73019

FINAL REPORT

REMOVAL ACTION
FORMER NORTH END DISPOSAL AREA

UNION WIRE ROPE FACILITY
KANSAS CITY, MISSOURI

VOLUME II
APPENDICES A THROUGH F

PREPARED FOR

ARMCO INC.
KANSAS CITY, MISSOURI

JULY 30, 1991

PROJECT NO. 90247

REMCOR, INC.
PITTSBURGH, PENNSYLVANIA

J00073475

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REMOVAL ACTION
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UNION WIRE ROPE FACILITY
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APPENDIX A

WASTE CHARACTERIZATION DATA SUMMARY

SOIL SAMPLES AND PILE SAMPLES										
NEW SAMPLE #	OLD SAMPLE #	DATE SAMPLED	DATE DATA RECEIVED	TOTAL LEAD (mg/kg)	TCLP LEAD (mg/l)	LAB	CHAIN OF CUSTODY	GRID LOCATION	QA\QC	DISPO-SITION
08-18-001-PLE	001-S	08/18/90	08/20/90	1721	NA	K.C.Test	0257	Sec. 11	Dup by -002-PLE	D
08-18-002-PLE	001R-S	08/18/90	08/20/90	1699	NA	K.C.Test	0257	Sec. 11	Dup of -001-PLE	D
08-18-003-PLE	002-S	08/18/90	08/20/90	613	NA	K.C.Test	0257	Sec. 10	-	D
08-18-004-PLE	003-S	08/18/90	08/20/90	4788	NA	K.C.Test	0257	Sec. 10	-	D
08-20-005-PLE	004-S	08/20/90	08/20/90	9776	NA	K.C.Test	0257	Secs. 4-8	-	D
08-20-006-PLE	005-S	08/20/90	08/20/90	6571	NA	K.C.Test	0257	Secs. 10-11		D
08-21-007-PLE	006-S	08/21/90	08/21/90	8048	NA	K.C.Test	0268	Sec. 11	Dup by -008-PLE	D
08-21-008-PLE	006R-S	08/21/90	08/22/90	6270	6.25(EP)	Wilson	0269	Sec. 11	Dup of -007-PLE	D
08-21-009-PLE	007-S	08/21/90	08/21/90	6173	NA	K.C.Test	0268	Sec. 10	-	D
08-21-010-PLE	008-S	08/21/90	08/21/90	5757	NA	K.C.Test	0268	Secs. 4-8	Dup by -011-PLE	D
08-21-011-PLE	008R-S	08/21/90	08/22/90	7730	2.78(EP)	Wilson	0269	Secs. 4-8	Dup of -010-PLE	D
08-21-012-PLE	009-S	08/21/90	08/21/90	3676	NA	K.C.Test	0268	Sec. 10	Dup by -013-PLE	D
08-21-013-PLE	009R-S	08/21/90	08/22/90	6390	8.05(EP)	Wilson	0269	Sec. 10	Dup of -012-PLE	D
08-22-014-PLE	016-S	08/22/90	08/22/90	1776	NA	K.C.Test	0258	Sec. 9	-	D
08-22-015-PLE	017-S	08/22/90	08/22/90	319	NA	K.C.Test	0258	Sec. 9	-	D

SOIL SAMPLES AND PILE SAMPLES										
NEW SAMPLE #	OLD SAMPLE #	DATE SAMPLED	DATE DATA RECEIVED	TOTAL LEAD (mg/kg)	TCLP LEAD (mg/l)	LAB	CHAIN OF CUSTODY	GRID LOCATION	QA\QC	DISPO-SITION
08-22-016-PLE	018-S	08/22/90	08/22/90	1511	NA	K.C.Test	0258	Sec. 9	-	D
08-22-017-PLE	019-S	08/22/90	08/22/90	1668	NA	K.C.Test	0258	Sec. 9	-	D
08-22-018-PLE	020-S	08/22/90	08/22/90	3175	NA	K.C.Test	0258	Sec. 9	-	D
08-22-019-PLE	03-01-001-SC	08/22/90	08/24/90	713	NA	K.C.Test	1861	Sec. 3	-	D
08-25-020-PLE	11-08-020-S	08/25/90	08/26/90	12383	NA	K.C.Test	1869	Secs. 9-11	-	D
08-25-021-PLE	11-08-021-S	08/25/90	08/26/90	12839	NA	K.C.Test	1869	Secs. 9-11	-	D
08-25-022-PLE	11-08-022-S	08/25/90	08/26/90	11580	NA	K.C.Test	1869	Secs. 9-11	-	D
08-26-023-PLE	FL-00-001-S	08/26/90	08/27/90	16.3	NA	K.C.Test	1868	Secs. 9-11	-	D
08-26-024-PLE	FL-00-002-S	08/26/90	08/27/90	19.7	NA	K.C.Test	1868	Secs. 9-11	-	D
08-26-025-PLE	10-06-007-S	08/26/90	08/27/90	147	NA	K.C.Test	1868	Sec. 9	-	D
08-26-026-PLE	10-06-008-S	08/26/90	08/27/90	4541	NA	K.C.Test	1868	Secs. 9-11	-	D
08-26-027-PLE	10-06-009-S	08/26/90	08/27/90	98	NA	K.C.Test	1868	Secs. 9-11	-	D
08-27-028-PLF	08-00-001-S	08/27/90	08/29/90	8313.7	2.4 (EP)	K.C.Test	1866	Secs. 4-8	-	D
08-27-029-PLC	08-00-002-S	08/27/90	08/29/90	1061.1	ND (EP)	K.C.Test	1866	Secs. 4-8	-	D
08-27-030-PLE	08-00-003-S	08/27/90	08/29/90	2957.7	.15 (EP)	K.C.Test	1866	Secs. 4-8	-	D

SOIL SAMPLES AND PILE SAMPLES										
NEW SAMPLE #	OLD SAMPLE #	DATE SAMPLED	DATE DATA RECEIVED	TOTAL LEAD (mg/kg)	TCLP LEAD (mg/l)	LAB	CHAIN OF CUSTODY	GRID LOCATION	QA\QC	DISPO-SITION
08-27-031-PLF	09-08-021-S	08/27/90	08/29/90	11936.1	.34 (EP)	K.C.Test	1866	Secs. 9-11	-	D
08-27-032-PLC	09-08-022-S	08/27/90	08/29/90	4666.6	ND (EP)	K.C.Test	1866	Secs. 9-11	-	D
08-27-033-PLE	09-08-023-S	08/27/90	08/29/90	9920.3	.62 (EP)	K.C.Test	1866	Secs. 9-11	-	D
08-27-034-PLF	09-08-024-S	08/27/90	08/29/90	7011.9	.05 (EP)	K.C.Test	1866	Sec. 9	-	D
08-27-035-PLC	09-08-025-S	08/27/90	08/29/90	985.9	ND (EP)	K.C.Test	1866	Sec. 9	-	D
08-27-036-PLE	09-08-026-S	08/27/90	08/29/90	4920	ND (EP)	K.C.Test	1866	Sec. 9	-	D
08-27-037-PLF	10-08-010-S	08/27/90	08/29/90	8520	.15 (EP)	K.C.Test	1866	Sec. 10	-	D
08-27-038-PLC	10-08-011-S	08/27/90	08/29/90	1082.4	ND (EP)	K.C.Test	1866	Sec. 10	-	D
08-27-039-PLE	10-08-012-S	08/27/90	08/29/90	1219.2	.25 (EP)	K.C.Test	1866	Sec. 10	-	D
08-27-040-PLF	10-08-013-S	08/27/90	08/29/90	2287.9	.49 (EP)	K.C.Test	1867	Secs. 10-11	-	D
08-27-041-PLC	10-08-014-S	08/27/90	08/29/90	1500.5	ND (EP)	K.C.Test	1867	Secs. 10-11	-	D
08-27-042-PLE	10-08-015-S	08/27/90	08/29/90	5288.2	.62 (EP)	K.C.Test	1867	Secs. 10-11	-	D
08-27-043-PLF	10-08-016-S	08/27/90	08/29/90	3904.3	.05 (EP)	K.C.Test	1867	Secs. 9-11	-	D
08-27-044-PLC	10-08-017-S	08/27/90	08/29/90	1809.1	.05 (EP)	K.C.Test	1867	Secs. 9-11	-	D
08-27-045-PLE	10-08-018-S	08/27/90	08/29/90	4128.7	.43 (EP)	K.C.Test	1867	Secs. 9-11	-	D

SOIL SAMPLES AND PILE SAMPLES										
NEW SAMPLE #	OLD SAMPLE #	DATE SAMPLED	DATE DATA RECEIVED	TOTAL LEAD (mg/kg)	TCLP LEAD (mg/l)	LAB	CHAIN OF CUSTODY	GRID LOCATION	QA\QC	DISPO-SITION
09-05-046-PLC	04-00-001-GR	09/05/90	09/06/90	47	NA	K.C.Test	0259	Gravel Pile	-	D
09-06-047-PLE	04-01-009-S	09/06/90	09/07/90	6178	6.5	K.C.Test	0260	Secs. 4-8	Dup by -052-PLE	D
09-06-048-PLE	10-01-030-S	09/06/90	09/07/90	21809	14	K.C.Test	0260	Secs. 10-11	Dup by -053-PLE	D
09-06-049-PLE	09-02-031-S	09/06/90	09/07/90	17791	9	K.C.Test	0260	Sec. 9	Dup by -054-PLE	D
09-06-050-PLE	09-02-032-S	09/06/90	09/07/90	7915	0.5	K.C.Test	0260	Secs. 9-11	Dup by -055-PLE	D
09-06-051-PLE	09-08-033-S	09/06/90	09/07/90	23952	12.2	K.C.Test	0260	Secs. 9-11	Dup by -056-PLE	D
09-06-052-PLE	04-01-009R-S	09/06/90	09/10/90	4670	5.8	Wilson	0261	Secs. 4-8	Dup of -047-PLE	D
09-06-053-PLE	10-01-030R-S	09/06/90	09/10/90	10020	34.7	Wilson	0261	Secs. 10-11	Dup of -048-PLE	D
09-06-054-PLE	09-02-031R-S	09/06/90	09/10/90	7200	13.1	Wilson	0261	Sec. 9	Dup of -049-PLE	D
09-06-055-PLE	09-02-032R-S	09/06/90	09/10/90	5010	4.6	Wilson	0261	Secs. 9-11	Dup of -050-PLE	D
09-06-056-PLE	09-08-033R-S	09/06/90	09/10/90	12400	144	Wilson	0261	Secs. 9-11	Dup of -051-PLE	D
09-06-057-PLE	04-01-009-S	09/06/90	09/09/90	3041	3.2	K.C.Test	0260	Secs. 4-8	Reanalysis of -047-PLE	D
09-06-058-PLE	10-01-030-S	09/06/90	09/09/90	10833	0.3	K.C.Test	0260	Secs. 10-11	Reanalysis of -048-PLE	D
09-06-059-PLE	09-02-031-S	09/06/90	09/09/90	3138	0.9	K.C.Test	0260	Sec. 9	Reanalysis of -049-PLE	D
09-06-060-PLE	09-02-032-S	09/06/90	09/09/90	4268	0.5	K.C.Test	0260	Secs. 10-11	Reanalysis of -050-PLE	D

SOIL SAMPLES AND PILE SAMPLES										
NEW SAMPLE #	OLD SAMPLE #	DATE SAMPLED	DATE DATA RECEIVED	TOTAL LEAD (mg/kg)	TCLP LEAD (mg/l)	LAB	CHAIN OF CUSTODY	GRID LOCATION	QA\QC	DISPO-SITION
09-06-061-PLE	09-08-033-S	09/06/90	09/09/90	11446	0.4	K.C.Test	0260	Secs. 9-11	Reanalysis of -051-PLE	D
09-06-062-PLE	04-01-009R-S	09/06/90	09/13/90	4670	5.7	Wilson	0261	Secs. 4-8	Reanalysis of -052-PLE	D
09-06-063-PLE	10-01-030R-S	09/06/90	09/13/90	10020	96.2	Wilson	0261	Secs. 10-11	Reanalysis of -053-PLE	D
09-06-064-PLE	09-02-031R-S	09/06/90	09/13/90	7200	10.1	Wilson	0261	Sec. 9	Reanalysis of -054-PLE	D
09-06-065-PLE	09-02-032R-S	09/06/90	09/13/90	5010	9.78	Wilson	0261	Secs. 10-11	Reanalysis of -055-PLE	D
09-06-066-PLE	09-08-033R-S	09/06/90	09/13/90	12400	177	Wilson	0261	Secs. 9-11	Reanalysis of -056-PLE	D
09-06-067-PLE	04-01-009-S	09/06/90	09/13/90	3041	NA	K.C.Test	0260	Secs. 4-8	2nd Reanalysis of -047-PLE	D
09-06-068-PLE	10-01-030-S	09/06/90	09/13/90	10833	1.94	K.C.Test	0260	Secs. 10-11	2nd Reanalysis of -048-PLE	D
09-06-069-PLE	09-02-031-S	09/06/90	09/13/90	3138	10.1	K.C.Test	0260	Sec. 9	2nd Reanalysis of -049-PLE	D
09-06-070-PLE	09-02-032-S	09/06/90	09/13/90	4268	4.9	K.C.Test	0260	Secs. 10-11	2nd Reanalysis of -050-PLE	D
09-06-071-PLE	09-08-033-S	09/06/90	09/13/90	11446	86.2	K.C.Test	0260	Secs. 9-11	2nd Reanalysis of -051-PLE	D
09-12-072-PLE	0010-S	09/12/90	09/17/90	3610	38	Pace	0262	Sec. 10	-	A
09-12-073-PLE	0020-S	09/12/90	09/17/90	9240	13.6	Pace	0262	Secs. 9-10	-	A
09-12-074-PLE	0030-S	09/12/90	09/17/90	7250	46.4	Pace	0262	Secs. 9-10	-	A
09-12-075-PLE	0040-S	09/12/90	09/17/90	7570	12.6	Pace	0262	Secs. 9-10	-	A

SOIL SAMPLES AND PILE SAMPLES										
NEW SAMPLE #	OLD SAMPLE #	DATE SAMPLED	DATE DATA RECEIVED	TOTAL LEAD (mg/kg)	TCLP LEAD (mg/l)	LAB	CHAIN OF CUSTODY	GRID LOCATION	QA\QC	DISPO-SITION
09-12-076-PLE	0050-S	09/12/90	09/17/90	8670	8.94	Pace	0262	Secs. 10-11	-	D
09-12-077-PLE	0060-S	09/12/90	09/17/90	3310	6.56	Pace	0262	Secs. 4-8	-	D
09-12-078-PLE	0070-S	09/12/90	09/17/90	5370	3.48	Pace	0262	Secs. 10-11	-	D
09-12-079-PLE	0080-S	09/12/90	09/17/90	5900	3.61	Pace	0262	Secs. 10-11	Resampled at a later time	C
09-12-080-PLE	0090-S	09/12/90	09/17/90	4260	26.4	Pace	0262	Sec. 10	-	A
09-20-081-PLE	02-07-001-S	09/20/90	09/24/90	4826	0.4	K.C.Test	1931	Sec. 2	-	D
09-20-082-PLC	09-00-034-S	09/20/90	09/24/90	4813	0.1	K.C.Test	1931	Secs. 4-11	Resampled at a later time	C
09-20-083-PLF	09-00-035-S	09/20/90	09/24/90	2293	8.1	K.C.Test	1931	Secs. 9-11	-	A
09-20-084-PLF	09-00-036-S	09/20/90	09/24/90	940	1.6	K.C.Test	1931	Secs. 4-11	Resampled as 10-23-thru (091 thru 094)-PLF	C
10-04-085-PLE	02-08-002-SP	10/04/90	10/08/90	3601	5.8	K.C.Test	0264	Sec. 2	-	A
10-04-086-PLE	10-08-000-SP	10/04/90	10/08/90	18123	25.8	K.C.Test	0264	Sec. 10	-	A
10-18-087-PLF	10-00-037-PL	10/18/90	10/22/90	16213	11.2	K.C.Test	1930	Secs. 9-11	-	A
10-19-088-PLC	10-00-038-PL	10/19/90	10/22/90	4053	8.1	K.C.Test	1930	Secs. 9-11	-	A
10-19-089-PLF	10-00-039-PL	10/19/90	10/22/90	8284	6.6	K.C.Test	1930	Secs. 9-11	-	A
10-19-090-PLC	10-00-040-PL	10/19/90	10/22/90	17430	21.2	K.C.Test	1930	Secs. 9-11	-	A

SOIL SAMPLES AND PILE SAMPLES										
NEW SAMPLE #	OLD SAMPLE #	DATE SAMPLED	DATE DATA RECEIVED	TOTAL LEAD (mg/kg)	TCLP LEAD (mg/l)	LAB	CHAIN OF CUSTODY	GRID LOCATION	QA\QC	DISPO-SITION
10-23-091-PLF	10-00-041-PL	10/23/90	10/25/90	1740	3.2	Pace	1823	Sec. 4-11	Resample of 09-20-084-PLF	A
10-23-092-PLF	10-00-042-PL	10/23/90	10/24/90	4000	52	General	1824	Sec. 4-11	Resample of 09-20-084-PLF	A
10-23-093-PLF	10-00-043-PL	10/23/90	10/24/90	2805	2.1	K.C.Test	1825	Sec. 4-11	Resample of 09-20-084-PLF	A
10-23-094-PLF	10-00-044-PL	10/23/90	10/30/90	5029	10.89	Hall-Kim	1826	Sec. 4-11	Resample of 09-20-084-PLF	A
10-24-095-PLF	10-00-045-PL	10/24/90	10/26/90	7528	31.1	K.C.Test	1827	Secs. 9-11	-	A
10-24-096-PLC	10-00-046-PL	10/24/90	10/26/90	2572	7	K.C.Test	1827	Secs. 9-11	-	A
10-27-097-PLF	10-00-047-PL	10/27/90	10/31/90	5890	47.5	K.C.Test	1829	Secs. 9-11 (Probably)	-	A
10-28-098-PLC	10-00-048-PL	10/28/90	10/31/90	2534	8.7	K.C.Test	1829	Secs. 9-11	-	A
10-29-099-PLF	10-00-049-PL	10/29/90	11/02/90	9440	68.6	K.C.Test	1828	Secs. 9-11 (Probably)	-	A
10-29-100-PLC	10-00-050-PL	10/29/90	11/02/90	2645	2	K.C.Test	1828	Secs. 9-11 (Probably)	Resampled at a later time	C
11-10-101-PLE	10-00-051-PL	11/09/90	11/10/90	5250	43.7	K.C.Test	1830	Secs. 9-11	-	A
11-10-102-PLF	10-00-052-PL	11/10/90	11/13/90	5145	50	K.C.Test	1831	Sec. 1	-	A
11-10-103-PLC	10-00-053-PL	11/10/90	11/13/90	5552	25	K.C.Test	1831	Sec. 1	-	A
11-12-104-PLF	10-00-054-PL	11/12/90	11/14/90	15645	13.4	K.C.Test	1832	Secs. 1-2	-	A
11-14-105-PLF	10-00-055-PL	11/14/90	11/16/90	7056	34.9	K.C.Test	1834	Secs. 4-5	-	A

