2720.00	NS			
	GDCSB019	3500.00	4010.00			
	GDCSB020	4940.00	3860.00			
	GDCSB021	4590.00	1720.00			
	GDCSB022	4030.00	3350.00			
	GDCSB023	4760.00	2585.00			
	GDCSB024	5520.00	5020.00			
	GDCSB025	5990.00	5940.00			
	GDCSB026	5590.00	4970.00			
	GDCSB027	2770.00	17300.00			
	GDCSB028	2250.00	8280.00			
	GDCSB029	3630.00	3120.00			
	GDCSB030	3390.00	4020.00			
	GDCSB031	9720.00	1450.00			
	GDCSB032	3810.00	5740.00			
	GDCSB033	3860.00	3950.00			
	GDCSB034	3480.00	1480.00			
	GDCSB035	8660.00	8900.00			
	GDCSB036	8930.00	16600.00			
	GDCSB037	4530.00	4060.00			
	GDCSB038	3100.00	2260.00			
	GDCSB039	5220.00	6590.00			
	GDCSB040	4560.00	NS			
	GDCSB041	7230.00	NS			
	GDCSB042	5060.00	NS			
	GDCSB043	6710.00	NS			
	GDCSB044	4570.00	NS			
Antimony (Sb)	GDCSB045	6670.00	NS	3.10	0.55	0.92
	GDCSB003	0.28	NS			
	GDCSB005	1.40	NS			
	GDCSB013	0.34	NS			
	GDCSB018	0.29	NS			
	GDCSB023	0.44	ND			
	GDCSB026	0.28	ND			
	GDCSB029	ND	0.92			
	GDCSB030	ND	0.22			

Chemicals Detected in Zone C Grid Soil Samples

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	GDCSB031	0.44	ND			
	GDCSB033	0.26	ND			
	GDCSB036	0.29	NS			
	GDCSB038	0.35	ND			
	GDCSB039	0.33	0.59			
	GDCSB040	0.45	ND			
	GDCSB041	0.38	NS			
	GDCSB043	0.55	NS			
	GDCSB044	0.30	NS			
Arsenic (As)	GDCSB045	0.30	NS	0.43	14.20	14.10
	GDCSB001	3.00	ND			
	GDCSB002	39.40	NS			
	GDCSB003	2.40	NS			
	GDCSB004	0.73	12.10			
	GDCSB005	7.20	NS			
	GDCSB006	3.40	NS			
	GDCSB007	1.00	NS			
	GDCSB008	0.58	5.40			
	GDCSB009	ND	3.10			
	GDCSB010	ND	14.10			
	GDCSB012	1.50	0.44			
	GDCSB013	0.77	NS			
	GDCSB015	2.40	0.62			
	GDCSB016	0.62	NS			
	GDCSB017	6.70	NS			
	GDCSB018	1.70	NS			
	GDCSB019	3.80	ND			
	GDCSB020	1.40	ND			
	GDCSB021	12.50	NS			
	GDCSB022	0.40	ND			
	GDCSB023	0.79	ND			
	GDCSB024	1.80	ND			
	GDCSB025	3.30	1.90			
	GDCSB026	0.74	ND			
	GDCSB027	ND	ND			
	GDCSB028	22.40	6.40			
	GDCSB030	ND	31.60			
	GDCSB031	22.30	ND			
	GDCSB032	ND	0.36			
	GDCSB033	0.60	ND			
	GDCSB034	ND	ND			
	GDCSB035	10.20	2.05			
	GDCSB036	6.60	11.20			
	GDCSB037	2.70	NS			
	GDCSB039	2.60	2.70			
	GDCSB040	2.60	NS			
Barium (Ba)	GDCSB041	5.30	NS	550.00	77.20	68.50
	GDCSB001	69.10	6.90			
	GDCSB002	9.40	NS			
	GDCSB003	15.70	NS			

Chemicals Detected in Zone C Grid Soil Samples

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	GDCSB004	11.10	30.20			
	GDCSB005	15.90	NS			
	GDCSB006	4.40	NS			
	GDCSB007	11.70	NS			
	GDCSB008	11.60	17.10			
	GDCSB009	13.50	16.70			
	GDCSB010	6.00	39.60			
	GDCSB011	15.60	NS			
	GDCSB012	17.10	11.50			
	GDCSB013	15.25	10.50			
	GDCSB014	7.00	3.90			
	GDCSB015	51.10	18.70			
	GDCSB016	25.00	NS			
	GDCSB017	18.00	NS			
	GDCSB018	11.10	NS			
	GDCSB019	14.40	16.90			
	GDCSB020	33.50	18.50			
	GDCSB021	19.40	3.60			
	GDCSB022	20.40	7.30			
	GDCSB023	22.30	7.05			
	GDCSB024	17.50	5.00			
	GDCSB025	65.50	29.80			
	GDCSB026	29.90	18.20			
	GDCSB027	6.90	24.50			
	GDCSB028	10.90	22.20			
	GDCSB029	93.10	17.50			
	GDCSB030	9.00	14.90			
	GDCSB031	31.60	7.60			
	GDCSB032	12.80	24.50			
	GDCSB033	97.40	9.80			
	GDCSB034	9.80	3.70			
	GDCSB035	23.80	33.95			
	GDCSB036	27.50	64.60			
	GDCSB037	15.70	12.90			
	GDCSB038	22.30	8.60			
	GDCSB039	18.20	18.00			
	GDCSB040	193.00	NS			
	GDCSB041	17.70	NS			
	GDCSB042	18.40	NS			
	GDCSB043	39.10	NS			
	GDCSB044	22.30	NS			
Beryllium (Be)	GDCSB045	20.30	NS	0.15	NA	0.98
	GDCSB001	0.26	ND			
	GDCSB003	0.18	NS			
	GDCSB004	ND	0.86			
	GDCSB005	0.16	NS			
	GDCSB008	0.11	0.24			
	GDCSB010	ND	0.98			
Cadmium (Cd)	GDCSB027	ND	0.61	3.90	0.65	0.28
	GDCSB001	0.65	ND			

Chemicals Detected in Zone C Grid Soil Samples

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	GDCSB003	0.16	NS			
	GDCSB013	0.27	ND			
	GDCSB027	ND	0.28			
	GDCSB029	0.24	ND			
	GDCSB030	ND	0.13			
	GDCSB031	0.52	ND			
	GDCSB036	0.45	0.23			
Calcium (Ca)	GDCSB040	0.37	NS	NA	NA	NA
	GDCSB001	2270.00	392.00			
	GDCSB002	20800.00	NS			
	GDCSB003	50100.00	ND			
	GDCSB004	12700.00	40300.00			
	GDCSB005	25100.00	NS			
	GDCSB006	10200.00	NS			
	GDCSB007	3800.00	NS			
	GDCSB008	16400.00	2490.00			
	GDCSB009	18600.00	9380.00			
	GDCSB010	1210.00	17200.00			
	GDCSB011	887.00	NS			
	GDCSB013	9695.00	269.00			
	GDCSB014	34800.00	331.00			
	GDCSB015	2670.00	738.00			
	GDCSB016	27600.00	NS			
	GDCSB017	18150.00	NS			
	GDCSB018	9370.00	NS			
	GDCSB019	71400.00	884.00			
	GDCSB020	16900.00	713.00			
	GDCSB021	728.00	NS			
	GDCSB022	799.00	181.00			
	GDCSB023	1620.00	93.80			
	GDCSB024	484.00	NS			
	GDCSB025	2070.00	1250.00			
	GDCSB026	4050.00	490.00			
	GDCSB027	1060.00	23400.00			
	GDCSB028	1660.00	742.00			
	GDCSB029	34800.00	1740.00			
	GDCSB030	4200.00	2870.00			
	GDCSB031	38500.00	638.00			
	GDCSB032	12100.00	8740.00			
	GDCSB033	1190.00	248.00			
	GDCSB034	497.00	ND			
	GDCSB035	32400.00	17050.00			
	GDCSB036	29700.00	1590.00			
	GDCSB037	21600.00	537.00			
	GDCSB038	85600.00	404.00			
	GDCSB039	8360.00	2600.00			
	GDCSB040	48100.00	NS			
	GDCSB041	1590.00	NS			
	GDCSB042	914.00	NS			
	GDCSB043	2810.00	NS			

Chemicals Detected in Zone C Grid Soil Samples

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	GDCSB044	1780.00	NS			
Chromium (Cr)	GDCSB045	449.00	NS	39.00	26.40	12.50
	GDCSB001	18.80	3.70			
	GDCSB002	8.80	NS			
	GDCSB003	14.40	NS			
	GDCSB004	4.40	30.00			
	GDCSB005	9.50	NS			
	GDCSB006	7.40	NS			
	GDCSB007	4.30	NS			
	GDCSB008	7.60	9.80			
	GDCSB009	8.70	11.10			
	GDCSB010	5.30	39.80			
	GDCSB011	9.00	NS			
	GDCSB012	6.00	6.50			
	GDCSB013	7.10	4.10			
	GDCSB014	6.60	5.90			
	GDCSB015	21.00	7.10			
	GDCSB016	9.10	NS			
	GDCSB017	15.00	NS			
	GDCSB018	7.30	NS			
	GDCSB019	8.90	5.50			
	GDCSB020	11.20	5.00			
	GDCSB021	8.50	2.50			
	GDCSB022	7.40	4.20			
	GDCSB023	5.40	3.35			
	GDCSB024	8.40	6.20			
	GDCSB025	7.40	7.30			
	GDCSB026	13.80	8.00			
	GDCSB027	3.20	34.20			
	GDCSB028	3.10	11.10			
	GDCSB029	6.30	3.50			
	GDCSB030	5.40	5.50			
	GDCSB031	31.80	3.10			
	GDCSB032	5.90	6.10			
	GDCSB033	5.30	5.10			
	GDCSB034	2.70	2.00			
	GDCSB035	22.80	8.30			
	GDCSB036	22.70	31.80			
	GDCSB037	13.20	4.80			
	GDCSB038	5.00	2.40			
	GDCSB039	7.40	7.30			
	GDCSB040	7.50	NS			
	GDCSB041	17.60	NS			
	GDCSB042	6.80	NS			
	GDCSB043	17.00	NS			
	GDCSB044	6.20	NS			
Cobalt (Co)	GDCSB045	8.00	NS	470.00	3.22	7.10
	GDCSB001	1.20	0.23			
	GDCSB002	0.92	NS			
	GDCSB003	1.20	NS			

Chemicals Detected in Zone C Grid Soil Samples

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	GDCSB004	0.57	6.00			
	GDCSB005	1.40	NS			
	GDCSB006	1.40	NS			
	GDCSB007	0.78	NS			
	GDCSB008	0.62	1.40			
	GDCSB009	1.20	1.00			
	GDCSB010	ND	7.10			
	GDCSB011	ND	NS			
	GDCSB012	0.51	0.67			
	GDCSB013	0.73	0.26			
	GDCSB014	0.75	0.38			
	GDCSB015	2.00	0.66			
	GDCSB016	1.70	NS			
	GDCSB017	1.85	NS			
	GDCSB018	ND	NS			
	GDCSB019	1.40	0.86			
	GDCSB020	1.60	ND			
	GDCSB021	0.40	0.14			
	GDCSB022	0.46	0.24			
	GDCSB023	0.57	0.20			
	GDCSB024	0.86	0.35			
	GDCSB025	2.90	1.20			
	GDCSB026	1.40	0.86			
	GDCSB027	0.35	4.40			
	GDCSB028	0.34	0.60			
	GDCSB029	0.79	0.29			
	GDCSB030	0.50	0.56			
	GDCSB031	2.30	0.34			
	GDCSB032	0.96	ND			
	GDCSB033	0.71	0.40			
	GDCSB034	0.18	0.14			
	GDCSB035	1.80	0.68			
	GDCSB036	1.70	4.70			
	GDCSB037	0.84	0.44			
	GDCSB038	1.10	ND			
	GDCSB039	0.62	0.46			
	GDCSB040	1.00	NS			
	GDCSB041	1.20	NS			
	GDCSB042	0.45	NS			
	GDCSB043	1.30	NS			
	GDCSB044	0.52	NS			
Copper (Cu)	GDCSB045	0.29	NS	310.00	34.70	42.20
	GDCSB001	39.70	0.55			
	GDCSB002	6.20	NS			
	GDCSB003	6.20	NS			
	GDCSB004	1.70	18.60			
	GDCSB005	11.80	NS			
	GDCSB006	11.90	NS			
	GDCSB007	10.90	NS			
	GDCSB008	0.81	3.70			