SOIL SAMPLES AND PILE SAMPLES										
NEW SAMPLE #	OLD SAMPLE #	DATE SAMPLED	DATE DATA RECEIVED	TOTAL LEAD (mg/kg)	TCLP LEAD (mg/l)	LAB	CHAIN OF CUSTODY	GRID LOCATION	QA\QC	DISPO-SITION
11-14-106-PLC	10-00-056-PL	11/14/90	11/16/90	18340	147	K.C.Test	1834	Secs. 2-5	-	A
11-17-107-PLF	06-00-001-PL	11/17/90	11/18/90	3864	11.49	K.C.Test	1835	Secs. 5-6	-	A
11-17-108-PLC	06-00-002-PL	11/17/90	11/18/90	2950	7.2	K.C.Test	1835	Secs. 5-6	-	A
11-20-109-EPA	15-00-001-PL	11/20/90	11/27/90	1134	6.4	K.C.Test	1837	Quality Control	6.4 ppm QA/QC spike	-
11-20-110-EPA	15-00-002-PL	11/20/90	11/27/90	1115	13.1	General	1838	Quality Control	6.4 ppm QA/QC spike	-
11-20-111-EPA	15-00-003-PL	11/20/90	11/27/90	13700	5.41	Pace	1839	Quality Control	6.4 ppm QA/QC spike	-
11-20-112-EPA	15-00-004-PL	11/20/90	11/27/90	1427	9.59	Hall-Kim	1836	Quality Control	6.4 ppm QA/QC spike	-
11-20-113-PLF	06-00-003-PL	11/20/90	11/27/90	5783	22.6	K.C.Test	1840	Sec. 3	-	A
11-20-114-PLC	06-00-004-PL	11/20/90	11/27/90	35	ND	K.C.Test	1840	Sec. 3	Resampled as -117-PLC	C
11-28-115-PLF	06-00-005-PL	11/28/90	11/29/90	27770	259	K.C.Test	1842	Secs. 5-6	-	A
11-28-116-PLE	06-00-006-PL	11/28/90	11/29/90	4950	4.8	K.C.Test	1842	Secs. 1-2	Resampled as -118-PLF	D
11-30-117-PLC	06-00-007-PL	11/30/90	11/31/90	9976	30.8	K.C.Test	1843	Secs. 5-6	Resample of -114-PLC	A
11-30-118-PLF	10-00-060-PL	11/30/90	12/06/90	4990	35.6	Hall-Kim	1843	Secs. 2-6	Resample of -116-PLE	A
12-01-119-PLF	10-00-061-PL	12/01/90	12/02/90	6771	36.8	K.C.Test	1848	Secs. 8-9	-	A
12-01-120-PLC	10-00-062-PL	12/01/90	12/02/90	1978	6.8	K.C.Test	1848	Secs. 1-2	-	A

SOIL SAMPLES AND PILE SAMPLES										
NEW SAMPLE #	OLD SAMPLE #	DATE SAMPLED	DATE DATA RECEIVED	TOTAL LEAD (mg/kg)	TCLP LEAD (mg/l)	LAB	CHAIN OF CUSTODY	GRID LOCATION	QA\QC	DISPO-SITION
12-05-121-PLF	10-00-063-PL	12/05/90	12/06/90	5481	39.6	K.C.Test	1851	Secs. 5-6	-	A
12-07-122-PLF	10-00-064-PL	12/07/90	12/09/90	11300	33.3	K.C.Test	1849	Secs. 4-6	-	A
12-07-123-PLC	10-00-065-PL	12/07/90	12/09/90	3150	13.1	K.C.Test	1849	Secs. 3-6	-	A
12-09-124-PLF	10-00-066-PL	12/09/90	12/12/90	25800	117	K.C.Test	1852	Secs. 4-6	-	A
12-09-125-PLE	10-04-001-PL	12/09/90	12/12/90	903	NA	K.C.Test	1853	Secs. 5-6	Resampled as -129-PLF	C
12-12-126-PLE		12/12/90	12/15/90	32083	54.9	K.C.Test	1854 & 5	Secs. 4-5	-	A
12-12-127-PLC		12/12/90	12/15/90	4525	6.5	K.C.Test	1854 & 5	Sec. 6	-	A
12-12-128-PLF		12/12/90	12/15/90	5670	3.4	K.C.Test	1854 & 5	Sec. 10	Resampled as -131-PLF	C
12-12-129-PLF		12/12/90	12/18/90	1860	0.1	Hall-Kim	1856	Sec. 10	Resample of -125-PLE	B
12-19-130-PLF		12/19/90	12/20/90	6090	5	K.C.Test	1857	Secs. 7-8	-	A
12-19-131-PLF		12/19/90	12/21/90	2147	3.08	Hall-Kim	1858	Borrow	Resample of -128-PLF	B
01-04-132-PLE		01/04/91	01/07/91	3465	9.2	K.C.Test	1862	11D	-	A
01-04-133-PLE		01/04/91	01/07/91	50	0.1	K.C.Test	1862	Borrow	-	-
01-04-134-PLE		01/04/91	01/07/91	10	0.1	K.C.Test	1862	Borrow	-	-
01-07-135-PLE		01/07/91	01/08/91	1470	2.5	K.C.Test	1863	11D, 12C & 12D	Resampled as -136-PLE	C

SOIL SAMPLES AND PILE SAMPLES										
NEW SAMPLE #	OLD SAMPLE #	DATE SAMPLED	DATE DATA RECEIVED	TOTAL LEAD (mg/kg)	TCLP LEAD (mg/l)	LAB	CHAIN OF CUSTODY	GRID LOCATION	QA\QC	DISPO-SITION
01-08-136-PLE		01/08/91	01/10/91	1435	2.24	Hall-Kim	1864	11D, 12C & 12D	Resample of -135-PLE	B
01-08-137-PLE		01/08/91	01/09/91	3035	3.3	K.C.Test	1859	Grid 11C	Resampled as -139-PLE	C
01-09-138-PLE		01/09/91	01/11/91	11200	20.6	Hall-Kim	0263	11D, 11E	-	A
01-09-139-PLE		01/09/91	01/11/91	3560	2.05	Hall-Kim	0263	11C, 11D	Resample of -137-PLE	B
01-09-140-PLE		01/09/91	01/11/91	6200	20	K.C.Test	1878	11D, 11E	-	A
01-14-141-PLF		01/14/91	01/15/91	26775	44.2	K.C.Test	1879	4C, 4D	-	A
01-16-142-PLF		01/16/91	01/21/91	2720	38	K.C.Test	1880	3C, 3D & 4C	-	A
01-17-143-PLE		01/17/91	01/21/91	22050	13	K.C.Test	1881	7E, 7F, 8E & 8F	-	A
01-18-144-PLE		01/18/91	01/21/91	9135	7	K.C.Test	1882	6E, 6F, 7E & 7F	-	A
01-22-145-PLF		01/22/91	01/23/91	25352	23.8	K.C.Test	1884	6E & 6F	-	A
02-04-146-PLE		02/04/91	02/05/91	6595	3.1	K.C.Test	1885	9F & 10F	Resampled as -148-PLE	C
02-05-147-PLF		02/05/91	02/06/91	17630	24.1	K.C.Test	1886	9F & 10F	-	A
02-05-148-PLE		02/05/91	02/07/91	5789	12.87	Hall-Kim	1887	9F & 10F	Resample of -146-PLE	A
02-08-149-PLE		02/08/91	02/12/91	6809	5.3	K.C.Test	1888	9E, 9F & 10E	-	A
02-12-150-PLE		02/12/91	02/13/91	3490	3.3	K.C.Test	1890	9D & 10D	Resampled as -152-PLE	C

SOIL SAMPLES AND PILE SAMPLES										
NEW SAMPLE #	OLD SAMPLE #	DATE SAMPLED	DATE DATA RECEIVED	TOTAL LEAD (mg/kg)	TCLP LEAD (mg/l)	LAB	CHAIN OF CUSTODY	GRID LOCATION	QA\QC	DISPO-SITION
02-12-151-PLF		02/12/91	02/13/91	7120	4.2	K.C.Test	1890	9D & 10D	Resampled as -153-PLF	C
02-13-152-PLE		02/13/91	02/15/91	4334	9.22	Hall-Kim	1892	9D & 10D	Resample of -150-PLE	A
02-13-153-PLF		02/13/91	02/15/91	10440	197	Hall-Kim	1892	9D & 10D	Resample of -151-PLF	A
02-14-154-PLF		02/14/91	02/15/91	23000	179	K.C.Test	2401	9D	-	A
02-20-155-PLF		02/20/91	02/21/91	18080	15	K.C.Test	2402	9C & 9D	-	A
02-20-156-PLE		02/20/91	02/26/91	2899	NA	Hall-Kim	2403	10D, 10E, 11D & 11E		E
02-21-157-PLE		02/21/91	02/22/91	25300	249	K.C.Test	2404	8D & 9C	-	A
02-22-158-PLF		02/22/91	02/24/91	30628	46.1	K.C.Test	2405	8D & 9D	-	A
02-23-159-PLF		02/23/91	02/24/91	41961	19.4	K.C.Test	2406	8D	-	A
02-24-160-PLE		02/24/91	02/25/91	16000	11	K.C.Test	2408	7D & 8D	-	A
02-26-161-PLE		02/26/91	02/27/91	7060	67	K.C.Test	2411	4C & 5C	-	A
02-27-162-PLE		02/27/91	02/28/91	1095	1.3	K.C.Test	2412	9C, 9D & 8D	Resampled as -169-PLE	C
02-27-163-PLE		02/27/91	02/28/91	442	NA	K.C.Test	2412	9C, 9D & 8D	Resampled as -164-PLE	C
02-27-164-PLE		03/04/91	03/06/91	460	0.58	Hall-Kim	2415	9C, 9D & 8D	Resample of -163-PLE	B
02-27-165-PLE		02/27/91	02/28/91	11700	151	K.C.Test	2412	9C, 9D & 8D	-	A

SOIL SAMPLES AND PILE SAMPLES										
NEW SAMPLE #	OLD SAMPLE #	DATE SAMPLED	DATE DATA RECEIVED	TOTAL LEAD (mg/kg)	TCLP LEAD (mg/l)	LAB	CHAIN OF CUSTODY	GRID LOCATION	QA\QC	DISPO-SITION
03-01-166-PLE		03/01/91	03/04/91	45200	4.2	K.C.Test	2413	8C	Resampled as -167-PLE	C
03-04-167-PLE		03/04/91	03/06/91	NA	52.5	Hall-Kim	2415	8C	Resample of -166-PLE	A
03-04-168-PLF		03/04/91	03/05/91	NA	17.3	K.C.Test	2414	9C	-	A
03-04-169-PLE		03/04/91	03/06/91	NA	0.82	Hall-Kim	2415	9C, 9D & 8D	Resample of -162-PLE	B
03-05-170-PLF		03/05/91	03/06/91	1267	5.6	K.C.Test	2416	9A & 10A	Dup by -171-PLF	A
03-05-171-PLF		03/05/91	03/07/91	1193	9.23	Hall-Kim	2417	9A & 10A	Dup of -170-PLF	A
03-06-172-PLF		03/06/91	03/07/91	10835	5.4	K.C.Test	2418	9A & 9B	-	A
03-11-173-PLF		03/11/91	03/12/91	13283	38.1	K.C.Test	2419	8A & 8B	-	A
03-14-174-PLF		03/14/91	03/15/91	6850	6.2	K.C.Test	2420	7C	Dup by -175-PLF	A
03-14-175-PLF		03/14/91	03/18/91	11780	3.78	Hall-Kim	2421	7C	Dup of -174-PLF	C
03-15-176-PLE		03/15/91	03/18/91	24320	197.6	K.C.Test	2422	7C	-	A
03-18-177-PLE		03/18/91	03/19/91	NA	1.4	K.C.Test	2423	8B & 8C	Resampled as -180-PLC	C
03-18-178-PLC		03/19/91	03/20/91	1030	15	K.C.Test	2424	7C	-	A
03-19-179-PLC		03/19/91	03/20/91	5762	4.62	Hall-Kim	2425	8C	Analysis invalidated	-
03-20-180-PLC		03/20/91	03/22/91	2726	24.36	Hall-Kim	2428	8B & 8C	Resample of -177-PLE	A

SOIL SAMPLES AND PILE SAMPLES										
NEW SAMPLE #	OLD SAMPLE #	DATE SAMPLED	DATE DATA RECEIVED	TOTAL LEAD (mg/kg)	TCLP LEAD (mg/l)	LAB	CHAIN OF CUSTODY	GRID LOCATION	QA\QC	DISPO-SITION
03-20-181-PLE		03/20/91	03/21/91	1320	14.6	K.C.Test	2427	7C	Dup by -182-PLE	A
03-20-182-PLE		03/20/91	03/22/91	1350	5.64	Hall-Kim	2428	7C	Dup of -181-PLE	A
03-21-183-PLE		03/21/91	03/26/91	4755	21.2	Hall-Kim	2430	7B & 7C	Dup by -184-PLE	A
03-21-184-PLE		03/21/91	03/25/91	6800	136	K.C.Test	2429	7B & 7C	Dup of -183-PLE	A
03-24-185-PLE		03/24/91	03/26/91	7207.5	29.8	K.C.Test	2433	6E & 6F	Dup by -186-PLE	A
03-24-186-PLE		03/24/91	03/27/91	15620	40.35	Hall-Kim	2434	6E & 6F	Dup of -185-PLE	A
03-24-187-PLE		03/24/91	03/26/91	398.5	0.8	K.C.Test	2433	8F-11F	Dup by -188-PLE	B
03-24-188-PLE		03/24/91	03/27/91	454	4.09	Hall-Kim	2434	8F-11F	Dup of -187-PLE	B
04-03-189-PLE		04/03/91	04/04/91	3789	28.4	K.C.Test	2437	Unknown 7C ?	-	A
04-03-190-PLE		04/03/91	04/05/91	372	NA	Hall-Kim	2438	7F-11F	-	B
04-03-191-PLE		04/03/91	04/05/91	103	NA	Hall-Kim	2438	7F-11F	-	B
04-04-192-PLE		04/04/91	04/05/91	347	NA	Hall-Kim	2439	7F-11F	-	B
04-05-193-PLE		04/05/91	04/06/91	583	1.4	K.C.Test	2440	2C	Resampled as -194-PLE	C
04-06-194-PLE		04/06/91	04/09/91	1128	0.43	Hall-Kim	2441	2C	Resample of -193-PLE	B
04-06-195-PLC		04/06/91	04/09/91	5186	0.05	Hall-Kim	2441	1A, 1B & 1C	-	B

SOIL SAMPLES AND PILE SAMPLES										
NEW SAMPLE #	OLD SAMPLE #	DATE SAMPLED	DATE DATA RECEIVED	TOTAL LEAD (mg/kg)	TCLP LEAD (mg/l)	LAB	CHAIN OF CUSTODY	GRID LOCATION	QA\QC	DISPO-SITION
04-07-196-PLC		04/07/91	04/09/91	795	0.14	Hall-Kim	2441	1A, 1B & 1C	-	B
04-09-197-PLC		04/09/91	04/10/91	522	1.3	K.C.Test	2443	2B & 2C	-	B
04-09-198-PLE		04/09/91	04/11/91	384	<0.03	Hall-Kim	2444	2A & 2B	-	B
04-10-199-PLC		04/10/91	04/11/91	1144	<1	K.C.Test	2445	2B	Dup by -200-PLC	B
04-11-201-PLC		04/11/91	04/12/91	2450	1.3	K.C.Test	2446	3A	Dup by -202-PLC	B
04-11-203-PLC		04/11/91	04/12/91	1492	4.2	K.C.Test	2448	3C	Dup by -204-PLC	C
04-11-204-PLC		04/11/91	04/12/91	531	<0.03	Hall-Kimb	2447	3C	Dup of -203-PLC	B
03-09-197-PLC*		04/12/91	04/16/91	2831	0.61	Hall-Kimb	2452	3B	Dup by -198-PLC*	B
03-09-198-PLC*		04/12/91	04/15/91	4978	29 21	K.C.Test	2453	3B	Dup of -197-PLC* (Reanalysis)	C
04-08-199-PLC*		04/14/91	04/15/91	126	<1	K.C.Test	2454	4A & 5A	Dup by -200-PLC*	C
04-08-200-PLC*		04/14/91	04/16/91	1324	0.37	Hall-Kim	2452	4A & 5A	Dup of -199-PLC*	B
04-08-201-PLC*		04/14/91	04/16/91	4101	1.12	Hall-Kim	2452	5E	Dup by -202-PLC*	B
04-08-202-PLC*		04/14/91	04/16/91	4700	24 15	K.C.Test	2455	4A & 4B	Dup of -201-PLC* (Reanalysis)	C
04-09-203-PLC*		04/16/91	04/17/91	132	3.2	K.C.Test	2458	4B & 4C	Dup by -203-PLC*	C

SOIL SAMPLES AND PILE SAMPLES

NEW SAMPLE #	OLD SAMPLE #	DATE SAMPLED	DATE DATA RECEIVED	TOTAL LEAD (mg/kg)	TCLP LEAD (mg/l)	LAB	CHAIN OF CUSTODY	GRID LOCATION	QA\QC	DISPO-SITION
04-09-204-PLC*		04/17/91	04/18/91	4033	1.35	Hall-Kim	2457	4B & 4C	Dup of -204-PLC*	B
04-09-205-PLC*		04/17/91	04/18/91	4053	25	K.C.Test	2459	4C	Dup by -206-PLC*	C
04-09-206-PLC*		04/17/91	04/19/91	3871	3.97	Hall-Kim	2460	4C	Dup of -205-PLC*	B
04-09-207-PLC*		04/18/91	04/19/91	15000	0.6	Pace	2593	4C	Dup by -209-PLC* & -211-PLC*	C
04-09-208-PLC*		04/18/91	04/19/91	6040	3.76	Pace	2593	4A & 4B	Dup by -210-PLC* & -212-PLC*	C
04-09-209-PLC*		04/19/91	04/20/91	16485	57	K.C.Test	2595	4C	Dup of -207-PLC* & -211-PLC*	C
04-09-210-PLC*		04/19/91	04/20/91	9870	53.1	K.C.Test	2595	4A & 4C	Dup of -208-PLC* & -212-PLC*	C
04-09-211-PLC*		04/18/91	04/22/91	3101	2.15	Hall-Kim	2594	4C	Dup of -209-PLC* & -207-PLC*	B
04-09-212-PLC*		04/18/91	04/22/91	6069	1.47	Hall-Kim	2594	4A & 4B	Dup of -208-PLC* & -210-PLC*	B
	* indicates that duplicate sample numbers were erroneously made and/or that sample prefixes do not represent the date of sampling									
04-21-213-PLC		04/21/91	04/23/91	1669	1.4	K.C.Test	2461	4B & 4C	Dup by -216-PLC & -219-PLC	C
04-21-214-PLC		04/21/91	04/23/91	2104	1.8	K.C.Test	2461	4B & 4C	Dup by -217-PLC & -220-PLC	C
04-21-215-PLC		04/21/91	04/23/91	1355	3	K.C.Test	2461	5C	Dup by -218-PLC & -221-PLC	C
04-21-216-PLC		04/21/91	04/23/91	64.2	1.6	Pace	2463	4B & 4C	Dup of -213-PLC & -219-PLC	C

SOIL SAMPLES AND PILE SAMPLES										
NEW SAMPLE #	OLD SAMPLE #	DATE SAMPLED	DATE DATA RECEIVED	TOTAL LEAD (mg/kg)	TCLP LEAD (mg/l)	LAB	CHAIN OF CUSTODY	GRID LOCATION	QA\QC	DISPO-SITION
04-21-217-PLC		04/21/91	04/23/91	36	2.86	Pace	2463	4B & 4C	Dup of -214-PLC & -220-PLC	C
04-21-218-PLC		04/21/91	04/23/91	26.8	2.86	Pace	2463	5C	Dup of -215-PLC & -221-PLC	C
04-21-219-PLC		04/21/91	04/23/91	1378	1.35	Hall-Kim	2462	4B & 4C	Dup of -213-PLC & -216-PLC	B
04-21-220-PLC		04/21/91	04/23/91	1862	1.45	Hall-Kim	2462	4B & 4C	Dup of -214-PLC & -217-PLC	B
04-22-221-PLC		04/22/91	04/23/91	1758	2.54	Hall-Kim	2462	5C	Dup of -215-PLC & -218-PLC	B
04-22-222-PLC		04/22/91	04/23/91	1479	1.12	Hall-Kim	2462	5B & 5C	Dup by -223-PLC & -224-PLC	B
04-22-223-PLC		04/22/91	04/23/91	1290	20.1	Pace	2463	5B & 5C	Dup of -222-PLC & -224-PLC	C
04-22-224-PLC		04/22/91	04/23/91	1029	1.3	K.C.Test	2461	5B & 5C	Dup of -222-PLC & -223-PLC	C
04-24-225-PLC		04/24/91	04/25/91	848	0.3	K.C.Test	2565	5A & 5B	Dup by -226-PLC & -227-PLC	C
04-24-226-PLC		04/24/91	04/26/91	231	1.00	Hall-Kim	2466	5A & 5B	Dup of -225-PLC & -227-PLC	B
04-25-228-PLC		04/25/91	04/26/91	562	0.2	K.C.Test	2468	5B	Dup by -229-PLC	C
04-25-229-PLC		04/25/91	04/25/91	629	0.42	Hall-Kim	2469	5B	Dup of -228-PLC	B
04-25-230-PLC		04/25/91	04/27/91	813.8	0.2	K.C.Test	2470	5C	Dup by -231-PLC	C
04-25-231-PLC		04/25/91	04/30/91	30	0.34	Hall-Kim	2471	5C	Dup of -230-PLC	B

SOIL SAMPLES AND PILE SAMPLES										
NEW SAMPLE #	OLD SAMPLE #	DATE SAMPLED	DATE DATA RECEIVED	TOTAL LEAD (mg/kg)	TCLP LEAD (mg/l)	LAB	CHAIN OF CUSTODY	GRID LOCATION	QA\QC	DISPO-SITION
04-27-232-PLE		04/27/91	04/30/91	1208	0.36	K.C.Test	2472	5C	Dup by -233-PLC	C
04-27-233-PLE		04/27/91	04/30/91	NA	0.19	Hall-Kim	2473	5C	Dup of -232-PLC	B
04-27-234-PLE		04/27/91	04/30/91	4631	0.46	K.C.Test	2472	5C	Dup by -235-PLC	C
04-27-235-PLE		04/27/91	04/30/91	NA	1.98	Hall-Kim	2473	5C	Dup of -234-PLC	B
04-28-236-PLE		04/28/91	04/30/91	2195	0.75	K.C.Test	2472	6B & 6C	Dup by -237-PLC	C
04-28-237-PLE		04/28/91	04/30/91	NA	0.45	Hall-Kim	2473	6B & 6C	Dup of -236-PLC	B
04-28-238-PLE		04/28/91	04/30/91	5051	1.14	K.C.Test	2472	6B & 6C	Dup by -239-PLC	C
04-28-239-PLE		04/28/91	04/30/91	NA	0.03	Hall-Kim	2473	6B & 6C	Dup of -238-PLC	B
04-28-240-PLE		04/28/91	04/30/91	693	<0.1	K.C.Test	2474	6A & 6B	Dup by -241-PLC	C
04-28-241-PLE		04/28/91	04/30/91	NA	1.39	Hall-Kim	2475	6A & 6B	Dup of -240-PLC	B
04-29-242-PLE		04/29/91	05/01/91	1706	0.72	K.C.Test	2476	6C	Dup by -243-PLC	C
04-29-243-PLE		04/29/91	05/07/91	700	0.64	Hall-Kim	2477	6C	Dup of -242-PLC	B
05-01-244-PLE		05/01/91	05/03/91	2077	1.06	K.C.Test	2479	6C	Dup by -245-PLE	C

SOIL SAMPLES AND PILE SAMPLES										
NEW SAMPLE #	OLD SAMPLE #	DATE SAMPLED	DATE DATA RECEIVED	TOTAL LEAD (mg/kg)	TCLP LEAD (mg/l)	LAB	CHAIN OF CUSTODY	GRID LOCATION	QA\QC	DISPO-SITION
05-01-245-PLE		05/01/91	05/03/91	1271	0.23	Hall-Kim	2480	6C	Dup of -244-PLE	B
05-01-246-PLE		05/01/91	05/03/91	3213	1.39	K.C.Test	2479	6C	Dup by -247-PLE	C
05-01-247-PLE		05/01/91	05/03/91	1118	0.88	Hall-Kim	2480	6C	Dup of -246-PLE	B
05-01-248-PLE		05/01/91	05/03/91	4780	1.99	K.C.Test	2479	6C	Dup by -249-PLE	C
05-01-249-PLE		05/01/91	05/03/91	1847	1.72	Hall-Kim	2480	6C	Dup of -248-PLE	B
05-02-250-SLD		05/02/91	05/03/91	110	0.05	Hall-Kim	2480	10E	Floodplain Sludge	-
12-02-239-BT		06/18/91	06/19/91	309	NA	Hall-Kim	2481	12B		B

KEY
A - HAZARDOUS WASTE
B - INDUSTRIAL WASTE
C - RESAMPLED
D - SCREENED AND CONSOLIDATED WITH OTHER MATERIAL, RESAMPLED
E - WASTE CHARACTERIZATION SAMPLE TAKEN FOR DISPOSAL APPROVAL
NA - SAMPLE NOT ANALYZED FOR INDICATED PARAMETER

APPENDIX B

CHAIN-OF-CUSTODY RECORDS

REMCOR

CHAIN OF CUSTODY RECORD

0257

PROJECT NO.: 90247

PROJECT NAME: Union Wire Rope

SAMPLERS: John S. Evan 816-242-3170

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	Total Lead						REMARKS
001-S	08/18/90	15:02	SOIL	Section 11 (0-2ft)	1	✓						Emergency turnaround
001B-S	08/18/90	15:04	SOIL	Section 11 (0-2ft)	1	✓						
002-S	"	17:01	SOIL	Section 10 (1-5ft)	1	✓						
003-S	"	16:55	SOIL	Section 10 (0-2ft)	1	✓						
004-S	08/20/90	07:30	SOIL	Section (10-11)	1	✓						
005-S	08/20/90	07:35	SOIL	Section 4,5,6,7 & 18	1	✓						

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
John S. Evan	8/18/90	Carl Reinecke			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

№ 0268

PROJECT NO.: 90247

PROJECT NAME: Union Wire Rope

SAMPLERS: John S. Evan

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CON-TAINERS	Total Lead	EP Toxicity					REMARKS
006-S	08/21/90	08 45	Soil	Section 11 (0-2 ft)	1	✓	✓					Emergency turnaround
007-S	"	09:05	Soil	Section 10 (2-4 ft)	1	✓	✓					Phone first, then Fax
008-S	"	08 55	Soil	Section 4-8 (gravel)	1	✓	✓					816-242-3170
009-S	"	08 30	Soil	Section 10 (3-6 ft)	1	✓	✓					

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
John S. Evan	08/21/90 11:15	Robin Hughes			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

0269

PROJECT NO.: 90247

PROJECT NAME: Union Wire Rope

SAMPLERS: John S Evan (Wilson Labs)

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	Total Lead	EP Toxicity					REMARKS
006R-S	08/21/90	08 45	Soil	Section 11 (0-2 ft)	1	✓	✓					Emergency Response
008R-S	"	08 55	Soil	Section, 4-8 gravel	1	✓	✓					call before starting
009R-S	"	08 30	Soil	Section, 10 (3-6 ft)	1	✓	✓				phone	# 816-242-3170
010-SC	"	09:30	Soil (T-6")	Sec. 11 confirmatory core (center, 15 ft out)	1	✓ 560		5				
011-SC	"	09:30	Soil (B-6")	Sec 11 confirmo core center, 15 ft out	1	✓ 184			Grid 11B			Fax #
012-SC	"	09:50	Soil (T-6")	Sec 11 confirm core center, 45 ft out	1	✓ 5060			11B			816-242-3170
013-SC	"	09:50	Soil (B-6")	Sec 11, confirm. core center. 45 ft out	1	✓ 676			11B			
014-SC	"	10:30	Soil (T-6")	Sec 11, confirm from embankment	1	✓ 311			11B			
015-SC	"	10:30	Soil (B-6")	Sec 11, confirm from embankment	1	✓ 81.5			11B			

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
	08/21/90				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

0258

PROJECT NO.: 90247

PROJECT NAME: Union Wire Rope

SAMPLERS: John S Evan

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	Total Lead						REMARKS
016-S	08/22/90	09:30	Soil	Section 9 Acid Rinse well	1	✓						Emergency Telephone
017-S	08/22/90	09:40	Soil	Sec 9 Valve well	1	✓						316-242-3170
018-S	08/22/90	09:55	Soil	Sec 9: 7.5 Ft	1	✓						
019-S	08/22/90	10:07	Soil	Sec 9: 7.0 Ft	1	✓						
020-S	08/22/90	10:15	Soil	Sec 9: 4-7.5 Ft	1	✓						
				08/21/90								

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
John Ee	08/22/90	Eddie Herman			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

№ 1860

1 of 2

PROJECT NO.: 90247

PROJECT NAME: Union Wire Rope

SAMPLERS: John S. Evans

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CON-TAINERS	Total Lead						REMARKS
10-07-001-SC	08/23/90	16:42	Soil	Sec 10	1	✓						Emergency Turnaround
10-07-002-SC	"	16:45	"	Sec 10	1	✓						phone First
10-07-003-SC	"	16:47	"	Sec 10	1	✓						816-242-3170
10-07-004-SC	"	16:50	"	Sec 10	1	✓						then Fax
TP1-08-001-S	"	16:01	"	T. Pit 1	1	✓						816-242-3170
TP1-08-002-S	"	16:05	"	T. Pit 1	1	✓						
TP1-08-003-S	"	16:08	"	T. Pit 1	1	✓						
TP1-08-004-S	"	16:08	"	T. Pit 1	1	✓						
TP1-08-005-S	"	16:10	"	T. Pit 1	1	✓						
TP2-08-001-S	"	16:15	"	T. Pit 2	1	✓						
TP2-08-002-S	"	16:17	"	T. Pit 2	1	✓						
TP2-08-003-S	"	16:19	"	T. Pit 2	1	✓						

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
John S. E	08/24/90	Art Reimann			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

No. 1861

PROJECT NO.: 90247

PROJECT NAME: Union Wire Rope

SAMPLERS: John S. Evan

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	Total Lead						REMARKS
1P3-08-004-S	08/23/90	16:25	Soil	T Pit 3	1	✓						Emergency Turnaround
1P3-08-002-S	"	16:26	"	T Pit 3	1	✓						Phone First
1P3-08-003-S	"	16:28	"	T Pit 3	1	✓						816-242-3170
1P3-08-004-S	"	16:29	"	T Pit 3	1	✓						Fax
11-09-001-SC	"	17:02	"	Sec 11	1	✓						816-242-3170
11-09-002-SC	"	17:07	"	Sec 11	1	✓						
11-08-003-SC	"	17:09	"	Sec 11	1	✓						
11-08-004-SC	"	17:12	"	Sec 11	1	✓						
09-07-001-SC	"	16:25	"	Sec 9	1	✓						
09-07-002-SC	"	16:29	"	Sec 9	1	✓						
09-07-003-SC	"	16:31	"	Sec 9	1	✓						
03-01-001-S	8/22/90	13:23	"	Sec 3	1	✓						

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
John S. Evan	08/24/90	Art Reimann 8/24			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

No. 1869

PROJECT NO.: 90247

PROJECT NAME: Union Wire Rope

SAMPLERS:

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	Total Lead						REMARKS
11-08-016-SC	08/25/90	14:30	Soil	Sect 11 btm core T6	1	✓						Emergency
11-08-017-SC	"	14:35	"	Sect 11 btm core B6	1	✓						Turnaround
11-08-018-SC	"	14:40	"	Sect 11 bnk core T6	1	✓						
11-08-019-SC	"	14:45	"	Sect 11 bnk core B6	1	✓						phone First
11-08-020-S	"	14:15	"	Sect 10-11 (2-8 ft)	1	✓						- 242-3170
11-08-021-S	"	14:17	"	Sect 10-11 (2-8 ft)	1	✓						then Fax
11-08-022-S	"	14:19	"	Sect 10-11 (2-8 ft)	1	✓						242-3170

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
[illegible]	08/25/90 K.20	Art Reemann 8/25			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

No 1868

PROJECT NO.: 90247

PROJECT NAME: Union Wire Rope

SAMPLERS: John S. Evan

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	Total Lead						REMARKS
FL-00-001-S	8/26/90	14:05	Soil	Fill Material	1	✓						Phone First
FL-00-002-S	"	14:10	"	Fill Material	1	✓						242-3170
10-06-007-S	"	14:20	"	Section 11, clay Acid Rinse ~~comp waste~~	1	✓						Fax 242-3170
10-06-008-S	"	14:25	"	Sect 9-11, comp waste	1	✓						Emergency Turnaround
10-06-009-S	"	14:35	"	Sect 11, embankment	1	✓						

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
John S. Evan	08/26/90	Art Reimann			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

№ 1866

1 of 2

PROJECT NO.: 90247

PROJECT NAME: Union Wire Rope

SAMPLERS: John S. Evan

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	EP Tox (Pb)	TCLP					REMARKS
08-00-001-S	08/27/90	12:05	Soil	Sect 4-8 (Pass)	1	✓						Phone #
08-00-002-S	"	12:05	"	Sect 4-8 (Return)	1	✓						412-967-5294
08-00-003-S	"	12:05	"	Sect 4-8 (Comp)	1	✓						Fax #
09-08-021-S	"	12:25	"	Sect 9-11, (2-8 ft) (Pass)	1	✓						412-967-5252
09-08-022-S	"	12:25	"	Sect 9-11, (2-8 ft) (Return)	1	✓						Remcor, Pittsburgh PA
09-08-023-S	"	12:25	"	Sect 9-11, (2-8 ft) (Comp)	1	✓						
09-08-024-S	"	12:45	"	Sect 9, Acid Rinse (Pass)	1	✓						
09-08-025-S	"	12:45	"	Sect 9, Acid Rinse (Return)	1	✓						
09-08-026-S	"	12:45	"	Sect. 9, Acid Rinse (Comp.)	1	✓						
10-08-010-S	"	13:08	"	Sect 10, 2-4 ft, Pass	1	✓						
10-08-011-S	"	13:08	"	Sect 10, 2-4 ft, Return	1	✓						
10-08-012-S	"	13:08	"	Sect 10, 2-4 ft, Comp	1	✓						

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
John S. Evan	08/27/90	C. Reimann			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

No. 1867

2 of 2

PROJECT NO.: 90247

PROJECT NAME: Union Wire Rope

SAMPLERS: John S. Evan

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	EP Tox (Pb)	TCLP					REMARKS
10-08-013-S	08/27/90	13:17	Soil	Sect 10-11, 0-2 Ft Pass	1	✓						Phone #
10-08-014-S	"	13:17	"	Sect 10-11, 0-2 Ft Retain	1	✓						412-967-5294
10-09-015-S	"	13:17	"	Sect 10-11, 0-2 Ft Composite	1	✓						Fax #
10-08-016-S	"	13:27	"	Sect 9-11, 2-4 Ft, Pass	1	✓						412-967-5252
10-08-017-S	"	13:27	"	Sect 9-11, 2-4 Ft, Retain	1	✓						
10-09-018-S	"	13:27	"	Sect 9-11, 2-4 Ft, Comp	1	✓						

A. Reimann

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
John S. Evan	08/27/90	A. Reimann			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

0259

PROJECT NO.:

PROJECT NAME: Union Wire Rope

SAMPLERS: John S Evan

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CON-TAINERS	Total Lead	EP Tox					REMARKS
SA-00-001-GR	04/05/90	15:55	Soil	Gravel Pile	1	✓	✓					Emergency Turnaround
												Call First
												816-242-3170
												Then Fax
												816-242-3170

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
John S Evan	04/05/90	Carl Remuna			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

No. 0260

PROJECT NO.: 10247

PROJECT NAME: Union Wire Rope

SAMPLERS: John S Evan (Wilson Test)

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	Tot. Lead	EP Tox					REMARKS
04-01-029-S	06/06/90	10:15	Soil	Sect 4-8, gravel cover	1	✓	✓					Emergency turnaround
10-01-030-S	"	10:22	"	Sect 10-11, top 1 Ft of cover	1	✓	✓					316-242-3170
04-02-031-S	"	10:29	"	Sect 4, 0-2 Ft of material	1	✓	✓					- phone first,
04-02-032-S	"	10:40	"	Sect 4-11, gravel cover	1	✓	✓					then fax results
04-03-033-S	"	10:51	"	Sect 4-11 2-8 Ft fill material	1	✓	✓					Fax 316-242-3170

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
John S Evan	06/06/90 11:50	Robert Smith			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

#6627

GS-1

REMCOR

CHAIN OF CUSTODY RECORD

0261

PROJECT NO.: 90247

PROJECT NAME: Union Wire Rope

SAMPLERS: John S Evan (Wilson)

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	Total Lead	EP Tox					REMARKS
04-01-026R-S	09/06/90	10:15	Soil	Sect 4-8 gravel cover	1	✓	✓					Emergency Turnaround
04-01-030R-S	"	10:22	"	Sect 10-11, top 1 ft gravel cover	1	✓	✓					- phone first
04-02-031R-S	"	10:29	"	Sect 9, 0-2 ft of Fill/cover	1	✓	✓					+ 816-242-3170
04-02-032R-S	"	10 40	"	Sect 9-11, gravel cover	1	✓	✓					then Fax results
04-02-033R-S	"	10 51	"	Sect 9-11, 2-4 ft Fill material	1	✓	✓					816 + 242-3170

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
John S Evan	09/07/90 08:55	Julie Truhlar		9/7/90 0900	
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

0262

PROJECT NO.: 10247

PROJECT NAME: Union Wire Rope.