Chemicals Detected in Zone C Grid Soil Samples

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	GDCSB009	5.80	17.50			
	GDCSB010	2.10	31.50			
	GDCSB011	11.50	NS			
	GDCSB012	3.50	0.71			
	GDCSB013	13.15	. ND			
	GDCSB014	1.50	0.35			
	GDCSB015	15.00	3.70			
	GDCSB016	5.80	NS			
	GDCSB017	11.30	NS			
	GDCSB018	21.40	NS			
	GDCSB019	26.10	1.00			
	GDCSB020	12.50	1.30			
	GDCSB021	38.30	1.50			
	GDCSB022	4.30	ND			
	GDCSB023	14.80	0.79			
	GDCSB024	7.30	1.10			
	GDCSB025	18.40	11.40			
	GDCSB026	33.80	1.70			
	GDCSB027	ND	5.90			
	GDCSB028	3.60	1.70			
	GDCSB029	10.20	4.80			
	GDCSB030	7.90	15.50			
	GDCSB031	23.90	ND			
	GDCSB032	2.40	2.00			
	GDCSB033	5.80	ND			
	GDCSB034	1.50	ND			
	GDCSB035	16.50	5.40			
	GDCSB036	17.40	ND			
	GDCSB037	6.70	0.72			
	GDCSB038	5.40	ND			
	GDCSB039	6.50	3.00			
	GDCSB040	18.10	NS			
	GDCSB041	7.00	NS			
	GDCSB042	6.80	NS			
	GDCSB043	15.70	NS			
	GDCSB044	3.90	NS			
Iron (Fe)	GDCSB045	9.20	NS	2300.00	NA	NA
	GDCSB001	4270.00	732.00			
	GDCSB002	3280.00	NS			
	GDCSB003	4230.00	NS			
	GDCSB004	1510.00	20900.00			
	GDCSB005	6210.00	NS			
	GDCSB006	5710.00	NS			
	GDCSB007	2930.00	NS			
	GDCSB008	2140.00	4530.00			
	GDCSB009	4700.00	4700.00			
	GDCSB010	1540.00	26200.00			
	GDCSB011	2670.00	NS			
	GDCSB012	3290.00	3460.00			
	GDCSB013	2425.00	2410.00			

Chemicals Detected in Zone C Grid Soil Samples

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	GDCSB014	841.00	726.00			
	GDCSB015	6370.00	3220.00			
	GDCSB016	4170.00	NS			
	GDCSB017	7565.00	NS			
	GDCSB018	4630.00	NS			
	GDCSB019	3660.00	4280.00			
	GDCSB020	4100.00	2740.00			
	GDCSB021	2340.00	1170.00			
	GDCSB022	2190.00	2450.00			
	GDCSB023	2580.00	1760.00			
	GDCSB024	3680.00	1980.00			
	GDCSB025	3690.00	3350.00			
	GDCSB026	3990.00	3820.00			
	GDCSB027	1640.00	16500.00			
	GDCSB028	1640.00	6410.00			
	GDCSB029	2960.00	2160.00			
	GDCSB030	1750.00	2320.00			
	GDCSB031	7960.00	1390.00			
	GDCSB032	2510.00	2810.00			
	GDCSB033	2060.00	1570.00			
	GDCSB034	1440.00	1010.00			
	GDCSB035	5800.00	2975.00			
	GDCSB036	7720.00	36700.00			
	GDCSB037	3220.00	1360.00			
	GDCSB038	2400.00	1290.00			
	GDCSB039	4330.00	4180.00			
	GDCSB040	3300.00	NS			
	GDCSB041	12000.00	NS			
	GDCSB042	2800.00	NS			
	GDCSB043	5650.00	NS			
	GDCSB044	3920.00	NS			
Lead (Pb)	GDCSB045	2990.00	NS	400.00	330.00	73.20
	GDCSB001	389.00	4.30			
	GDCSB002	13.70	NS			
	GDCSB003	54.10	NS			
	GDCSB004	7.10	32.60			
	GDCSB005	14.20	NS			
	GDCSB006	7.40	NS			
	GDCSB007	17.60	NS			
	GDCSB008	2.70	8.60			
	GDCSB009	13.60	57.40			
	GDCSB010	7.00	94.60			
	GDCSB011	35.40	NS			
	GDCSB012	46.70	4.30			
	GDCSB013	109.30	4.50			
	GDCSB014	8.40	2.80			
	GDCSB015	588.00	14.90			
	GDCSB016	26.60	NS			
	GDCSB017	44.65	NS			
	GDCSB018	37.90	NS			

Chemicals Detected in Zone C Grid Soil Samples

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	GDCSB019	34.10	6.90			
	GDCSB020	88.10	5.30			
	GDCSB021	34.00	2.90			
	GDCSB022	64.70	3.70			
	GDCSB023	44.70	2.85			
	GDCSB024	77.70	7.10			
	GDCSB025	163.00	30.00			
	GDCSB026	78.00	4.80			
	GDCSB027	2.90	20.30			
	GDCSB028	9.90	6.40			
	GDCSB029	17.70	7.90			
	GDCSB030	19.00	24.80			
	GDCSB031	53.40	2.40			
	GDCSB032	17.20	11.70			
	GDCSB033	202.00	5.50			
	GDCSB034	6.50	1.90			
	GDCSB035	27.00	14.20			
	GDCSB036	121.00	9.60			
	GDCSB037	40.20	3.00			
	GDCSB038	10.50	2.50			
	GDCSB039	15.20	21.10			
	GDCSB040	25.90	NS			
	GDCSB041	37.90	NS			
	GDCSB042	47.80	NS			
	GDCSB043	304.00	NS			
	GDCSB044	74.80	NS			
Magnesium (Mg)	GDCSB045	40.10	NS	NA	NA	NA
	GDCSB001	268.00	109.00			
	GDCSB002	792.00	NS			
	GDCSB003	1080.00	NS			
	GDCSB004	248.00	3940.00			
	GDCSB005	639.00	NS			
	GDCSB006	183.00	NS			
	GDCSB007	431.00	NS			
	GDCSB008	394.00	494.00			
	GDCSB009	555.00	489.00			
	GDCSB010	184.00	3870.00			
	GDCSB011	236.00	NS			
	GDCSB012	240.00	203.00			
	GDCSB013	456.00	130.00			
	GDCSB014	432.00	144.00			
	GDCSB015	591.00	330.00			
	GDCSB016	901.00	NS			
	GDCSB017	977.00	NS			
	GDCSB018	261.00	NS			
	GDCSB019	1140.00	191.00			
	GDCSB020	462.00	299.00			
	GDCSB021	177.00	74.30			
	GDCSB022	180.00	156.00			
	GDCSB023	201.00	107.50			

Chemicals Detected in Zone C Grid Soil Samples

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	GDCSB024	282.00	69.00			
	GDCSB025	333.00	374.00			
	GDCSB026	445.00	425.00			
	GDCSB027	160.00	2480.00			
	GDCSB028	143.00	331.00			
	GDCSB029	623.00	142.00			
	GDCSB030	197.00	180.00			
	GDCSB031	2390.00	137.00			
	GDCSB032	296.00	307.00			
	GDCSB033	205.00	101.00			
	GDCSB034	130.00	62.20			
	GDCSB035	1680.00	759.50			
	GDCSB036	1930.00	1070.00			
	GDCSB037	1380.00	210.00			
	GDCSB038	1040.00	95.10			
	GDCSB039	345.00	247.00			
	GDCSB040	945.00	NS			
	GDCSB041	529.00	NS			
	GDCSB042	305.00	NS			
	GDCSB043	542.00	NS			
	GDCSB044	259.00	NS			
Manganese (Mn)	GDCSB045	232.00	NS	180.00	92.50	106.00
	GDCSB001	62.80	5.10			
	GDCSB002	48.90	NS			
	GDCSB003	53.00	NS			
	GDCSB004	72.70	502.00			
	GDCSB005	41.80	NS			
	GDCSB006	42.90	NS			
	GDCSB007	61.80	NS			
	GDCSB008	19.70	42.30			
	GDCSB009	45.50	31.70			
	GDCSB010	19.90	520.00			
	GDCSB011	32.30	NS			
	GDCSB012	37.70	18.90			
	GDCSB013	36.35	9.50			
	GDCSB014	55.20	3.20			
	GDCSB015	82.10	57.40			
	GDCSB016	69.50	NS			
	GDCSB017	80.15	NS			
	GDCSB018	16.20	NS			
	GDCSB019	73.00	72.80			
	GDCSB020	43.10	24.30			
	GDCSB021	22.20	5.00			
	GDCSB022	32.20	6.90			
	GDCSB023	23.00	8.95			
	GDCSB024	42.80	13.40			
	GDCSB025	45.30	38.00			
	GDCSB026	64.90	30.90			
	GDCSB027	11.30	40.50			
	GDCSB028	10.40	3.80			

Chemicals Detected in Zone C Grid Soil Samples

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	GDCSB029	33.30	18.10			
	GDCSB030	12.20	18.30			
	GDCSB031	53.00	11.90			
	GDCSB032	16.80	26.00			
	GDCSB033	19.00	11.40			
	GDCSB034	15.10	3.20			
	GDCSB035	45.40	33.45			
	GDCSB036	48.50	17.80			
	GDCSB037	27.60	8.60			
	GDCSB038	54.80	9.80			
	GDCSB039	25.30	15.20			
	GDCSB040	47.20	NS			
	GDCSB041	101.00	NS			
	GDCSB042	26.00	NS			
	GDCSB043	78.20	NS			
	GDCSB044	27.90	NS			
Mercury (Hg)	GDCSB045	25.70	NS	2.30	0.24	0.30
	GDCSB002	0.11	NS			
	GDCSB004	ND	0.30			
	GDCSB009	ND	0.14			
	GDCSB010	ND	8.50			
	GDCSB015	0.24	ND			
	GDCSB023	0.12	ND			
	GDCSB025	0.15	0.26			
	GDCSB026	0.11	ND			
	GDCSB027	ND	0.19			
	GDCSB028	0.13	ND			
	GDCSB029	0.11	ND			
	GDCSB030	0.11	0.18			
	GDCSB031	0.20	ND			
	GDCSB035	0.22	ND			
	GDCSB036	0.75	ND			
	GDCSB040	0.12	NS			
	GDCSB041	0.19	NS			
	GDCSB043	0.19	NS			
Nickel (Ni)	GDCSB044	0.13	NS	160.00	12.30	16.70
	GDCSB001	3.90	ND			
	GDCSB002	3.00	NS			
	GDCSB003	5.50	NS			
	GDCSB004	1.40	9.30			
	GDCSB005	4.90	NS			
	GDCSB006	27.70	NS			
	GDCSB007	1.10	NS			
	GDCSB008	1.20	3.30			
	GDCSB009	2.90	3.80			
	GDCSB010	0.54	12.50			
	GDCSB011	2.00	NS			
	GDCSB012	1.90	ND			
	GDCSB013	3.10	ND			
	GDCSB014	1.40	0.60			