SAMPLERS: John S. Evan (PACE)

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	Tot Zinc	Tot Copper	Tot Nickel	EP Tox Zn	EP Tox Cu	EP Tox Ni	REMARKS
0010-S	09/12/90	16:19	Soil	1	1	✓	✓	✓	✓	✓	✓	Emergency turnaround
0020-S	"	16:23	"	2	1	✓	✓	✓	✓	✓	✓	Call First when results
0030-S	"	16:27	"	3	1	✓	✓	✓	✓	✓	✓	are ready 816-242-3170
0040-S	"	16:31	"	4	1	✓	✓	✓	✓	✓	✓	then Fax the results
0050-S	"	16:37	"	5	1	✓	✓	✓	✓	✓	✓	same # 816-242-3170
0060-S	"	16:42	"	6	1	✓	✓	✓	✓	✓	✓	Attn John S. Evan
0070-S	"	16:49	"	7	1	✓	✓	✓	✓	✓	✓	
0080-S	"	17:00	"	8	1	✓	✓	✓	✓	✓	✓	
0090-S	"	17:05	"	9	1	✓	✓	✓	✓	✓	✓	

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
John [illegible]	9/12/90 17:05	[illegible]			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

№ 1931

PROJECT NO.: 90247

PROJECT NAME: UNION WIRE ROPE

SAMPLERS: John S. Evan

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	TCLP Pb	TCLP Zn	Total Pb	Total Zn			REMARKS
02-07-001-S	09/20/90		Soil	Section 2, 0-7 Ft	1	✓	✓	✓	✓			Emergency Turnaround
09-00-034-S	09/20/90		Soil	Section 4	1	✓	✓	✓	✓			Phone First
09-00-035-S	09/20/90		Soil	Section 5	1	✓	✓	✓	✓			816-242-3170
09-00-036-S	09/20/90		Soil	Section 3	1	✓	✓	✓	✓			then Fax results
												816-242-3170

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
John S. Evan	09/20/90 14:15	Cat Reimann			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

0264

PROJECT NO.: 90247

PROJECT NAME: Union Wire Rope

SAMPLERS: John S. Evan

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	Total Pb, Zn	TCLP Pb, Zn					REMARKS
02-08-002-SP	10/04/90	14:57	Soil	Section 2	1	✓	✓					Emergency Turnaround
10-08-000-SP	10/04/90	15:02	Soil	Section 10	1	✓	✓					816-242-3170

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
John S. Evan	10/4/90 3:45	Cathermann			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

NR 1930

PROJECT NO.: 90247

PROJECT NAME: UNION WIRE ROPE

SAMPLERS: John S. Evan

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	Total Lead	TCLP Lead	Total Zinc	TCLP Zinc			REMARKS
10-00-037-PL	10/14/90	10:17	Soil	Sect 9-11	1	✓	✓	✓	✓			Emergency Turnaround
10-00-038-PL	10/14/90	12:01	Soil	Sect - 9-11	1	✓	✓	✓	✓			Phone First
10-00-039-PL	10/14/90	12:04	Soil	Sect 9-11	1	✓	✓	✓	✓			816-242 3170
10-00-040-PL	10/14/90	12:07	Soil	Sect 9-11	1	✓	✓	✓	✓			Fax
												816-242-3170

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
John S. Evan	10-19-90 1:00pm	Art Reimann			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
	/				
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

0266

PROJECT NO.: 90247

PROJECT NAME: (ARMCO) UNION WIRE ROPE

SAMPLERS: STEVEN E. ARNOLD

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CON-TAINERS	LEAD	BLANK					REMARKS
101911	10/19/90	17:20	AIR "LEAD DUST"	NORTH WEST END OF SITE. "WIND DIRECTION"	1	✓						24 hr. TURN-AROUND
101912	10/19/90	17:20	AIR "LEAD DUST"	SOUTH WEST END OF SITE. "SHAKER OPERATION"	1	✓						24 hr. TURNAROUND
101913	10/19/90	17:20	BLANK	OFFICE TRAILER	1		✓					24 hr. TURNAROUND
												PLEASE FAX RESULTS
												AS SOON AS POSSIBLE
												- FAX AND PHONE ARE
												SAME LINE; PLEASE
												CALL FIRST, SO WE MAY
												CONVERT PHONE OVER TO
												FAX MACHINE.
												#816-242-3170

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
Steven E. Arnold	10/20/90 8:30				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

5-1756

REMCOR

CHAIN OF CUSTODY RECORD

№ 1823

Pace Labs.

PROJECT NO.: 90247

PROJECT NAME: Union Wire Rope

SAMPLERS: John S. Evan / Tim Henderson

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	Total Lead	TCLP Lead					REMARKS
10-00-041-A	10/23/90	10:15	Soil	Duplicate of Non-Haz screened	1	✓	✓					Emergency Turnaround phone first 816-242-3170 then fax results 816-242-3170

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
John Henderson	10/23/90 1328	[illegible]			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

№ 1827

PROJECT NO.: 90247

PROJECT NAME: Union Wire Rope c/o Armco

SAMPLERS: John S. Evan

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CON-TAINERS	Total Lead	Total Zinc	TCLP Lead	TCLP Zinc			REMARKS
10-00-045-A	16:15	10/24/90	Soil	Sect 9-11, Fines	1	✓	✓	✓	✓			Phone first before
10-00-046-A	16:21	10/24/90	Soil	Sect 9-11, coarse	1	✓	✓	✓	✓			results are Faxxed
												816-242-3170
												the Fax results
												816-242-3170
												Emergency Turnaround

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
John S. Evan	10/25/90 10:55	[illegible]			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

No. 1829

PROJECT NO.: 90247

PROJECT NAME: Union Wire Rope

SAMPLERS: John S. Evan

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	Total Lead	Total Zinc	TCLP Lead	TCLP Zinc			REMARKS
10-00-046-PL	10/27/90	18:00	Soil	Fines, 10/26-10/27	1	✓	✓	✓	✓			Emergency Turnaround
10-00-047-PL	10/28/90	12:02	Soil	Course 10/26-10/28	1	✓	✓	✓	✓			Phone before sending
												Fax 816-242-3170
												Then fax results
												816-242-3170

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
John S. Evan	10/28/90				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

No. 0267

PROJECT NO.: 90247

PROJECT NAME: (ARMCO) UNION WIRE ROPE

SAMPLERS: STEVEN E ARNOLD

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	LEAD	BLANK					REMARKS
102714	10-29-90	17:40	AIR "LEAD DUST"	NORTHWEST END OF SITE "WIND SHAFER OPERATION"	1	✓						LEAD ANALYSIS NIOSH METHOD 7082 24 HR. TURN AROUND
102715	10-27-90	17:40	AIR "LEAD DUST"	NORTHWEST END OF SITE "WIND DIRECTION"	1	✓						LEAD ANALYSIS NIOSH METHOD 7082 24 HR. TURN AROUND
102716	10-27-90	17:40	BLANK	OFFICE TRAILER	1		✓					24 HR. TURN AROUND
												PLEASE FAX RESULTS
												A-S-A-P. FAX AND
												PHONE ARE SAME LINE;
												PLEASE CALL FIRST.
												# 816-242-3170

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
Steven E Arnold	10-29-90 07:00				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

No. 1828

PROJECT NO.: 90247

PROJECT NAME: Union Wire Rope

SAMPLERS: John S. Evan

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	Total Lead	Total Zinc	TCLP Lead	TCLP Zinc			REMARKS
10-00-049-A	10/29/90	16:58	Soil	Screened Fines 10/28-10/29	1	✓	✓	✓	✓			Emergency Turnaround
10-00-050-A	10/29/90	17:01	Soil	Screened Coarse 10/28-10/29	1	✓	✓	✓	✓			phone before you fax
												results 816-242-3170
												then fax results:
												816-242-3170

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
John S. Evan	10/30/90	[illegible]			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

№ 1830

PROJECT NO.: 90247

PROJECT NAME: Union Wire Rope

SAMPLERS: John S. Evan

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	Total Lead	Total Zinc	TCLP Lead	TCLP Zinc			REMARKS
10-00-061-PL	11/09/90	08:45	Soil/Dust	Sect. 9-11,	1	✓	✓	✓	✓			Emergency Turnaround
												816-242-3170 phone
												before you fax results,
												then fax results
												816-242-3170

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
John S. Evan	11/09/11 08:45	A Reimann 9:45am			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

NO. 1831

PROJECT NO.: 90247

PROJECT NAME: Union Wire Rope

SAMPLERS: John S. Evan

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	Total Lead	TCLP Lead					REMARKS
10-00-052-PL	11/10/90	12:40	Soil	Fines, Section 1	1	✓	✓					Emergency Turnaround
10-00-053-PL	11/10/90	12:40	Soil	Course, Section 1	1	✓	✓					Phone first before
												you fax results
												242-3170

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
John S. Evan	11/10/90 13:10	[illegible signature] 1:10 PM			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

№ 1832

PROJECT NO.: 90247

PROJECT NAME: Union Wire Rope

SAMPLERS: John S. Evan

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CON-TAINERS	Total Lead	TCLP Lead					REMARKS
10-00-054-R	11/12/90	12:31	Soil	Sect 1-2, Fines, 0-4ft composited	1	✓	✓					Emergency Turnaround 816-242-3170 Phone before you Fax results

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
John S. Evan	11-12-90 1:30	Earl Richards			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY: 11-12-90 1:30	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

No. 1833

PROJECT NO.: 90247

PROJECT NAME: Union Wire Rope

SAMPLERS: John S Evan

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	Total Lead						REMARKS
01-05-001-SC	10/12/90	16:15	Soil	Sect 1, contm, top 6"	1	✓						Emergency turnaround
01-05-002-SC	11/12/90	16:20	Soil	Sect 1, contm, btm 6"	1	✓						Phone before you
02-05-001-SC	11/12/90	16:25	Soil	Sect 2, contm, top 6"	1	✓						for results
02-05-002-SC	11/12/90	16:30	Soil	Sect 2, contm, btm 6"	1	✓						816-242-3170

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
John S Evan	11/13/90 13:29	Robert Smith			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

№ 1834

PROJECT NO.: 90247

PROJECT NAME: Union Wire Rope

SAMPLERS: John S Evan

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CON-TAINERS	Total Lead	TCLP Lead					REMARKS
10-00-055-PL	11/14/90	15:33	Soil	Sect 4-5, Fines, screened 11/12 - 11/14	1	✓	✓					Emergency Turnaround
10-00-056-PL	11/14/90	15:37	Soil	Sect 2-5, coarse screened, 11/11 - 11/14	1	✓	✓					Phone First, then Fax
												results
												816-242-3170

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
[signature]	11-15-90 8:00p	[signature]			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

NO. 1835

PROJECT NO.: 90247

PROJECT NAME: Union Wire Rope

SAMPLERS: John S. Evan

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	Total Pb	TCLP Pb					REMARKS
06-00-001-A	11/17/90	06:51	Soil	Sect 5-6, Fines, 11V14-11V16	1	✓	✓					Emergency Turnaround,
06-00-002-A	11/17/90	06:57	Soil	Sect 5-6, coarse	1	✓	✓					Phone First, then
												Fax results
												816-242-3170

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
John S Evan	11/17/90 9:40a	Carl Reichmann			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD № 1837

PROJECT NO.: 90247

PROJECT NAME: Union Wire Rope

SAMPLERS: John S. Evan (K.L. Testing)

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CON-TAINERS	Total Pb	TCLP Pb					REMARKS
15-00-001-A	11/20/90	10:01	Soil	Sect 15	1	✓	✓					Emergency Turnaround
												816-242-3170
				Need by 11-27-90								

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
John S. Evan		Paul Richards			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD 1838

PROJECT NO.: 90247

PROJECT NAME: Union Wire Rope

SAMPLERS: John S. Evan (General Testing)

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CON-TAINERS	Total Pb	TCLP Pb					REMARKS
15-00-002-A	11/20/90	10:01	Soil	Sect 15	1	✓	✓					Emergency Turnaround
												816-242-3170
												Phone First, then Fax
												results
												Remcor Inc
												701 Alpha Drive
												Pittsburgh PA 15238
												412-963-1106

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
John S. Evan	11/20/90 10:55	[illegible]			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

№ 1839

PROJECT NO.: 90ZA7

PROJECT NAME: Union Wire Rope

SAMPLERS: John S. Evan (Pace Labs)

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	Total Pb	TCLP Pb					REMARKS
15-00-005-A	10/20/90	10:01	Soil	Sect 15	1	✓	✓					Emergency Turnaround
												Phone first, then
												Fax results
												816-242-3170
												Remcor Inc
												701 Alpha Drive
												Pittsburgh, PA 15238
												412-963-1106

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
John S. Evan	11/20/90 14:05	Pamela Presley			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

№ 1836

PROJECT NO.: 90247

PROJECT NAME: Union Wire Rope

SAMPLERS: John S Evan (Hall Kimbrell)

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CON-TAINERS	Total Pb	TCLP Pb					REMARKS
15-00-00A-Pb	11/20/90	10:01	Soil	Sect 15	1	✓	✓					Emergency Turnaround -Phone First, the Fax results 816-242-3170
												Remcor Inc 701 Alpha Drive Pittsburgh, PA 15238 412-963-1106

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
John S Evan	11/20/90 15:00	Jan Sec 11/20/90 3 pm			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

No 1840

PROJECT NO.: 90247

PROJECT NAME: Union Wire Rope

SAMPLERS: John S. Evans

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CON-TAINERS	Total Lead	TCLP Lead					REMARKS
03-00-003-SL	11/20/90	11:15	Soil	Sect 3, top 6"	1	✓						Emergency Turnaround
03-00-004-SL	11/20/90	11:20	Soil	Sect 3, btm 6"	1	✓						Phone first, then fax
06-00-003-PL	11/20/90	11:05	Soil	Sect 5-6, fines	1	✓	✓					results
06-00-004-PL	11/20/90	11:10	Soil	Sect 5-6, course	1	✓	✓					816-242-3170
												- Results on
												(11/27/90), not before

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
John S. Evans	11-20 4:00 PM	Edward Herrera			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

№ 1842

PROJECT NO.: 90247

PROJECT NAME: Union Wire Rope

SAMPLERS: John S. Evan

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CON-TAINERS	Total Lead	TCLP Lead					REMARKS
06-00-005-QL	11/28/90	17:20	Soil	Sect 5 and 6, 11/17 and 11/28-11/29	1	✓	✓					
06-00-006-QL	11/28/90	17:20	Soil	Sect 1 and 2 excavated on 11/28-11/29	1	✓	✓					

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
John S. Evan	11-28-90 5:50pm	Earl Richards			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

No. 1848

PROJECT NO.: 90247

PROJECT NAME: Union Wire Rope

SAMPLERS: John S Evan

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CON-TAINERS	Total Lead	TCLP Lead					REMARKS
10-00-061-PL	12/01/90	8:24	Soil	Pile on Sect 8-11, excavated (3-5)	1	✓	✓					Emergency Turnaround
10-00-062-PL	12/01/90	13:10	Soil	Section 1-2, screened Fines	1	✓	✓					816-242-3170

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
John S Evan	12/01/90 1:45	Art Reckmann			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

No. 1850

PROJECT NO.: 90247

PROJECT NAME: Union Wire Rope

SAMPLERS: John S. Evan

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	Total Lead						REMARKS
S1T6 01-06-001-SL	12/02/90	9:40	Soil	Sect 1, Grid 1D, Top		✓						Emergency Turnaround
S1B6 01-06-002-SL	12/02/90	9:50	"	Sect 1, Grid 1D, Btm		✓						816-242-3170
S2T6 02-06-003-SL	12/02/90	10:20	"	Sect 2, Grid 2D, Top 6"		✓						
S2B6 02-06-004-SL	"	10:30	"	Sect 2, Grid 2D, Btm 6"		✓						
S3T6 03-06-005-SL	"	10:50	"	Sect 3, Grid 3D, Top 6"		✓						
S3B6 03-06-006-SL	"	11:00	"	Sect 3, Grid 3D, Btm 6"		✓						

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
John S. E	12/3/90 1000	Carl Richards			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

No. 1851

PROJECT NO.: 90247

PROJECT NAME: Union Wire Rope

SAMPLERS: John S. Evan

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	Total Lead	TCLP Lead					REMARKS
04-06-001-SL	12/05/90	13:27	Soil	Sect 4, Grid 4E, Top 6"	1	✓						Emergency Turnaround
04-06-002-SL	12/05/90	13:34	Soil	Sect 4, Grid 4E, Btm 6"	1	✓						816-242-3170
05-06-001-SL	12/05/90	13:45	Soil	Sect 5, Grid 5E, Top 6"	1	✓						Phone First, then
05-06-002-SL	12/05/90	13:52	Soil	Sect 5, Grid 5E, Btm 6"	1	✓						Fax results
10-00-063-DL	12/05/90	15:25	Soil	Sect 5-6, Fines, 12/03-12/05	1	✓	✓					

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
John S. Evan	12-5-90 3:40	[illegible]			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

NO. 1849

PROJECT NO.: 90247

PROJECT NAME: Union Wire Rope

SAMPLERS: John S. Evan

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	Total Lead	TCLP Lead					REMARKS
10-00-064-A	12/07/90	15:21	Soil	Screened Fines	1	✓	✓					Emergency Turnaround
10-00-065-A	12/07/90	15:27	Soil	Screened Coarse	1	✓	✓					816-242-3170

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
John S. Evan	12/ /90	Robert C. Smith			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

№ 1852

PROJECT NO.: 90247

PROJECT NAME: Union Wire Rope

SAMPLERS: John S Evan

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CON-TAINERS	Total Lead	TCLP Lead					REMARKS
04-06-003-SC	12/04/90	13:30	Soil	Sect 4, GRID 4E, T6"	1	✓						Emergency Turnaround
04-06-004-SC	"	13:40	"	Sect 4, GRID 4E, B6"	1	✓						816-242-3170
04-07-005-SC	"	13:50	"	Sect 4, GRID 4D, T6"	1	✓						
04-07-006-SC	"	14:00	"	Sect 4, GRID 4D, B6"	1	✓						
05-07-003-SC	"	14:10	"	Sect 5, GRID 5D, T6"	1	✓						
05-07-004-SC	"	14:20	"	Sect 5, GRID 5D, B6"	1	✓						
10-00-066-RC	"	13:20	"	Screened Fines, sect 6 12/08/90 - 12/09/90	1	✓	✓					

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
John S Evan	12/09/90	Peter T Smith			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

No. 1853

PROJECT NO.: 90247

PROJECT NAME: Union Wire Rope

SAMPLERS: John S. Evan

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	Total Lead						REMARKS
10-04-001-PL	12/10/90	15:30	Soil	Sect 10, Soil, 0-4ft	✓	✓						Emergency Turnaround 816-242-3170

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
John S. Evan	12/10/90 12:40	Gerard Herrera			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

No 1854 1 of 2

PROJECT NO.: 90247

PROJECT NAME: Union Wire Rope

SAMPLERS: John S. Evan

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CON-TAINERS	Total Lead						REMARKS
03-07-044-BT	12/12/90	15:10	Soil	Sect 3, Grid E, T6"	1	✓						Emergency Turnaround,
03-07-045-BT	"	15:20	Soil	Sect 3, Grid E, B6"	1	✓						phone First,
04-07-046-BT	"	15:30	"	Sect 4, Grid E, T6"	1	✓						then Fax results
04-07-047-BT	"	15:40	"	Sect 4, Grid E, B6"	1	✓						816-242-3170
05-07-048-BT	"	15:50	"	Sect 5, Grid E, T6"	1	✓						
05-07-049-BT	"	16:00	"	Sect 5, Grid E, B6"	1	✓						
10-04-050-BT	"	16:10	"	Sect 10, Grid E, T6"	1	✓						
10-04-051-BT	"	16:20	"	Sect 10, Grid E, B6"	1	✓						
10-06-052-BT	"	16:30	"	Sect 10, Grid D, T6"	1	✓						
10-06-053-BT	"	16:40	"	Sect 10, Grid D, B6"	1	✓						
09-08-054-BT	"	16:50	"	Sect 9, Grid E T6"	1	✓						
09-08-055-BT	"	17:00	"	Sect 9, Grid E, B 6"	1	✓						

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
John S. Evan	12/13/90 2:00pm	[illegible signature]			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

NO. 1857

PROJECT NO.: 90247

PROJECT NAME: Union Wire Rope

SAMPLERS: John S. Evan (K.C. Testing)

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	Total Lead	TCLP Lead					REMARKS
-130 12-19-120-NF	12/19/90	10:15	Soil	Sect 7 and 8, Fines	1	✓	✓					Emergency Transport RA2-3170

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
John S. Evan	12/19/90 12:45	Art Reimann			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

№ 1859

PROJECT NO.: 90247

PROJECT NAME: Union Wire Rope

SAMPLERS: John S. Evan

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CON-TAINERS	Total Pb	TCLP Pb					REMARKS
137 01-08-135 -PLE	01/08/91	10:19	Soil	Gnd llc, 5ft depth	1	✓	✓					Emergency Turnaround
												816-242-3170
												phone first before
												you fax results

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
John S. Evan	01/08/91	Cynthia Kauger			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

No. 0263

PROJECT NO.: 90241

PROJECT NAME: Union Wire Rope

SAMPLERS: John S Evan (Hall-Kimbrell)

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	Total Pb	TCLP Pb					REMARKS
-138 01-09-138 -AE	01/09/91	10:50	Soil	~~Dup.~~ Resample 01-08-135-PLB	1	✓	✓					Emergency Turnaround
-139 01-09-139 -PLB	01/09/91	11:00	Soil	Sect 11, grid C and D 0-57 (01-08-135-AE)	1	✓	✓					816-242-3170
												phone before you
												fax results

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
John S Evan	01/09/91 11:20				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD № 1878

PROJECT NO.: 90247

PROJECT NAME: Union Wire Rope

SAMPLERS: John S. Evan

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CON-TAINERS	Total Pb	TCLP Lead					REMARKS
(-190) 01-09-138 -PLE	01/09/91	11:00	Soil	Sect 11, Grids D and E 0-5ft depth (01-09-127-PLE)	1	✓	✓					Emergency Turnaround 816-242-3170 phone before you fax results

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
John Evan	01/09/91 13:16	E Richards			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

1879

PROJECT NO.: 90247

PROJECT NAME: Union Wire Rope (K.C)

SAMPLERS: John S. Evan

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	Total Pb	TCLP Pb					REMARKS
01-14-141 -PLF	01-14-91	07:30	Soil	Sect 4C and 4D 0-7 Ft depth	1	✓	✓					Emergency Turnaround
												816-242-3170
												phone before you Fax
												results

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
John S. Evan	01/14/91 1-14-91	Ophelia Paige			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

#2 1880

PROJECT NO.: 90247

PROJECT NAME: Union Wire Rope (K.C)

SAMPLERS: John S. Evan

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CON-TAINERS	Total Pb	TCLP Pb					REMARKS
01-16-192 -DLE	01/16/91	14:10	Soil	Grids 3C, 3D and 4C	1	✓	✓					Emergency Turnaround
												816-242-3170

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
John S. Evan	01/16/91	Ophelia Page			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

No. 1881

PROJECT NO.: 90247

PROJECT NAME: Union Wire Rope (K.C.)

SAMPLERS: John S. Evan

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	Total Lead	TCLP Lead					REMARKS
01-17-143 -PLE	01/17/91	13:30	Soil	Grids 7E, 7F, 8E and 8F Excavated, 0-6 ft	1	✓	✓					Emergency Turnaround 816-242-3170

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
John S. Evan	01/17/91				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY: Ophelia Page	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

№ 1882

PROJECT NO.: 90247

PROJECT NAME: Union Wire Rope (K.C.)

SAMPLERS: John S Evan

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CON-TAINERS	Total Lead	TCLP Lead					REMARKS
01-18-144 -PLE	01/18/91	07:20	Soil	Excavated 6E, 6F, 7E and 7F, 0-6 ft	1	✓	✓					Emergency Turnaround
												816-242-3170

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY: Steven E. Arnold	DATE/TIME 1-18-91 8:10	RECEIVED BY: [illegible]	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

1928

(1883 + 1928)

PROJECT NO.: 90247

PROJECT NAME: Union Wire Rope (H.K.)

SAMPLERS: John S. Evan

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	Total Lead						REMARKS
06-07-062 -BT	01/20/91	11:01	Soil	Btm core, 6E, 7Ft Top 6"	1	✓						Standard Turnaround
06-07-063 -BT	01/20/91	11:06	Soil	Btm core, 6E, 7Ft Btm 6"	1	✓						Phone Before You Fax
07-07-064 -BT	01/20/91	11:12	Soil	Btm core, 7E, 7Ft Top 6"	1	✓						Results
07-07-065 -BT	01/20/91	11:18	Soil	Btm core, 7E, 7Ft Btm 6"	1	✓						816-242-3170
07-06-066 -BT	"	11:24	Soil	Btm core, 7F, 6Ft Top 6"	1	✓						
07-06-067 -BT	"	11:30	Soil	Btm core, 7F, 6Ft Btm 6"	1	✓						
08-07-068 -BT	"	11:36	Soil	Btm core, 8E, 7Ft Top 6"	1	✓						
08-07-069 -BT	"	11:42	Soil	Btm core, 8E, 7Ft Btm 6"	1	✓						
08-05-070 -BT	"	11:48	Soil	Btm core, 8F, 5Ft Top 6"	1	✓						
08-05-071 -BT	"	11:54	Soil	Btm core, 8F, 5Ft Btm 6"	1	✓						

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
John S. Evan	01/21/91 09:05				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

NO. 1883 (1883+1928)

2 of 2

PROJECT NO.: 90247

PROJECT NAME: Union Wire Rope (H.K.)

SAMPLERS: John S. Evan

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	DDP Total Pb	DDP TCLP Pb					REMARKS
02-06-001-DDP	01/20/91	12:00	Soil	Grid 20, 6', Top 6"		✓	✓					There are two sample
												bottles for each sample
04-06-002-DDP	01/20/91	12:08	Soil	Grid 40, 6', Top 6"		✓	✓					to provide additional soil
												for required analysis
												Send Results:
												Union Wire Rope c/o Remcor
												2100 Manchester Trwy
												Kansas City, MO 64126
												816-242-3170

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
John S. Evan	01/20/91 09:05				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

No. 1884

PROJECT NO.: 90247

PROJECT NAME: Union Wine Rope (KC)

SAMPLERS: John S. Evan

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CON-TAINERS	Total Lead	TCLP Lead					REMARKS
01-22-145 -PLE	01/22/91	10:08	Soil	Grids 6E and 6F, 0-7'	1	✓	✓					Emergency Turnaround
												816-242-3170
												phone First, then Fax results
												Will be away From
												site till February 1, 1991

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
John S. Evan	01/22/91 10:30	[illegible]			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REYCOR

CHAIN OF CUSTODY RECORD

No. 1855 2 of

PROJECT NO.: 90247

PROJECT NAME: Union Wire Rope

SAMPLERS: John S. Evan

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	Total Lead	TCLP Lead					REMARKS
09-08-056 -OT	12/12/90	17:10	Soil	Sect 9, Grid D, Top 6"	1	✓						Emergency Turnaround
09-08-057 -OT	"	17:20	"	Sect 9, Grid D, B 6"	1	✓						Phone First, the
12-12-124 -126 -PLE	"	17:25	"	Sect 9-5, 1 ft 1.5 ft	1	✓	✓					Fax results
-127 12-12-125 -PLE	"	17:30	"	Sect 10, coarse (2/07-12/12)	1	✓	✓					816-242-3170
-128 12-12-126 -PLE	"	17:35	"	Sect 10, Fines 12/11-12/12	1	✓	✓					

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
John S. Evan	12/13/90 2:00 pm	Earl Richards			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

No. 1856

PROJECT NO.: 90247

PROJECT NAME: Union Wire Rope (Wilson)

SAMPLERS: John S. Evan

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	Total Lead	TCLP Lead					REMARKS
-129 12-12-127 -PLE	12/12/90	17:40	Soil	Sect 10, 0-4 Ft Exca	[illegible]	✓	✓					Emergency Turnaround
												Phone First, the
												Fax results
												816-242-3170
												Please return pink and
												yellow copy with sample
												report.

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
John S Evan	12/14/90 11:00 AM	David J Paulson			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

NO. 1862

PROJECT NO.: 90247

PROJECT NAME: Union Wire Rope

SAMPLERS: John S. Evan

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CON-TAINERS	Total Lead	TCLP Lead					REMARKS
132 01-04-030-PLE	01/04/91	16:10	Soil	Sect 11, Grid D,0.5	1	✓	✓					Emergency Turnaround
133 01-04-131-PLE	01/04/91	14:50	Soil	Borrow Pit	1	✓	✓					816-242-3170
134 01-04-132-PLE	01/04/91	14:59	Soil	Borrow Pit	1	✓	✓					

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
John S. Evan	01/04/91 17:22				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

No. 1863

PROJECT NO.: 90247

PROJECT NAME: Union Wire Rope

SAMPLERS: John S. Evan

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	Total Lead	TCLP Lead					REMARKS
01-07-133 -PLE 0[redacted] -PDE	135 01/07/91	10:10	Soil	Excavated material Gnd 11A, 12D and 12C 0-5 Ft depth	1	✓	✓					Emergency Turnaround
												816-242-3170
												phone First before
												you fax results

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
John S. Evan	01/07/91 10:55	Earl Richards			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

No. 1864

PROJECT NO.: 90247

PROJECT NAME: Union Wire Rope

SAMPLERS: John S. Evan (Hall-Kimbrell)

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	Total Pb	TCLP Pb					REMARKS
01-08-136 -134 -PLE	01/08/91	10:15	Soil	110, 120-12C Dup (0.5 Ft depth)	1	✓	✓					Emergency Turnaround
11-08-058-BT	"	10:25	Soil	Sect 11, Gnd C top 6"	1	✓						816-242-3170
11-08-059-BT	"	10:29	Soil	Sect 11, Gnd C btm 6"	1	✓						phone before you
12-08-060-BT	"	10:35	Soil	Sect 12, Gnd C top 6"	1	✓						fax results
12-08-061-BT	"	10:40	Soil	Sect 12, Gnd C btm 6"	1	✓						

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
John Evan	01/08/91				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

1885

PROJECT NO.: 90247

PROJECT NAME: Union Wire Rope

SAMPLERS: John S Evan (K.C.)

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CON-TAINERS	Total lead	TCLP lead					REMARKS
02-04-14-PLE	02/04/11	15:05	Soil	Grid 9F and 10F, excavated, 0-6 ft	1	✓	✓					Emergency Turnaround 816-242-3170

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
John S E	02/04/11	Cynthia Page			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

No. 1886

PROJECT NO.: 902A7

PROJECT NAME: Union Wire Rope (K.C.)

SAMPLERS: John S. Evan.

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CON-TAINERS	Total Pb	TCLP Pb					REMARKS
02-05-1A7 -PLF	02/05/91	19:45	Soil	Grids 9F and 10F Screened (0-7ft)	1	✓	✓					Emergency Turnaround 816-242-3170

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
[signature]	02/05/91				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY: Ophelia Paige	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

NO. 1887

PROJECT NO.: 90247

PROJECT NAME: Union Wire Rope (H.K)

SAMPLERS: John S. Evan

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CON-TAINERS	Total Pb	TCLP Pb					REMARKS
02-05-1AB -PLE	02/05/91	15:20	Soil	Rpl. Grid 9E and 10E, excavated	1	✓	✓					Emergency Turnaround Call before you fax results 816-242-3170

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
John S.	02/05/91 15:25				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

No. 1888

PROJECT NO.: 90247

PROJECT NAME: Union Wire Rope

SAMPLERS: John S. Evan (K.C. Test)

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	Total Lead	TCLP Lead					REMARKS
02-08-1AA -PLE	02/08/91	15:40	Soil	Grids 9E, 9F, 10E and 10F, 0-6 ft depth	1	✓	✓					Emergency Turnaround 816-242-3170

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
John S. Evan	02/1/91	Ophelia Paige			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

No. 1889

PROJECT NO.: 90247

PROJECT NAME: Union Wire Rope

SAMPLERS: John S. Evan (Hall-Kimball)

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	Total Lead						REMARKS
09-06-072 -BT	02/11/91	14:20	Soil	Gnd 9F	1	✓						Standard Turnaround,
09-06-073 -BT	02/11/91	14:25	Soil	Gnd 9F	1	✓						phone first before
09-06-074 -BT	02/11/91	14:30	Soil	Gnd 9E	1	✓						you fax results
09-06-075 -BT	02/11/91	14:35	Soil	Gnd 9E	1	✓						
10-06-076 -BT	02/11/91	14:40	Soil	Gnd 10E	1	✓						816-242-3170
10-06-077 -BT	02/11/91	14:45	Soil	Gnd 10E	1	✓						
10-07-078 -BT	02/11/91	14:50	Soil	Gnd 10D	1	✓						
10-07-079 -BT	02/11/91	14:55	Soil	Gnd 10D	1	✓						

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
John S. Evan	02/11/91				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF C' 'ODY RECORD

№ 1890

PROJECT NO.: 90247

PROJECT NAME: Union Wire Rope

SAMPLERS: Tom Evan / David P Cercone

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	Total Lead	TCLP Pb					REMARKS
02-12-150-PLE	02/12	1253	Soil	Excavated from Grids 9D + 10D	1	✓	✓					Emergency Turn
02-12-~~150~~-PLE	02/12	1250	"	Screened from Grids 9D + 10D.	1	✓	✓					FAX results
(151)												to 816 242-3170

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
David P Cercone	2/12/91 1327				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

1892

PROJECT NO.: 90247

PROJECT NAME: Armco - UWR

SAMPLERS: David P Cercone / John S Evan.

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CON-TAINERS	TCLP LEAD	TOTAL LEAD					REMARKS
02-13-152-PLE	02/13/91	1630	Soil	Grid 9D + 10D	1	✓	✓					Phone prior to
02-13-153-PLE	02/13/91	1640	Soil	Grid 9D + 10D.	1	✓	✓					Faxing results
												to (816) 242-3170
												★ Rush Turnaround
												Fed Ex Airbill #:
												9084588870

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
David P Cercone	12/13/91 1655				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

No. 2401

PROJECT NO.: 90247

PROJECT NAME: Armco - Union Wire R.

SAMPLERS: David P Cercone.

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CON-TAINERS	Total Lead	TCLP Lead					REMARKS
02-14-154-PL F	02/14	1540	Soil	Grid 9D	1	✓	✓					Rush Turnaround
												Telephone 242-3170
												before FAXING
												RESULTS.

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
David P Cercone	02/14/91 1640	Cynthia Page			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

NO. 2402

PROJECT NO.: 90247

PROJECT NAME: Armco - Union Wire Rope

SAMPLERS: DP Cercone / S.E. Arnold.

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	Total Pb	TCLP Pb	TCLP Cd.				REMARKS
02-20-155-PLF	02/20/91	1040	Soil	Fill's excavated from 9C + 9D.	1	✓	✓	✓				Rush Turnaround.
												Phone before
												Faxing results to:
												242-3170
												Cadmium is a
												new addition to
												our list.

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
Steven E. Arnold	2/20/91 11:37				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	
		Sam Jerro	2-20-91 11:45		

REMCOR

CHAIN OF CUSTODY RECORD

No. 2403

PROJECT NO.: 90247

PROJECT NAME: Armco - Union Wire Rope

SAMPLERS: Dave Cercone

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	TOTAL Pb						REMARKS
02-20-156-PLE	2/20/91	1715	Soil	Swale near 10D, 10E, 11D, 11E	1	✓						- Rush Turnaround
				Apparently natural material								
~~02-21-~~												Call before faxing
09-06-081-BT	02/21/91	0920			1	✓						results to
09-06-082-BT	↓	0925			1	✓						816-242-3170
09-12-083-BT	↓	1720			1	✓						
09-12-084-BT	↓	1725			1	✓						
												Hall - Kimbrell
												Fed Ex Airbill
												908458811

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
David P Cercone	2/21/91 0730				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

No. 2404

PROJECT NO.: 90247

PROJECT NAME: Armco - Union Wire Rope

SAMPLERS: David Cercone / SE Armco

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	Total Pb	TCLP Pb	TCLP Cd				REMARKS
02-21-157-PLE	02-21-91	1110	Soil	NW Corner Grid 9C NE corner Grid 8D	1	✓	✓	✓				Phone BEFORE
												FAXING RESULTS TO
												David Cercone
												242-3170
												RUSH Turnaround

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
[illegible]	2/21/91 11:41				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	
		Ophelia Kouge	2/21/91 11:41		

REMCOR

CHAIN OF CUSTODY RECORD

NO. 2405

PROJECT NO.: 90249

PROJECT NAME: Armco - Union Wire Rope

SAMPLERS: David P. Cercone

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CON-TAINERS	TCLP Pb	Total Pb	TCLP Cd				REMARKS
02-22-15B-PLF	2/22	1530	Soil	GRID 4D NW 8D NE	1	✓	✓	✓				Please have
												FAXING RESULTS
												TO: 242-3170
												- RUSH TURNAROUND
												- KC TESTING.