Chemicals Detected in Zone C Grid Soil Samples

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	GDCSB015	5.20	2.10			
	GDCSB016	2.40	NS			
	GDCSB017	6.60	NS			
	GDCSB018	2.10	NS			
	GDCSB019	4.80	1.20			
	GDCSB020	6.10	1.40			
	GDCSB023	2.30	0.57			
	GDCSB024	2.50	ND			
	GDCSB025	3.40	4.10			
	GDCSB026	4.80	2.10			
	GDCSB027	0.82	7.40			
	GDCSB028	0.82	1.60			
	GDCSB029	1.80	0.79			
	GDCSB030	1.50	1.80			
	GDCSB031	11.60	0.68			
	GDCSB032	1.30	1.70			
	GDCSB035	7.80	3.60			
	GDCSB036	7.40	4.60			
	GDCSB037	4.30	ND			
	GDCSB038	3.30	0.75			
	GDCSB039	2.60	1.90			
	GDCSB040	4.40	NS			
	GDCSB041	3.30	NS			
	GDCSB042	2.50	NS			
	GDCSB043	4.80	NS			
	GDCSB044	1.70	NS			
Potassium (K)	GDCSB045	2.50	NS	NA	NA	NA
	GDCSB001	132.00	67.10			
	GDCSB002	283.00	NS			
	GDCSB003	490.00	NS			
	GDCSB004	180.00	2460.00			
	GDCSB005	305.00	NS			
	GDCSB006	64.60	NS			
	GDCSB007	292.00	NS			
	GDCSB008	236.00	302.00			
	GDCSB009	315.00	237.00			
	GDCSB010	144.00	2170.00			
	GDCSB011	162.00	NS			
	GDCSB012	124.00	125.00			
	GDCSB013	192.00	77.20			
	GDCSB014	141.00	103.00			
	GDCSB015	369.00	166.00			
	GDCSB016	360.00	NS			
	GDCSB017	525.00	NS			
	GDCSB018	127.00	NS			
	GDCSB019	461.00	111.00			
	GDCSB020	301.00	149.00			
	GDCSB021	83.90	55.50			
	GDCSB022	135.00	116.00			
	GDCSB023	89.40	54.95			

Chemicals Detected in Zone C Grid Soil Samples

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	GDCSB024	149.00	52.70			
	GDCSB025	160.00	160.00			
	GDCSB026	255.00	307.00			
	GDCSB027	86.60	1690.00			
	GDCSB028	118.00	253.00			
	GDCSB029	229.00	75.20			
	GDCSB030	96.80	105.00			
	GDCSB031	775.00	67.20			
	GDCSB032	155.00	153.00			
	GDCSB033	114.00	70.00			
	GDCSB034	67.90	41.30			
	GDCSB035	836.00	232.50			
	GDCSB036	752.00	615.00			
	GDCSB037	322.00	109.00			
	GDCSB038	208.00	63.60			
	GDCSB039	155.00	135.00			
	GDCSB040	276.00	NS			
	GDCSB041	295.00	NS			
	GDCSB042	178.00	NS			
	GDCSB043	344.00	NS			
	GDCSB044	162.00	NS			
Selenium (Se)	GDCSB045	108.00	NS	39.00	1.44	2.90
	GDCSB001	0.62	ND			
	GDCSB002	0.63	NS			
	GDCSB004	ND	1.50			
	GDCSB005	0.60	NS			
	GDCSB006	0.55	NS			
	GDCSB008	ND	0.69			
	GDCSB009	0.79	ND			
	GDCSB010	ND	2.00			
	GDCSB011	0.53	NS			
	GDCSB013	0.58	ND			
	GDCSB014	0.48	0.49			
	GDCSB015	1.00	0.72			
	GDCSB016	0.67	NS			
	GDCSB017	0.51	NS			
	GDCSB018	0.64	NS			
	GDCSB019	0.55	0.58			
	GDCSB020	0.71	ND			
	GDCSB023	ND	0.68			
	GDCSB025	0.78	0.77			
	GDCSB026	0.62	ND			
	GDCSB027	0.59	1.20			
	GDCSB029	0.55	ND			
	GDCSB031	1.30	ND			
	GDCSB035	ND	0.78			
	GDCSB036	1.10	2.90			
	GDCSB037	0.71	ND			
	GDCSB039	ND	0.63			
	GDCSB040	1.10	NS			

Chemicals Detected in Zone C Grid Soil Samples

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	GDCSB041	0.94	NS			
	GDCSB042	0.51	NS			
	GDCSB043	0.50	NS			
	GDCSB044	0.62	NS			
	GDCSB045	0.76	NS			
Silver (Ag)	GDCSB016	0.06	NS	39.00	NA	NA
	GDCSB018	0.05	NS			
	GDCSB043	0.06	NS			
Sodium (Na)	GDCSB002	254.00	NS	NA	NA	NA
	GDCSB003	424.00	NS			
	GDCSB004	ND	2160.00			
	GDCSB005	536.00	NS			
	GDCSB009	368.00	406.00			
	GDCSB010	ND	290.00			
	GDCSB017	729.00	NS			
	GDCSB018	142.00	NS			
	GDCSB019	ND	136.00			
	GDCSB027	108.00	125.00			
	GDCSB028	119.00	113.00			
	GDCSB029	221.00	109.00			
	GDCSB030	98.60	126.00			
	GDCSB031	583.00	133.00			
	GDCSB032	263.00	ND			
	GDCSB035	373.00	237.00			
	GDCSB036	321.00	107.00			
	GDCSB037	240.00	ND			
	GDCSB038	283.00	ND			
	GDCSB039	209.00	201.00			
Thallium (Tl)	GDCSB040	360.00	NS	0.63	NA	NA
Tin (Sn)	GDCSB036	ND	0.93	4700.00	2.95	2.37
	GDCSB001	8.10	ND			
	GDCSB002	1.00	NS			
	GDCSB003	1.10	NS			
	GDCSB004	1.30	ND			
	GDCSB005	1.20	NS			
	GDCSB006	ND	NS			
	GDCSB007	1.20	NS			
	GDCSB008	0.94	1.50			
	GDCSB009	1.70	ND			
	GDCSB010	0.92	1.60			
	GDCSB011	ND	NS			
	GDCSB012	1.30	1.30			
	GDCSB013	1.56	1.90			
	GDCSB014	0.79	ND			
	GDCSB015	1.10	ND			
	GDCSB016	0.72	NS			
	GDCSB017	ND	NS			
	GDCSB018	1.90	NS			
	GDCSB019	1.70	ND			
	GDCSB020	1.60	0.86			