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
Steven Gould	2/22/11 4:27				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	
		Cynthia Paige	2 22 11 4:27		

REMCOR

CHAIN OF CUSTODY RECORD

2406

PROJECT NO.: 90247

PROJECT NAME: Armco - UWR

SAMPLERS: DP Cercone

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CON-TAINERS	TCLP Pb	Tot Pb	TCLP Cd				REMARKS
02-23-159-PLE	02/23	1433	Soil	NE BD	1	✓	✓	✓				CALL BEFORE
												FAXING RUSH
												TURN RESULTS
												TO
												242-3170

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
Steven Cunold	2-23-91 2:18	Sam Ferro			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

2407

PROJECT NO.: 90247

PROJECT NAME: Armco - UWR

SAMPLERS: DP Cercone / SE Arnold

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	TOTAL Pb						REMARKS
11-06-085-BT	02/23	1200	Soil	Grid NE 11D 0-6"	1	✓						Phone before
11-06-086-BT		1230	Soil	Grid NE 11D 6-12"	1	✓						Faxing results
11-06-087-BT		1300		Grid NE 11E 0-6"	1	✓						to: (816) 242-3170
11-06-088-BT		1330		Grid NE 11E 6-12"	1	✓						
11-06-089-BT		1400		Grid C 11F 0-6"	1	✓						- Rush Turnaround
11-06-090-BT		1430		Grid C 11F 6-12"	1	✓						
11-06-091-BT		1500		Grid C 9E 0-6"	1	✓						
11-06-092-BT		1530		Grid C 9E 6-12"	1	✓						
11-06-093-BT		1600		Grid C 9F 0-6"	1	✓						- Relinquished to
09-06-094-BT		1630		Grid C 9F 6-12"	1	✓						Fed Ex.
08-10-095-BT		1600		Grid C 8D 0-6"	1	✓						Airbill #
08-10-096-BT		1630		Grid C 8D 6-12"	1	✓						908458888 55

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
David P Cercone	02/23/91 1430				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

NO. 2408

PROJECT NO.: 90247

PROJECT NAME: Armco - Union Wire Rope

SAMPLERS: Steve E. Arnold

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	Total Pb	TCLP Pb					REMARKS
02-24-1100-PLE	02/24	1130	Waste	Grid SE D7 + SW D8	1	✓	✓					
												CALL BEFORE
												FAXING RESULTS
												TO 242-3170.

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
[illegible]	2/24/91 11:45	[illegible]			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

2410

PROJECT NO.: 90247

PROJECT NAME: Armco - Union Wire Rope

SAMPLERS: D. Cercone

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	TOTAL Pb						REMARKS
10-06-097-BT	02/25	0900	Soil	Grid 10F 0-6"	1	✓						CALL BEFORE
10-06-098-BT		0915		Grid 10F 6-12"	1	✓						FAXING RESULTS
07-10-099-BT		0930		Grid 7D 0-6"	1	✓						TO
07-10-100-BT		0945		Grid 7D 6-12"	1	✓						(814) 242-3170
												ATTN: Dave Cercone
												- Rush Turnaround
												FED EX AIRBILL
												9084588844

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
David Cercone	02/25 1030				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

№ 2411

PROJECT NO.: 90247

PROJECT NAME: Armco – Union Wire Rope

SAMPLERS: Dave Cercone

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CON-TAINERS	TCLP Pb	TOTAL Pb					REMARKS
02-26-161-PLE	02/26	1340	Soil	C4 + C5	1	✓	✓					Call before
												Faxing results
												to 242-3170
												– Rush Turnaround.

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
David P. Cercone	02/26/91 157				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	
		Ophelia Paige	2 26 91 258		

REMCOR

CHAIN OF CUSTODY RECORD

No. 2412

PROJECT NO.: 90247

PROJECT NAME: Armco - Union Wire Rope

SAMPLERS: DP Cercone

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	Pb TOTAL	Pb TCLP					REMARKS
~~02/27/91~~												Phone before
02-27-162-PLE	02/27	1150	Soil	Material from 1st outfall	1	✓	✓					Faxing results
02-27-163-PLE	↓	1300	Soil	Material excavated from outfall, BD, 9D	1	✓						to: 242-3170
02-27-165-PLE	↓	1420	Soil	Material from W side of Grid 9C	1	✓	✓					
												- Rush Turnaround
												ASAP

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
David P. Cercone	02/27/91 1540				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	
		Ophelia Paige	2-27-91 3:49		

REMCOR

CHAIN OF CUSTODY RECORD

2413

PROJECT NO.: 90247

PROJECT NAME: Armco- Union Wire Rope

SAMPLERS: David P. Cercone

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CON-TAINERS	Total Pb	TCLP Pb					REMARKS
03-01-166-PLE	03/01	1100	Soil	Excavated fines Grid 8C	1	✓	✓					Call before
				Pile is close to Barrel Magnet								FAXing results to:
												242-3170
												-Rush Turnaround

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
David Cercone	3-3-91 11:21	Edu Herrera			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

2414

PROJECT NO.: 90247

PROJECT NAME: UWR-Armco

SAMPLERS: David P. Cercone

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	TCLP Pb	Total Pb					REMARKS
08-04-16B-PLF	03/04	1400	Soil	Grid C9	1	✓	✓					As per my request
												David P. Cercone,
				Pile is by tool shed.								the extraction
												time should be
												reduced so that I
												can have a TCLP
												Pb by 0730 on
												3-5-91
												- Total Pb is not
												a priority as much

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
David P. Cercone	3/4/91 1446				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	
		Ophelia Paige	3-4-91 248		

REMCOR

CHAIN OF CUSTODY RECORD 2415

PROJECT NO.: 90247

PROJECT NAME: Armco-Union Wire Rope

SAMPLERS: David P. Cercone

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	TOTAL PB	TCLP PB.					REMARKS
10-10-101-BT	3/4	1000	Soil	Grid A 10 0-6" North	1	✓						Priority 2
10-10-102-BT		1005	Soil	Grid A 10 6-12" North	1	✓						Priority 2
03-04-167-PLE		1400	Soil	Waste near BBL Mag.	1		✓					Priority 2
02-27-164-PLE		1305	Soil	Excavated mat. under poly near 2nd outfall.	1	✓	✓					
Brick		0930	Brick	Brick Pile	1		✓					
Wood		1030	Wood	Wood Pile	1		✓					
03-04-169-PLE		1300	Soil	Material under Blue Poly.	1		✓					Priority 1
												Call Before Faxing Results to (816) 242-3170
												Fed Ex Airbill #6557856804

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
David Cercone	3/4/91 1745				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

NO. 2416

PROJECT NO.: 90247

PROJECT NAME: Armco - UWR

SAMPLERS: David P. Cercone

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	Total Pb	TCLP Pb.						REMARKS
03-05-170-PLF	03/05	0950	Soil	Excavated material from 9A + 10A	1	✓	✓						Phone before
				Pile is near northern cutbank.									faxing results to
				Duplicate to 03-05-171-PLF									242-3170
													Rush Turnaround

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
David P. Cercone	3/5/91 1030				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	
		Ophelia Kauge	3-5-91 1031		

REMCOR

CHAIN OF CUSTODY RECORD

No. 2417

PROJECT NO.: 90247

PROJECT NAME: Armco - Union Wire Rope

SAMPLERS: David P Cercone

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	Total Pb	TCLP Pb					REMARKS
03-05-171-PLF	03/05	0950	Soil	Material at North end cut bank Obtained from 9A + 10A.	1	✓	✓					~~Fax~~ Call before faxing results to: (816) 242-3170
09-05-109-BT	03/05	0955	Soil	Grid 9A 0-6"	1	✓						
09-05-110-BT	03/05	1000	Soil	Grid 9A 6-12"	2	✓						Rush Turnaround ASAP.
												Fed Ex Airbill # 655785681 5

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
David P Cercone	3/5/91 1500				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD: None	

REMCOR

CHAIN OF CUSTODY RECORD

No. 2418

PROJECT NO.: 90247

PROJECT NAME: Armco - Union Wire Rope

SAMPLERS: Dave Barnhart

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	TOTAL PB	TCLP PB					REMARKS
03-06 172 PLF	03/06	1420	Soil	Excavated material from 9A-9B pile near Hydrochloric Acid storage tank.	1	✓	✓					Call before faxing results to: (816) 242-3170
04-06 111-BT	03/06	1430	Soil	Grid 9B 0-6"	1	✓						Rush turn around ASAP.

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
Dave Barnhart	03-06-91 15:10				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	
		Ophelia Page	3-6-91 3:16		

REMCOR

CHAIN OF CUSTODY RECORD

No. 2419

PROJECT NO.: 902.47

PROJECT NAME: Union Wire Rope

SAMPLERS: Dave Barnhart

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	TOTAL Pb	TCLP Pb					REMARKS
03-10 173 PLF	03/10	8:15	Soil	Excavated Material 8A-8B	1	/	/					CALL Before
												Faxing Results
												To (816) 242-3170
												Rush Turnaround ASAP

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
[illegible]	2-11-91 1:35				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	
		Ophelia Paige	2-11-91 8:35		

REMCOR

CHAIN OF CUSTODY RECORD

NO. 2420

PROJECT NO.: 90247

PROJECT NAME: Armco - Union Wire Rope

SAMPLERS: David P. Cercone

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	Total Pb	TCLP Pb						REMARKS
03-14-174-PILE	03/14	0810	Soil	Excavated from EC7 Pile is near North side of Excavation	1	✓	✓						Phone before faxing results to 242-3170
													Rush Turnaround.
													Results needed by 0730 on 03-15
													Even if leaching time is reduced.

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
David P. Cercone	03/14/91 0850				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	
		Cynthia Kluge	3-14-91 8:18		

REMCOR

CHAIN OF CUSTODY RECORD

NO. 2421

PROJECT NO.: 90247

PROJECT NAME: Armco - Union Wire Rope

SAMPLERS: David P. Cercone

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CON-TAINERS	Total Pb	TCLP Pb					REMARKS
03-14-175-PLF	03/14	0810	Soil	E side of C7. File is on N side near cutbank	1	✓	✓					Hold until called
08-06-114-BT	03/14	0950	Soil	Grid 8B 0-6"	1	✓						
08-06-115-BT	03/14	0950	Soil	Grid 8B 6-12"	1	✓						Rush Turnaround,
08-06-116-BT	03/14	1020	Soil	Grid 8C 0-6"	1	✓						Call before faxing
08-06-117-BT	03/14	1020	Soil	Grid 8C 6-12"	1	✓						results to
10-06-118-BT	03/14	1040	Soil	Grid 10E 0-6"	1	✓						(816) 242-3170
10-06-119-BT	03/14	1040	Soil	Grid 10E 6-12"	1	✓						
12-06-120-BT	03/14	1100	Soil	Grid 12E 0-6"	1	✓						
12-06-121-BT	03/14	1100	Soil	Grid 12E 6-12"	1	✓						
												Fed Ex Airbill #:
												6557856841

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
David Cercone	3/14/91 1130				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

NO. 2422

PROJECT NO.: 90247

PROJECT NAME: Armco- Union Wire Rope

SAMPLERS: David P. Cercone

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CON-TAINERS	Total Pb	TCLP Pb					REMARKS
03-15-176-PLE	3/15	1210	Soil	Excavated from GRID E C7	1							
				Pile is in front of tool shed								Phone BEFORE
												FAXING RESULTS
												TO : 242-3170
												Need results
												By 0830 on
												Monday, 3/18/91

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
David P. Cercone	3/15/91				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY: Ophelia Paige	DATE/TIME 12:37 3-15-91	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

2423

PROJECT NO.: 90247

PROJECT NAME: Armco - Union Wire Rope

SAMPLERS: David P. Cercone

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CON-TAINERS	TCLP Pb						REMARKS
03-18-177-PLE	03/18	1100	WASTE	GRID 8B + 8C	1	1						Phone BEFORE
												FAXING RESULTS
												TO (816) 942-3170
												Rush Turnaround

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
David P. Cercone	3/18/91 1107				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

2424

PROJECT NO.: 90247

PROJECT NAME: Armco-Union Wire Rm

SAMPLERS: Dave Cercone

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CON-TAINERS	TCLP Pb						REMARKS
03-18-178-PLC	3/19	1230	Soil	Excavated Material from EC7. Pile is near North edge of Excavation.	1	✓						Phone BEFORE FAXING RESULTS TO: 242-3170
												Rush Turnaround

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
David Cercone					
[illegible] Erundel	2-11 2:14				
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	
		Cynthia Paige	3-11-11 2:15		

REMCOR

CHAIN OF CUSTODY RECORD

2425

PROJECT NO.: 90247

PROJECT NAME: Armco-Union Wire Rope

SAMPLERS: David P Corcoran

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	TCLP Pb	Total Pb					REMARKS
03-19-179-PLC	3/19	1529	Waste	Soil near BB + 7C	1	X	X					Phone Before
												FAXING RESULTS
												TO: 816-242-3170.
												Rush Turnaround.

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
Steven Blundell	3-19-91 4:35	Cheryl Kellison			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

2426

PROJECT NO.: 90247

PROJECT NAME: Armco-Union Wire Rope

SAMPLERS: David P. Cercone

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CON-TAINERS	TOTAL PP						REMARKS
08-06-123-BT	03/19	1430	Soil	Grid 8F 0-6"	1	✓						Phone before
08-06-124-BT		1431		Grid 8F 6-12"	1	✓						faxing results
09-06-125-BT		1440		Grid 9F 0-6"	1	✓						to (816) 242-3170
09-06-126-BT		1441		Grid 9F 6-12"	1	✓						
10-06-127-BT		1450		Grid 10F 0-6"	1	✓						Rush Turnaround
10-06-128-BT		1451		Grid 10F 6-12"	1	✓						
10-06-129-BT		1500		Grid 10E 0-6"	1	✓						
10-06-130-BT		1501		Grid 10E 6-12"	1	✓						
11-08-131-BT		1510		Grid 11F 0-6"	1	✓						
11-08-132-BT		1511		Grid 11F 6-12"	1	✓						
12-08-133-BT		1520		Grid 12E 0-6"	1	✓						Fed Ex Airbill #:
12-08-134-BT		1521		Grid 12E 6-12"	1	✓						6557856863

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
David P. Cercone	3/19/91 1750				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

NO. 2427

PROJECT NO.: 902417

PROJECT NAME: Armco-Union Wire Rope

SAMPLERS: David P Cercone

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CON-TAINERS	Total Pb	TCLP Pb					REMARKS KCTL
03-20-181-PLE	03/20	0910	Soil	Excavation in 78 + 7C; Pile is	1	X	X					Phone BEFORE
				in front of toolshed.								FAXING RESULTS
				Duplicate is 03-20-183-PLC								TO: 242-3170
												Rush Turnaround
												Extract ASAP

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
David P. Cercone	03/20/91 1030				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	
		Cynthia Range	2-20-91 1031		

REMCOR

CHAIN OF CUSTODY RECORD

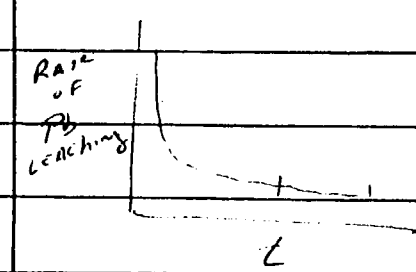
2428

PROJECT NO.: 90247

PROJECT NAME: Armco - Union Wire Rope

SAMPLERS: David P Cercone

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	TOTAL Pb	TCLP Pb.					REMARKS
03-20-180-PLC	3/20	0900	SOIL	MATERIAL FROM SW PILE.	1	✓	✓					PHONE BEFORE
				DUPLICATE WAS 03-18-177-								FAXING RESULTS
												TO (816) 242-3170
03-20-182-PLE	3/20	0915	SOIL	MATERIAL FROM EXCAVATION IN	1	✓	✓					
				C7 + B7. PILE IS IN								
				FRONT OF TOOLSHED DUPLICATE IS:								RUSH TURNAROUND
				03-20-181-PLE								



RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
David P Cercone	3/20/91 11:45	Darlene J Paulson			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

NO. 2429

PROJECT NO.: 90247

PROJECT NAME: Armco - Union Wire Rope

SAMPLERS: David P. Cercone.

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	Total Pb	TCLP Pb					REMARKS KCTL
03-21-18~~1~~3-PLE	03/21	1630	Soil	Excavated from B7+C7, Pile is on North edge of excavation. Split w/ 03-21-18~~1~~3-PLE	1	✓	✓					Phone before faxing results to: 242-3170
												Rush Turnaround

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
David P. Cercone	3/21/91 1700	Sam Fumo 3/22			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	
David P. Cercone	3/22/91 0640	Sam Fumo	3/22/91 0740		

REMCOR

CHAIN OF CUSTODY RECORD

2430

PROJECT NO.: 90247

PROJECT NAME: Armco-Union Wire Rope

SAMPLERS: David P. Cercone

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	Total Pb	TCLP Pb					REMARKS Hall - Kimbrell
03-21-180-PLE 3	03/21	1630	Soil	Excavated from B7+C7, Pile is on north edge of excavation. Split w/sample 03-21-180-PLE 4	1	✓	✓					Phone before faxing results to: (816) 242-3170
												Rush Turnaround.
												Fed Ex Airbill: 6557856874

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
David P. Cercone	3/21/91 1700				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

No. 2431

PROJECT NO.: 90247

PROJECT NAME: Armco-Union Wire Rope Co

SAMPLERS: David P. Cercone

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	Total Pb						REMARKS 1 of 2
07-09-135-BT	3/23	1100	Soil	Grid 7A 0-6"	1	✓						Phone BEFORE
07-09-136-BT		1105	Soil	Grid 7A 6-12"	1	✓						FAXING RESULTS
07-09-137-BT		1125		Grid 7C 0-6"	1	✓						TO (816)-242-3170.
07-09-138-BT		1140		Grid 7C 6-12"	1	✓						
												Rush Turnaround.
12-03-139-BT		1145		Grid 12F 0-6"	1	✓						
12-03-140-BT		1150		Grid 12F 6-12"	1	✓		IN PLASTIC BAG				
08-09-141-BT		1600		Grid 8F 0-6"	1	✓		IN PLAS CONTAINER				
08-09-142-BT		1605		Grid 8F 6-12"	1	✓		IN PLAS CONTAINER				
09-09-143-BT		1640		Grid 9F 0-6"	1	✓		IN PLAS BAG				Fed Ex Airbill #:
09-09-144-BT		1645		Grid 9F 6-12"	1	✓		IN PLAS BAG.				

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
David P. Cercone	3/23/91 1800				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

2432

PROJECT NO.: 90247

PROJECT NAME: Armco-Union Wire Rope

SAMPLERS: David P. Cercone

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	TOTAL Pb						REMARKS 2 OF 2
10-02-145-BT	3/23	1700 ~~1560~~	Soil	Grid 10F 0-6"	1	✓						Phone BEFORE
10-02-146-BT		1705 ~~1505~~		Grid 10F 6-12"	1	✓						FAXING RESULTS TO
												(816) 242-3170
												Rush Turnaround

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
David P. Cercone	3/23/91 1600				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

RECOR

CHAIN OF CUSTODY RECORD

2433

PROJECT NO.: 90247

PROJECT NAME: Armco - Union Wire Rope

SAMPLERS: David P. Cercone

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	TCLP Pb	TOTAL Pb					REMARKS KCTL
03-24-185-PLE	3/24	1600	WASTE	APPARENTLY HAZ. MAT. ON LOWER	1	✓	✓					Phone before
				EDGE OF EXCAVATION. MATERIAL								FAXING results
				CAME FROM METAL POCKETS WHICH								TO 242-3170
				were missed. PILE IS ON NGD								
				SPLIT IS -186-								
03-24-187-PLE	3/24	1630	SOIL	APPARENTLY INDUST. MAT. ON GRID 6E	1	✓	✓					RUSH Turnaround.
				WHICH WAS EXCAVATED FROM								
				8 THRU 11 F. PILE IS COVERED BY								
				BLUE POLY. SPLIT IS -188-								

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
David Cercone	3/25/91 1140				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	
		Ophelia Paige	1140 3-25-91		

REMCOR

CHAIN OF CUSTODY RECORD

NO. 2434

PROJECT NO.: 90247

PROJECT NAME: Armco - Union Wire Rope

SAMPLERS: David P. Cercone

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	TCLP Pb.	TOTAL Pb					REMARKS
03-24-186-PLE	3/24	1600	WASTE	APP HAZ. MAT ON LOWER EDGE	1	✓	✓					Hall - Kimb.
				OF EXCAVATION, MATERIAL CAME								Phone before
				FROM POCKETS OF METALS WHICH								FAXING results
				were MISSED.								to (816) 242-3170
				PILE IS ON N6D								
				SPLIT IS -185-								
3-24-188-PLE	3/24	1630	SOIL	APPARENTLY INDUSTRIAL	1	✓	✓					RUSH TURNAROUND
				WASTE FROM								
				8 THRU 11 F.								
				PILE IS COVERED								
				BY BLUE POLY								
				& SITS ON GRID								
				6E.								

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
David P. Cercone	3/25 1333				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

2435

PROJECT NO.: 90247

PROJECT NAME: Armco - Union Wire Rope

SAMPLERS: David P. Cercone

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	Total Pb.						REMARKS
12-02-147-BT	3/25	1000	Soil	Grid 12E 0-6"	1	✓						Phone BEFORE
12-02-148-BT	"	1005	Soil	Grid 12E 6-12"	1	✓						FAXING RESULTS TO:
												(816) 242-3170.
11-08-149-BT	"	1020	Soil	Grid 11F 0-6"	1	✓						
11-08-150-BT	"	1025	Soil	Grid 11F 6-12"	1	✓						RESULTS NEEDED BY 3/27/91 11 A.M.
07-12-151-BT	"	1030	Soil	Grid 7B 0-6"	1	✓						
07-12-152-BT	"	1035	Soil	Grid 7B 6-12"	1	✓						

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
David P. Cercone	3/25/91 1330				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

2436

PROJECT NO.: 90247

PROJECT NAME: Armco-Union Wire Rope

SAMPLERS: David P. Cercone

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CON-TAINERS	TOTAL Pb						REMARKS
08-02-153-BT	3/27	1400	Soil	Grid 8F 2'	1	✓						Call before
08-03-154-BT	"	1405	"	Grid 8F 3'	1	✓						faxing results
09-02-155-BT	"	1410	"	Grid 9F 2'	1	✓						to:
09-03-156-BT	"	1415	"	Grid 9F 3'	1	✓						(816) 242-3170 or
~~09~~												(412) 967-5252
10-02-157-BT	"	1420	"	Grid 10F 2'	1	✓						
10-03-158-BT	"	1425	"	Grid 10F 3'	1	✓						Rush Turnaround
11-02-159-BT	"	1430	"	Grid 11F 2'	1	✓						24-hour.
11-03-160-BT	"	1435	"	Grid 11F 3'	1	✓						
12-02-161-BT	"	1440	"	Grid 12F 2'	1	✓						
12-03-162-BT	"	1445	"	Grid 12F 3'	1	✓						Fed Ex Airbill #:
												6557856922

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
David P. Cercone	3/27/91 1530				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

No. 2437

PROJECT NO.: 90247

PROJECT NAME: Armco-Union Wire Rope

SAMPLERS: David P. Cercone

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	Total Pb	TCLP Pb					REMARKS
04-03-189-PLE	4/3/91	0950	Soil	Excavated Material.	1	✓	✓					Phone before
				Pile is in								Faxing results
				Toolshed.								to: 242-3170
												Rush Turnaround.

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
David P. Cercone	4/3/91 1134				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	
		Ophelia Page	4-3-91 1034		

REMCOR

CHAIN OF CUSTODY RECORD

2438

PROJECT NO.: 90247

PROJECT NAME: Armco-Union Wire Rope

SAMPLERS: David P. Cercone

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CON-TAINERS	TOTAL Pb						REMARKS
04-03-190-PLE	4/3	1605	Soil	Soil from F-series grids;	1	✓						Phone before
				obviously industrial grade, non-haz.								faxing results
												to: (816) 242-3170.
04-03-191-PLE	4/3	1610	Soil	Same notes as above.	1	✓						
				Pile is W of 2nd outfall								Rush Turnaround

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
David P. Cercone	4/3/91 5:50pm	Darlene J Parks			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

NO. 2439

PROJECT NO.: 90247

PROJECT NAME: Armco-Union Wire Rope

SAMPLERS: David P. Cercone

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CON-TAINERS	Total Pb						REMARKS
04-04-192-PLE	4/4	1050	Soil	Material excav. from F-series grids. Pile is in grid 11D	1	✓						Phone before faxing results to: (816) 242-3170
				Apparently industrial material.								
												Rush Turnaround

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
David P Cercone	4/4/91 1213				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	
		[illegible]	4/4/91 12:15pm		

REMCOR

CHAIN OF CUSTODY RECORD

No. 2440

PROJECT NO.: 902417

PROJECT NAME: Armco-Union Wire Rope

SAMPLERS: David P. Cercone

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CON-TAINERS	Total Pb	TCLP Pb						REMARKS
04-05-193-PLE	4/5	0650	Waste	Excavated Material from Grid 2C. No final pile is created yet	1	✓	✓						Phone before faxing results to 242-3170
													Rush Turnaround

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
David P Cercone	4/5/91 0725	Sam Ferro		4/5/91 7:40	
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMICOR

CHAIN OF CUSTODY RECORD

2441

PROJECT NO.: 90247

PROJECT NAME: Armco - Union Wire Rope

SAMPLERS: David P. Cercone

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	TCLP Pb	Total Pb					REMARKS
04-06 ~~188~~-PLE	4/6	1330	WASTE	RESAMPLE OF 04-05-193-PLE	1	✓	✓					Phone BEFORE
~~199~~												FAXING RESULTS
												TO: (816)242-3170
04-06-195-PLC	4/6	1800	WASTE	MATERIAL EXCAVATED	1	✓	✓					
				FROM 1A, 1B + 1C								Rush Turnaround.
				PILE IS BY THE FUEL DEPOT								Needed by 0900 on
												4/9/91 - Call if turn
04-07-196-PLC	4/7	1800	WASTE	MATERIAL EXCAVATED	1	✓	✓					will be missed.
				FROM 1A, 1B + 1C								
				PILE IS CLOSE TO GRID 6E.								

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
David P. Cercone	4/8/91 8:15 AM	David J. Hawk			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

2442

PROJECT NO.: 90247

PROJECT NAME: Armco - Union Wire Rope

SAMPLERS: David P. Cercone

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	TOTAL Pb						REMARKS
01-02-163-BT	4/7/91	1630		GRID 1A 0-6"	1	✓						HALL-KIMBRELL
01-02-164-BT		1630		GRID 1A 6-12"	1	✓						Phone BEFORE
01-02-165-BT		1645		GRID 1B 0-6"	1	✓						FAXING RESULTS
01-02-166-BT		1650		GRID 1B 6-12"	1	✓						TO: (816) 242-3170
01-03-167-BT		1700		GRID 1C 0-6"	1	✓						24-HOUR TURN
01-03-168-BT		1705		GRID 1C 6-12"	1	✓						
04-01-169-BT		1715		GRID 4F 0-6"	1	✓						
04-01-170-BT		1720		GRID 4F 6-12"	1	✓						
05-01-171-BT		1730		GRID 5F 0-6"	1	✓						
05-01-172-BT		1735		GRID 5F 6-12"	1	✓						
06-01-173-BT		1745		GRID 6F 0-6"	1	✓						
06-01-174-BT		1750		GRID 6F 6-12"	1	✓						

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
David P. Cercone	4/8/91 8:15AM	Darla J. Paulson			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REYCOR

CHAIN OF CUSTODY RECORD

No. 2443

PROJECT NO.: 90247

PROJECT NAME: Armco - Union Wire Rope

SAMPLERS: David P. Cercone

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	TCLP Pb	Total Pb						REMARKS
04-09-197-PLC	4/9	1635	WASTE	EXCAVATED MATERIAL FROM GRID 2B & 2C PILE IS IN GRID 7E, NEAR MONITORING WELL.	1	✓	✓						Phone BEFORE FAXING RESULTS TO 242-3170
													Rush Turnaround 24-HOUR.

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
[illegible]	4-9-91 5:00				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	
		[illegible]	4 9 91 5 00		

REMCOR

CHAIN OF CUSTODY RECORD

No. 2444

PROJECT NO.: 90247

PROJECT NAME: Armco-Union Wire Rope

SAMPLERS: David P Cercone.

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	TOTAL Pb	TCLP Pb					REMARKS
02-07-175-BT	4/9	1650	Soil	Grid 2A	1	✓	✓	2 DPC				Phone BEFORE
02-07-176-BT	4/9	1700	Soil	Grid 2A	1	✓	✓	2 DPC				FAXING RESULTS
												TO: (816)242-3170
02-08-177-BT	4/9	1710	Soil	Grid 2B	1	✓	✓	DPC				
02-08-178-BT	4/9	1715	Soil	Grid 2B	1	✓	✓	DPC				24-HOUR TURN.
02-08-179-BT	4/9	1730	Soil	Grid 2C	1	✓	✓	2 DPC				
02-08-180-BT	4/9	1735	Soil	Grid 2C	1	✓	✓	2 DPC				
04-09-198-PLE	4/9	1635	Waste	Pile is in Grid 7E	1	✓	✓					
				Excavated from Grids 2A + 2B								

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
David P. Cercone	4/10/91 8:50	Darlene J Paulson			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

№ 2445

PROJECT NO.: 90247

PROJECT NAME: Armco- Union Wire Rope

SAMPLERS: David P. Cercone

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CON-TAINERS	TCLP Pb	Total Pb.						REMARKS
04-10-199-PLC	04/10	1250	WASTE	MATERIAL FROM GRID 2B.	1	✓	✓						Phone BEFORE
				PILE IS NEAR GRID 8E,									FAXING RESULTS
				DIRECTLY NORTH OF BBL MAGNET									TO: 242-3170
				DUPLICATE IS 04-10-200-PLC									24-HOUR TURN.

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
David P. Cercone	4/10/91 1315				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	
		Cynthia Kauge	4-10 91 1117.		

REMCOR

CHAIN OF CUSTODY RECORD

2446

PROJECT NO.: 90247

PROJECT NAME: Armco-Union Wire Rope

SAMPLERS:

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CON-TAINERS	TCLP Pb	Total Pb					REMARKS
04-11-201-PLC	4/11	0715	WASTE	MATERIAL EXCAV. FROM GRID 3A +	1	✓	✓					Phone BEFORE
				3B. PILE IS NE								
				OF FUEL DEPOT								FAXING RESULTS
				SPLIT w/SAMPLE								
				04-11-202-PLC								TO: 242-3170
												24-HOUR TURNAROUND

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
David P Carson	4/11/91 0745	[illegible]			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

№ 2448

PROJECT NO.: 90247

PROJECT NAME: Armco - Union Wire Rope

SAMPLERS: DAVID P. CERCONE

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CON-TAINERS	TCLP Pb	Total Pb					REMARKS KCTL
04-11-203-PLC	4/11	1450	Waste	EXCAVATED FROM GRID 3C	1	✓	✓					Phone BEFORE
				PILE IS IN 4+5C near North								FAXING RESULTS
				EDGE OF EXCAVA. SPLIT SAMPLE								TO 242-3170
				IS 04-11-204-PLC								
												24-HOUR TURN.

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
David Cercone	4/11 1516				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	
		Ophelia Paige	4-11-91 3:18		

REMCOR

CHAIN OF CUSTODY RECORD № 2447

PROJECT NO.: 90247

PROJECT NAME: Armco - Union Wire Rope

SAMPLERS: David P. Cercone

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	TCLP Pb	Total Pb					REMARKS: HALL - KIMS
04-11-200-PLC	4/10	1250	Waste	Duplicate to 04-10-A9-PLC	1	✓	✓					Hold until notified
04-11-202-PLC	4/11	0715	Waste	Duplicate to 04-11-201-PLC	1	✓	✓					Hold until notified
03-08-182-BT	4/11	1050	Soil	Grid 3A 6-12"	1		✓					Phone before
03-08-188-BT	4/11	1050	Soil	Grid 3A 0-6"	1		✓					faxing results
												to: (816)242-3170
04-11-204-PLC	4/11	1450	Waste	Duplicate to 04-11-203-PLC	1	✓	✓					
												24-hour turn
												~~"Fax Pb results"~~
												~~[illegible]~~

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
David P Cercone	4/11/91 1630	Darla J Plank			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

№ 2449

PROJECT NO.: 90247

PROJECT NAME: Armco - UNION WIRE ROPE

SAMPLERS: HARRY L OWENS

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	TCLP	TOTAL PB					REMARKS
												HALL - KEMB
12-21-183-BT	4/12/91	1315	SOIL	GRID 12-B 6-12"	1	✓	✓					
3-09-184-BT	4/12/91	1335	SOIL	GRID 3-C 6-12"	1	✓	✓					
												PHONE BEFORE
												FAXING RESULTS
												TO: (816) 242 3170
												24 HOUR TURN!

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
[illegible]	4/12/91 1600	Darla J Parker			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
	4/12/91 1600				
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD № 2453

PROJECT NO.: 90247

PROJECT NAME: ARMCO - UNION WIRE ROPE

SAMPLERS: HARRY L OWENS

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	TCLP	TOTAL PB					REMARKS KCTL
03-09-198-PLC*	4/12	1605	WASTE	DUPLICATE OF 03-09-197-PLC*	1	X	X					
				EXCAVATED FROM 3B, PILE IS								
				SOUTH OF GRID 6E.								
												PHONE BEFORE
												FAXING RESULTS
												TO 242 3170
												24 HR TURN

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
[illegible]	4-13 6:05	Edward Herrera			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
	4/13 8:06				
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

№ 2454

PROJECT NO.: 90247

PROJECT NAME: ARMCO · UNION WIRE ROPE

SAMPLERS: HARRY L OWENS

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	TOTAL TCLP	TOTAL PB					REMARKS
												KCTL
04-08-199-PLCK	4/14/91	0800	WASTE	GRID 4A-5-A Total of 8½'		X	X					
~~04-08-200-PLC~~	~~4/14/91~~	~~0805~~	~~WASTE~~	~~GRID 4A-5A~~ ~~HLO~~								
												PHONE BEFORE
												FAXING RESULTS
												TO (816) 242 3170
												24 HR TURN.

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
[signature]	4/14/91 0915	[signature]			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

No 2455

PROJECT NO.: 90247

PROJECT NAME: ARMCO-UNION WIRE ROPE

SAMPLERS: HARRY L OWENS

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	TCLP	TOTAL PB					REMARKS
04-08-202-PLC*	4/14	1435	WASTE	GRID 4A-4B SCREANED MAT	1	X	X	TCLP		24 HR		
				DUPLICATE OF 04-08-201-PLC*								PHONE BEFORE
				PILE ON SE								FAXING RESULTS
												TO: (816) 242 3170

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
[signature]	4-15-91 0925				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	
		Ophelia Page	4-15-91 927		

REMCOR

CHAIN OF CUSTODY RECORD

No. 2456

PROJECT NO.: 90247

PROJECT NAME: ARMCO-UNION WIRE ROPE

SAMPLERS: HARRY L OWENS

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	TOTAL PB						REMARKS
06-12-187-BT	4/15	0938	SOIL	GRID 6F 0-6"	1	X						
06-12-188-BT	4/15	0940	SOIL	GRID 6F 6-12"	1	X						
05-12-189-BT	4/15	0950	SOIL	GRID 5F 0-6"	1	X						PHONE BEFORE
05-12-190-BT	4/15	0955	SOIL	GRID 5F 6-12"	1	X						FAXING RESULTS
												TO (816) 242 3170
												24HR TURN.

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
	4/15/91 10:20				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	
			4-15-91 10:20		

REMCOR

CHAIN OF CUSTODY RECORD

2452

PROJECT NO.: 90 247

PROJECT NAME: ARMCO-UNION WIRE ROPE

SAMPLERS: HARRY L OWENS

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	TCLP	TOTAL PB					REMARKS
												HALL - KIMB
03-09-185-BT	4/12	1545	SOIL	GRID 3B 6-12" 3B	CLEAR TCLP ND	X	X					
03-09-197-PLC*	4/12	1555	WASTE	DUPLICATE OF 03-09-198-PLC*	1	X	X					
				EXCAVATED FROM GRID 3B	TCLP - 0.61							
04-08-200-PLC*	4/14	0805	WASTE	GRID 4A-4B	1	X	X					PHONE BEFORE
				DUPLICATE OF 04-08-199-PLC*	TCLP	0.	37					FAXING RESULTS
				PILED ALONG EAST OF FUEL DEPOT.								TO: (816) 242 3170
												24 HR TURN AROUND
04-08-201-PLC*	4/14	1430	WASTE	GRID 4A-4B SCREENED MAT	TCLP 1.12	X	X					
				DUPLICATE OF #04-08-202-PLC*								
				PILE ON SE								
03-09-186-BT	4/15	0930	SOIL	GRID 3B 0-6"			X					

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
[illegible]	4/15/91 1022				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	
		[illegible]	4-15-91 9:25		

REMCOR

CHAIN OF CU[illegible]DY RECORD

2458

PROJECT NO.: 90247

PROJECT NAME: ARMCO-UNION WIRE ROPE

SAMPLERS: HARRY L OWENS

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CON-TAINERS	TCLP	TOTAL PB					REMARKS
04-09-203-PLC*	4/16	0745	WASTE	GRID 4B, 4C, EXCAVATION POINT	1	X	X					KCTL
				DUPLICATE OF 04-09-204-PLC*								
												CALL BEFORE FAXING
												INFORMATION
												(816) 242 3170
												24 HR TURN.