Chemicals Detected in Zone C Grid Soil Samples

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	GDCSB021	1.40	1.10			
	GDCSB022	1.20	1.30			
	GDCSB023	1.60	1.65			
	GDCSB024	2.80	1.30			
	GDCSB025	2.60	.2.00			
	GDCSB026	1.40	ND			
	GDCSB027	ND	ND			
	GDCSB028	ND	ND			
	GDCSB029	ND	ND			
	GDCSB030	ND	ND			
	GDCSB031	ND	ND			
	GDCSB032	0.70	0.64			
	GDCSB033	1.30	1.10			
	GDCSB034	1.40	1.00			
	GDCSB037	0.90	0.86			
	GDCSB038	1.70	1.00			
	GDCSB039	1.40	1.50			
	GDCSB040	3.40	NS			
	GDCSB041	2.10	NS			
	GDCSB042	1.60	NS			
	GDCSB043	2.60	NS			
	GDCSB044	2.00	NS			
Vanadium (V)	GDCSB045	1.90	NS	55.00	23.40	56.90
	GDCSB001	7.30	1.50			
	GDCSB002	7.20	NS			
	GDCSB003	11.10	NS			
	GDCSB004	4.70	40.40			
	GDCSB005	8.50	NS			
	GDCSB006	4.50	NS			
	GDCSB007	5.70	NS			
	GDCSB008	5.70	11.00			
	GDCSB009	9.20	10.60			
	GDCSB010	4.70	56.90			
	GDCSB011	8.10	NS			
	GDCSB012	6.40	6.30			
	GDCSB013	8.45	5.30			
	GDCSB014	2.70	1.90			
	GDCSB015	17.10	5.90			
	GDCSB016	9.30	NS			
	GDCSB017	19.75	NS			
	GDCSB018	8.60	NS			
	GDCSB019	7.00	8.80			
	GDCSB020	9.50	4.00			
	GDCSB021	5.30	2.40			
	GDCSB022	5.60	5.20			
	GDCSB023	5.30	3.30			
	GDCSB024	8.70	3.30			
	GDCSB025	6.20	5.80			
	GDCSB026	9.50	7.10			
	GDCSB027	3.60	35.20			

Chemicals Detected in Zone C Grid Soil Samples

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	GDCSB028	3.80	16.90			
	GDCSB029	6.90	4.10			
	GDCSB030	4.00	4.70			
	GDCSB031	24.30	2.90			
	GDCSB032	5.20	5.00			
	GDCSB033	3.60	2.30			
	GDCSB034	2.80	1.70			
	GDCSB035	17.20	5.65			
	GDCSB036	19.50	51.20			
	GDCSB037	10.00	2.50			
	GDCSB038	5.20	2.70			
	GDCSB039	9.30	8.70			
	GDCSB040	7.90	NS			
	GDCSB041	25.40	NS			
	GDCSB042	8.30	NS			
	GDCSB043	15.80	NS			
	GDCSB044	8.20	NS			
Zinc (Zn)	GDCSB045	9.30	NS	2300.00	159.00	243.00
	GDCSB001	142.00	3.60			
	GDCSB002	33.10	NS			
	GDCSB003	62.50	NS			
	GDCSB004	9.60	82.30			
	GDCSB005	35.40	NS			
	GDCSB006	33.50	NS			
	GDCSB007	24.70	NS			
	GDCSB008	4.10	17.70			
	GDCSB009	19.90	49.10			
	GDCSB010	9.00	149.00			
	GDCSB011	36.40	NS			
	GDCSB012	13.40	5.00			
	GDCSB013	128.00	6.10			
	GDCSB014	9.20	1.30			
	GDCSB015	128.00	11.40			
	GDCSB016	58.50	NS			
	GDCSB017	42.30	NS			
	GDCSB018	37.60	NS			
	GDCSB019	34.40	4.70			
	GDCSB020	40.10	7.40			
	GDCSB021	40.00	3.60			
	GDCSB022	122.00	6.60			
	GDCSB023	43.60	2.80			
	GDCSB024	47.80	47.60			
	GDCSB025	135.00	58.10			
	GDCSB026	109.00	10.20			
	GDCSB027	3.40	57.50			
	GDCSB028	12.50	8.20			
	GDCSB029	414.00	17.40			
	GDCSB030	42.00	86.90			
	GDCSB031	73.10	4.80			
	GDCSB032	11.70	9.70			

Chemicals Detected in Zone C Grid Soil Samples

Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ=.1)	Surface UTL	Subsurface UTL *
	GDCSB033	88.70	26.80			
	GDCSB034	6.20	2.10			
	GDCSB035	46.00	18.10			
	GDCSB036	86.20	23.40			
	GDCSB037	23.70	.4.60			
	GDCSB038	115.00	3.00			
	GDCSB039	40.00	168.00			
	GDCSB040	779.00	NS			
	GDCSB041	27.10	NS			
	GDCSB042	15.30	NS			
	GDCSB043	138.00	NS			
	GDCSB044	23.70	NS			
	GDCSB045	17.50	NS			

Notes:
ND: Not Detected
NS: No Sample Taken/Sample Not Analyzed
NA: Not applicable
For compounds detected in both the primary and duplicate sample, the concentration for both detections are averaged and listed as one detection.
For compounds that were detected in only one of the primary or duplicate sample, the value of the detection was used.
* Surface soil samples were used for human health risk assessment for the Zone C report.

Chemicals Detected in Zone C Soil Samples
AOC 700

Name	ID	Surface Conc.	Subsurface Conc.	RBC THQ=.1)	Surface UTL	Subsurface UTL *
Volatile Organic Compounds (ug/kg)						
Trichloroethene	700SB001	ND	2.00	58000	NA	NA
	700SB002	ND	2.00			
	700SB003	3.00	ND			
Semi-volatile Compounds (ug/kg)						
2-Methylnaphthalene	700SB001	400.00	90.00	310000	NA	NA
	700SB002	290.00	46.00			
	700SB003	102.00	210.00			
	700SB004	960.00	100.00			
	700SB005	190.00	64.00			
4-Methylphenol (p-Cresol)	700SB001	42.00	ND	39000	NA	NA
Acenaphthene	700SB003	ND	460.00	4700000	NA	NA
Acenaphthylene	700SB003	57.00	ND	310000	NA	NA
Anthracene	700SB003	64.00	58.00	2300000	NA	NA
	700SB001	43.00	ND			
Benzo(a)anthracene	700SB001	140.00	55.00	880	NA	NA
	700SB002	48.00	62.00			
	700SB003	140.00	72.00			
	700SB004	110.00	ND			
	700SB005	110.00	53.00			
Benzo(a)pyrene	700SB001	120.00	52.00	88	NA	NA
	700SB002	51.00	50.00			
	700SB003	230.00	64.00			
	700SB004	69.00	ND			
	700SB005	71.00	ND			
Benzo(b)fluoranthene	700SB001	170.00	80.00	880	NA	NA
	700SB002	88.00	83.00			
	700SB003	345.00	94.00			
	700SB004	120.00	ND			
	700SB005	280.00	92.00			
Benzo(g,h,i)perylene	700SB001	79.00	ND	310000	NA	NA
	700SB003	160.00	ND			
	700SB004	60.00	ND			
	700SB005	47.00	ND			
Benzo(k)fluoranthene	700SB001	120.00	61.00	8800	NA	NA
	700SB002	56.00	68.00			
	700SB003	280.00	95.00			
	700SB004	71.00	ND			
	700SB005	170.00	81.00			
Benzoic acid	700SB001	ND	80.00	31000000	NA	NA
	700SB002	ND	120.00			
	700SB003	61.00	98.00			
	700SB004	ND	44.00			
	700SB005	78.00	51.00			
Chrysene	700SB001	230.00	91.00	88000	NA	NA
	700SB002	75.00	120.00			
	700SB003	235.00	120.00			
	700SB004	160.00	ND			
	700SB005	340.00	120.00			

Chemicals Detected in Zone C Soil Samples
AOC 700

Name	ID	Surface Conc.	Subsurface Conc.	RBC THQ=.1)	Surface UTL	Subsurface UTL
Dibenz(a,h)anthracene	700SB003	68.50	ND	88000	NA	NA
Dibenzofuran	700SB001	170.00	ND	31000	NA	
	700SB002	87.00	ND			
	700SB003	ND	130.00			
	700SB004	230.00	ND			
	700SB005	92.00	ND			
Diethylphthalate	700SB003	41.00	ND	63000000	NA	NA
	700SB001	230.00	130.00			
	700SB002	82.00	140.00			
	700SB003	160.00	150.00			
	700SB004	100.00	ND			
	700SB005	480.00	180.00			
Fluorene	700SB003	ND	120.00	310000	NA	NA
Indeno(1,2,3-cd)pyrene	700SB001	63.00	44.00	880	NA	NA
	700SB002	44.00	ND			
	700SB003	145.00	45.00			
	700SB005	48.00	ND			
Naphthalene	700SB001	300.00	49.00	310000	NA	NA
	700SB002	260.00	67.00			
	700SB003	71.00	160.00			
	700SB004	480.00	65.00			
	700SB005	110.00	ND			
Phenanthrene	700SB001	450.00	120.00	310000	NA	NA
	700SB002	180.00	120.00			
	700SB003	102.50	140.00			
	700SB004	550.00	62.00			
	700SB005	410.00	130.00			
Pyrene	700SB001	230.00	94.00	230000	NA	NA
	700SB002	76.00	120.00			
	700SB003	505.00	190.00			
	700SB004	150.00	ND			
	700SB005	360.00	140.00			
bis(2-Ethylhexyl)phthalate (BEHP)	700SB001	81.00	ND	46000	NA	NA
	700SB002	37.00	54.00			
	700SB003	53.00	51.00			
Chlorinated Pesticides (ug/kg)						
4,4'-DDD	700SB001	ND	8.10	2700	NA	NA
	700SB003	9.70	ND			
	700SB004	ND	13.00			
4,4'-DDE	700SB001	24.00	5.30	1900	NA	NA
	700SB002	28.00	4.00			
	700SB003	24.00	ND			
	700SB004	2.90	6.20			
	700SB005	61.00	25.00			
	700SB001	24.00	3.90			
4,4'-DDT	700SB002	22.00	9.40	1900	NA	NA
	700SB003	18.00	8.50			
	700SB004	ND	5.40			
	700SB005	77.00	ND			

Chemicals Detected in Zone C Soil Samples
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Name	ID	Surface Conc.	Subsurface Conc.	RBC (THQ = 1)	Surface UTL	Subsurface UTL *
	[illegible]	[illegible]	34.00			
	700SB005	26.90	9.20			
Dieldrin	700SB005	8.10	ND	40	NA	NA
Endrin	700SB003	1.70	ND	2300	NA	NA
Heptachlor	700SB003	3.20	ND	140	NA	NA
Heptachlor epoxide	700SB002	2.20	ND	70	NA	NA
alpha-Chlordane	700SB003	2.15	ND	490	NA	NA
	700SB002	6.69	ND			
gamma-Chlordane	700SB004	3.60	ND	490	NA	NA
Dioxin/Dibenzofuran (ng/kg)						
1234678-HpCDD	700SB003	147.00	NS	NA	NA	NA
1234678-HpCDF	700SB003	27.70	NS	NA	NA	NA
123478-HxCDF	700SB003	3.04	NS	NA	NA	NA
OCDD	700SB003	932.00	NS	NA	NA	NA
OCDF	700SB003	48.90	NS	NA	NA	NA
Total Hepta-Dioxins	700SB003	545.00	NS	NA	NA	NA
Total Hepta-Furans	700SB003	27.70	NS	NA	NA	NA
Total Hexa-Dioxins	700SB003	54.20	NS	NA	NA	NA
Total Hexa-Furans	700SB003	28.80	NS	NA	NA	NA
Total Penta-Furans	700SB003	17.60	NS	NA	NA	NA
Other Compounds (mg/kg)						
Cyanide (CN)	700SB001	0.15	0.20	73	NA	NA
	700SB002	ND	0.27			
	700SB003	0.14	ND			
	700SB004	0.24	0.39			
	700SB005	0.22	0.16			
Inorganic Compounds (mg/kg)						
Aluminum (Al)	700SB001	3050.00	2340.00	7800.00	9990.00	23700.00
	700SB002	3040.00	3350.00			
	700SB003	3310.00	880.00			
	700SB004	2650.00	965.00			
	700SB005	3430.00	3490.00			
Antimony (Sb)	700SB002	ND	4.70	3.10	0.55	0.92
Arsenic (As)	700SB001	9.30	17.40	0.43	14.20	14.1
	700SB002	3.20	13.00			
	700SB003	8.75	3.80			
	700SB004	3.60	2.30			
	700SB005	14.30	7.30			
Beryllium (Be)	700SB001	0.18	0.73	0.15	NA	0.98
	700SB002	0.17	0.72			
	700SB003	0.29	0.12			
	700SB004	0.14	0.10			
	700SB005	0.27	0.19			
Cadmium (Cd)	700SB001	0.42	0.19	3.90	0.65	0.28
	700SB002	0.58	0.56			
	700SB003	1.11	0.29			

Chemicals Detected in Zone C Soil Samples
AOC 700

Name	ID	Surface Conc.	Subsurface Conc.	RBC THQ=.1)	Surface UTL	Subsurface UTL *
	700SB004	0.98	0.21			
	700SB005	0.14	0.14			
Calcium (Ca)	700SB001	20000.00	1200.00	NA	NA	NA
	700SB002	80200.00	8710.00			
	700SB003	31800.00	2670.00			
	700SB004	ND	3270.00			
	700SB005	ND	3940.00			
Chromium (Cr)	700SB001	59.80	66.90	39.00	26.40	12.5
	700SB002	61.60	280.00			
	700SB003	21.35	66.60			
	700SB004	39.10	28.60			
	700SB005	224.00	140.00			
Cobalt (Co)	700SB001	1.00	1.70	470.00	3.22	7.1
	700SB002	2.40	12.80			
	700SB003	2.50	1.50			
	700SB004	0.64	0.45			
	700SB005	2.50	1.70			
Copper (Cu)	700SB001	21.00	31.30	310.00	34.70	42.2
	700SB002	4.70	53.00			
	700SB003	19.85	92.40			
	700SB004	7.50	13.80			
	700SB005	31.10	23.00			
Iron (Fe)	700SB001	2490.00	4560.00	2300.00	NA	NA
	700SB002	2030.00	8740.00			
	700SB003	4460.00	3010.00			
	700SB004	3780.00	2750.00			
	700SB005	6640.00	4340.00			
Lead (Pb)	700SB001	42.80	25.50	400.00	330.00	73.2
	700SB002	27.50	327.00			
	700SB003	54.55	58.90			
	700SB004	27.30	16.20			
	700SB005	55.30	32.10			
Magnesium (Mg)	700SB001	379.00	240.00	NA	NA	NA
	700SB002	1020.00	267.00			
	700SB003	795.50	121.00			
	700SB004	145.00	ND			
	700SB005	115.00	251.00			
Manganese (Mn)	700SB001	29.40	20.90	180.00	92.50	106
	700SB002	71.40	53.50			
	700SB003	56.55	15.40			
	700SB004	25.80	13.90			
	700SB005	44.80	45.30			
Mercury (Hg)	700SB004	0.04	ND	2.30	0.24	0.3
Nickel (Ni)	700SB001	ND	11.80	160.00	12.30	16.7
	700SB002	ND	31.00			
	700SB003	6.75	35.70			
	700SB005	6.80	5.30			
Selenium (Se)	700SB001	0.55	ND	39.00	1.44	2.9
	700SB002	ND	0.38			
	700SB003	1.60	0.42			

Chemicals Detected in Zone C Soil Samples
AOC 700

[illegible]	ID	Surface Conc.	Subsurface Conc.	RBC [illegible]	Surface [illegible]	Subsurface UTL *
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	NA
Vanadium (V)	700SB001	4.10	3.90	55.00	23.40	56.9
	700SB002	4.40	9.70			
	700SB003	9.90	2.90			
	700SB004	4.50	2.00			
	700SB005	8.10	6.20			
Zinc (Zn)	700SB001	152.00	105.00	2300.00	159.00	243
	700SB002	89.50	583.00			
	700SB003	193.00	267.00			
	700SB004	99.60	119.00			
	700SB005	309.00	209.00			

Notes:
ND: Not Detected
NS: No Sample Taken/Sample Not Analyzed
NA: Not applicable
For compounds detected in both the primary and duplicate sample, the concentration for both detections are averaged and listed as one detection.
For compounds that were detected in only one of the primary or duplicate sample, the value of the detection was used.
* Surface soil samples were used for human health risk assessment for the Zone C report.