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
[illegible]	4-16-91 0840				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	
		Ophelia Paige	4-16-91 8:42		

REMCOR

CHAIN OF CUSTODY RECORD

2457

PROJECT NO.: 90247

PROJECT NAME: ARMCO - UNION WIRE ROPE

SAMPLERS: HARRY L OWENS

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	TCLP	TOTAL PB					REMARKS
04-09-204-PLC	4/16	0750	WASTE	GRID 4B, 4C, EXCAVATION POINT	1	X	X					
				DUPLICATE OF 04-09-203-PLC								CALL BEFORE TAKING
												INFORMATION
												(816) 242 3170
												24 HR TURN.

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
[illegible]	4-17-91 0817				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	
		[illegible]	4/17/91 8:15		

REMCOR

CHAIN OF CUSTODY RECORD

№ 2459

PROJECT NO.: 90 247

PROJECT NAME: ARMCO- UNION WIRE ROPE

SAMPLERS: HARRY L OWENS

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CON-TAINERS	TCLP	TOTAL PB					REMARKS
04-09-205-PLCX	4/17	1400	WASTE	GRID 4C EXCAVATION DUPLICATE #	1	X	X					
				04-09 206-PLCX PILE AT GRID 2B1								CALL BEFORE FAX
												INFO 242 3170
												241 HL TURN.

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	
[illegible]	4-17-91 1545	Ophelia Paige	4-17-91 3:49		

REMCOR

CHAIN OF CU[illegible]DY RECORD

[illegible] 2460

PROJECT NO.: 90247

PROJECT NAME: ARMCO-UNION WIRE [illegible]

SAMPLERS: HARRY L OWENS

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	TOTAL PB	TCLP					REMARKS
04-09-206-PLC*	4/17	1405	WASTE	GRIN 4C EXCAVAT. DUPLICATE # 04-09-205-PLC * PILE ON GRID 2B.	1	✓	✓					
												CALL BEFORE FAX INFO (816) 242 3170

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
[signature]	4-15-91 1638	Cheryl Kellison			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

No. 2593

PROJECT NO: 90247

PROJECT NAME: UNION WIRE ROPE

SAMPLERS: HARRY L OWENS

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	TOTAL PB	TCLP					REMARKS
04-09-207-PLC*	4/18	1530	WASTE	PILE ON 2B EXCAVATED FROM	1	✓	✓					
				4C. DUPLICATE 04-09-209-PLC*								
04-09-208-PLC*	4/18	1533	WASTE	PILE ON RIDGE OF GRID 5C,	1	✓	✓					CALL BEFORE
				EXCAVATED FROM 4A & B.								FAXING INFO
				04-09-210-PLC * DUPLICATE.								# (816) 242 3170
												FAX # 816 242 3170
												24 TURN AROUND.

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
[signature]	4-18-91 1612	[signature]			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
		[signature]			
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

RECOR

CHAIN OF CUSTODY RECORD 2594

PROJECT NO.: 90347

PROJECT NAME: UNION WIRE ROPE

SAMPLERS: Harry L Owens

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	TOTAL PB	TCLP					REMARKS Hall - KEMB
04-09-211-PLC*	4/18	1530	WASTE	PILE ON GRID 2B, FROM 4C. EXC	1	✓	✓					DUPLICATE # 04-09-209-PLC* # 04-09-207-PLC*
04-09-212-PLC*	4/18	1533	WASTE	PILE ON GRID 5C, FROM EXC. 4A,B,	1	✓	✓					DUPLICATE # 04-09-208-PLC* # 04-09-210-PLC*
												CALL BEFORE
												EATING INFO
												816 242 3470
												24 HR TURN.

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
[illegible]	4-19-91 0845				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	
		[illegible]	4/19/91 2:45		

REMCOR

CHAIN OF CUSTODY RECORD

No. 2595

PROJECT NO.: 90247

PROJECT NAME: UNION WIRE ROPE

SAMPLERS: Harry L Crowns

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	TOTPC PB	TCLP					REMARKS KCTL
04-09-209-PLC3	4/18	1530	WASTE	PILE ON GRID 2B, FROM 4C EXC.	1	4	4					DUPLICATE # #04-09-207-PLC #04-09-211-PLC
04-09 210-PLC4	4/18	1533	WASTE	PILE ON GRID 5C 4A,B, FROM EXC.		4	4					DUPLICATE # #04-09-208-PLC #04-09-212-PLC
					1	1	1					
												CALL BEFORE FAX
												INFO 242 3170
												24 HR TURN

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
[illegible]	4-19-91 0745	Sam [illegible]			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

No. 2461

PROJECT NO.: 90247

PROJECT NAME: UNION-WIRE ROPE

SAMPLERS: HARRY L OWENS

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	TCLP	TOTAL PB					REMARKS
04-21-213-PCL	4/21	0930	WASTE	MAT EXCAVATED 4C,B PILE ON GRID 5A.	1	X	X					KCTL
4-21-214-PCL	4/21	0945	WASTE	MAT EXCAVATED 4C,B PILE ON GRID 6A.	1	X	X					CALL BEFORE FAX
4-21-215-PCL	4/21	1130	WASTE	EXCAVATED FROM 5C, PILE ON GRID 8B,C	1	X	X					INFO: 816 2423170
04-22-224-PCL	4/22	0730	WASTE	EXCAVATED FROM 5E, PILE ON GRID 7C.	1	X	X					"RUSH!"
												24 HOUR TURN.
* # 04-21-213-PCL			DUPLICATE	# 04-21-216-PCL	, 04-21-219-PCL							* NOTE.
04-21-214-PCL			DUPLICATE	# 04-21-217-PCL	, 04-21-220-PCL							
04-21-215-PCL			DUPLICATE	# 04-21-218-PCL	, 04-21-221-PCL							
04-22-224-PCL			DUPLICATE	# 04-22-223-PCL	, 04-22-222-PCL							

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
[signature]	4-22-91 1012				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	
		Ophelia Page	4/22 91 1015		

REMCOR

CHAIN OF CUSTODY RECORD

NO. 2462

PROJECT NO.: 90247

PROJECT NAME: VNION WIRE ROPE

SAMPLERS: HARRY L OWENS

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	TOTAL PB	TCLP					REMARKS
												HALL - KIMB
04-21-219-PLC	4/21	0930	WASTE	MAT EXCAVATED 4C,B PILE ON GRID 5A	1	X	X					
04-21-220-PLC	4/21	0945	WASTE	MAT EXCAVATED 4C,B PILE ON GRID 6A	1	X	X					CALL BEFORE FAX!
04-21-221-PLC	4/21	1130	WASTE	EXCAVATED FROM 5C PILE ON GRID 8B,C	1	X	X					INFO: 816 2423170
04-22-222-PLC	4/22	0725	WASTE	EXCAVATED FROM 5E C PILE ON GRID 7C	1	X	X					"RUSH!"
												24 HR TURN.
* #	04-21-	219-PLC	DUPLICATE #	04-21-213-PLC,		04-21-216-PLC						* NOTE
	04-21-	220-PLC	DUPLICATE #	04-21-214-PLC,		04-21-217-PLC						
	04-21-	221-PLC	DUPLICATE #	04-21-215-PLC,		04-21-218-PLC						
	04-22-	222-PLC	DUPLICATE #	04-22-223-PLC,		04-22-224-PLC						

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
[signature]	4-22-91 0845				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	
		[signature]	4/22/91 8:47		

REMCOR

CHAIN OF CUSTODY RECORD

No. 2463

PROJECT NO.: 90247

PROJECT NAME: UNION WIRE ROPE

SAMPLERS: HARRY L OWENS

SAMPLE	~~DATE~~ TIME	~~TIME~~ DATE	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	TCLP	TOTAL PB					REMARKS PACE LAB
04-21-216-PLC	0930	4/21	WASTE	MAT. EXCAVATED 4C,B PILE ON GRID 5A	1	X	X					
04-21-217-PLC	0945	4/21	WASTE	MAT. EXCAVATED 4C,B PILE ON GRID 6A.	1	X	X					CALL BEFORE FAX
04-21-218-PLC	1130	4/21	WASTE	EXCAVATED FROM 5C PILE ON GRID 8B,C	1	X	X					INFO: 816 2423170
04-22-223-PLC	0730	4/22	WASTE	EXCAVATED FROM 5B,C PILE ON GRID 7C.	1	X	X					"RUSH!"
												24 HR TURN.
* #	04-21-	216-PLC	DUPLICATE #	04-21-213-PLC	1		04-21-219-PLC					* NOTE
	04-21-	217-PLC	DUPLICATE #	04-21-214-PLC	1		04-21-220-PLC					
	04-21-	218-PLC	DUPLICATE #	04-21-215-PLC	1		04-21-221-PLC					
	04-22-	223-PLC	DUPLICATE #	04-22-222-PLC	1		04-22-224-PLC					

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
[illegible]	4-22-91 [illegible]	[illegible]			
RELINQUISHED BY:	DATE/TIME 4-22-91 0930	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

No. 2464

PROJECT NO.: 90247

PROJECT NAME: Armco Vinton Wire Rope

SAMPLERS: Harry L Owens

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	TOTAL PB						REMARKS
04-08-191-BT	4/22	1600	Soil	Grid 4A-0"-6"	1	✓						Hall-Kimb.
04-08-192-BT	4/22	1605	Soil	Grid 4A-6"-12"	1	✓						
												Call Before Fax
04-08-193-BT	4/22	1615	Soil	Grid 4B-0"-6"	1	✓						Info: 816 242 3170
04-08-194-BT	4/22	1620	Soil	Grid 4B-6"-12"	1	✓						24 Hr Turn.
04-08-195-BT	4/22	1630	Soil	Grid 4C-0"-6"	1	✓						
04-08-196-BT	4/22	1635	Soil	Grid 4C-6"-12"	1	✓						

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
[signature]	4-23-91 0835				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	
		[signature]	4/23/91 8:35		

REMCOR

CHAIN OF CUSTODY RECORD

NO. 2465

KCTL

PROJECT NO.: 90247

PROJECT NAME: Armco-Union Wire Rope

SAMPLERS: David P. Cercone

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CON-TAINERS	TCLP Pb	Total Pb					REMARKS
~~[illegible]~~ ~~[illegible]~~	DPC											PHONE BEFORE
												FAXING RESULTS
04-24-225-PLC	4/24	0830	WASTE	MATERIAL EXCAVATED FROM GRIDS 5B+5C	1	✓	✓					TO: (816) 242-3170.
				PILE IS WEST OF FUEL DEPOT.								
				DUPLICATES: 04-24-226-PLC (HALL-Kim)								24-HOUR TURN.
				04-24-227-PLC (Page)								

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
David P. Cercone	4/24/91 0910				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	
		Ophelia Paige	4.24.91 1012		

REMCOR

CHAIN OF CUSTODY RECORD

2466

HALL - Kim

PROJECT NO.: 90247

PROJECT NAME: Armco - Union Wire Rope

SAMPLERS: David P Cercone

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CON-TAINERS	Total Pb	TCLP Pb					REMARKS
04-24-226-PLC	4/24	0830	Waste	Material excavated from Grid 5B + 5C	1	✓	✓					Phone before faxing
				Pile west of fuel depot								results to
				Duplicates: 04-24-225 (KCTL)								(816) 242-3170
				04-24-227 (Pace)								
												24-hour turn.

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
David P Cercone	4/24/91 1040				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	
		[illegible]	4/24/91 1040		

REMCOR

CHAIN OF CUSTODY RECORD

No. 2467

Page

PROJECT NO.: 90247

PROJECT NAME: Armco-Union Wire Rope

SAMPLERS: David P Cercone.

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CON-TAINERS	TCLP Pb	Total Pb					REMARKS
04-24-227-PLC	4/24	0830	WASTE	MATERIAL EXCAVATED FROM 5B + 5C	1	✓	✓					PHONE BEFORE
				PILE IS WEST OF FUEL DEPOT.								FAXING RESULTS TO:
				DUPLICATES: 04-24-225-PLC	(KCTL)							(816) 242-3170
				04-24-226-PLC	(HALL-KIA)							
												24-HOUR TURN.

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
David P Cercone	4/24/91 0750	Karen Simmerlie			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD 2468

KCTL

PROJECT NO.: 90247

PROJECT NAME: Armco - Union Wire Rope

SAMPLERS: David P. Cercone

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CON-TAINERS	TCLP Pb	Total Pb.					REMARKS
04-25-228-PLC	4/25	0730	Waste	Excavated mat. from Grid 5B	1	✓	✓					Phone before
				Duplicate is: 04-25-229-PLC								faxing results
												to: 242-3170.
												24-hour rush.

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
David P Cercone	4/25/91 0810	[illegible]			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

No. 2469

Hall - Kim

PROJECT NO.: 90247

PROJECT NAME: Armco - Union Wire Rope

SAMPLERS: David P Cercone

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	TCLP Pb	Total Pb.					REMARKS
04-25-229-PLC	4/25	0730	WASTE	EXCAVATED FROM GRID 5B	1	✓	✓					Phone BEFORE
				DUPLICATE IS: 04-25-228-PLC								FAXING RESULTS
												TO: (816) 242-3170
												24-HOUR TURN.

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
David P Cercone	4/25/91 0910	Carey K. Williams			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

NO. 2470

PROJECT NO.: 90247

PROJECT NAME: Armco-Union Wire Rope

SAMPLERS: DAVID P. CERCONE

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	TOTAL Pb	TCLP Pb					REMARKS KCTL
04-25-230-PLC	4/25	0715	WASTE	WASTE EXCAVATED FROM GRID 5C	1	✓	✓					PHONE BEFORE
				DUPLICATE IS: 04-25-231-PLC								FAXING RESULTS
												TO: 242-3170
												24-HOUR TURN.

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
David P. Cercone	4/26/91 0720	[illegible]			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

NO. 2471

PROJECT NO.: 90247

PROJECT NAME: Armco - Union Wire Rope

SAMPLERS: David P. Cercone

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	Total Pb	TCLP Pb					REMARKS Hall - Kim
04-25-231-PLC	4/25	0715	Waste	Waste excavated from Grid 5C	1	✓	✓					Phone before
				Duplicate is: 04-25-230-PLC								faxing results to:
												(816) 242-3170
												24-hour turn.

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
David P. Cercone	4/26/91 8:40 AM				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	
		[illegible]	4/26/91 8:40 AM		

REMCOR

CHAIN OF CUSTODY RECORD

NO. 2472

PROJECT NO.: 90247

PROJECT NAME: Armco - Union Wire Rope

SAMPLERS: DAVID P. CERCONE

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	TOTAL Pb	TCLP Pb					REMARKS KCTL
04-27-232-PLE	4/27	1330	WASTE	EXCAVATED FROM 5C DUPLICATE IS:	1	✓	✓					PHONE BEFORE
				04-27-233-PLE. PILE IS ~~WEST~~ EAST								FAXING RESULTS
				OF FUEL DEPOT E 4A + W 5A								TO: (216) 242-3170
04-27-234-PLC	4/27	1430	WASTE	EXCAVATED FROM 5C. DUPLICATE	1	✓	✓					24-HOUR TURN
				IS: 04-27-235-PLC								
				DIRECTLY N OF FUEL DEPOT								
04-28-236-PLE	4/28	1600	WASTE	EXCAVATED 6B+6C DUPLICATE: 04-28-237-PLE	1	✓	✓					
				PILE IS IN GRIDS 6F + 7F								
04-28-238-PLE	4/28	1600	WASTE	EXCAVATED FROM 6B+6C DUPLICATE IS	1	✓	✓					
				04-28-239-PLE PILE IS WEST OF								
				-236- IN GRID 5E+5F								

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
David P. Cercone	4/25/~~0000~~ 0800	Sam Ferro			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	
		Sam Ferro	4/29/91 0805		

REMCOR

CHAIN OF CUSTODY RECORD

No. 2473

PROJECT NO.: 90247

PROJECT NAME: Armco - Union Wire Rope

SAMPLERS: David P Cercone

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	TOTAL Pb	TCLP Pb					REMARKS
												HALL - KIM
04-27-233-PLE	4/27	1330	WASTE	EXCAVATE 5B DUPLICATE IS:	1	✓	✓					PHONE BEFORE
				04-27-232-PLE PILE IS ~~WEST~~ EAST - DPC								FAXING RESULTS
				OF FUEL DEPOT IN E 4A + N5A								TO (816) 242-3170
04-27-235-PLC	4/27	1430	WASTE	EXCAVATED FROM 5C. DUPLICATE	1	✓	✓					24-HOUR TURN
				IS: 04-27-234-PLC								
				DIRECTLY N. OF FUEL DEPOT.								
04-28-237-PLE	4/28	1600	WASTE	EXCAV FROM 6B + 6C DUP: 04-28-236-PLE	1	✓	✓					
				PILE IS IN GRID 6TF								
04-28-239-PLF	4/28	1605	WASTE	EXCAV. FROM 6B + 6C DUP: 04-28-238-PLC	1	✓	✓					
				PILE IS IN GRID 5E + 5F.								

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
David P Cercone					
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	
		Ann Seo	4/29/91 7Am		

REMCOR

CHAIN OF CUSTODY RECORD

No. 2474

PROJECT NO.: 90247

PROJECT NAME: Armco-Union Wire Rope

SAMPLERS: David P. Cercone

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	TOTAL PD	TCLP PD					REMARKS KCTL
04-28-240-PLE	4/28	1630	Waste	Excavated from GAB Dup: 04-28-241-PLE	2	✓	✓					Phone before
				Pile is in Grid 3D.								faxing results to 242-3170
												24-hour turn.

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
David P. Cercone	4/29/91 0800				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	
		Sam Ferro	4/29/91		

REMCOR

CHAIN OF CUSTODY RECORD

No. 2475

PROJECT NO.: 90247

PROJECT NAME: Armco-Union Wire Rope

SAMPLERS: David P. Cercone

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	Total Pb	TCLP Pb		DDP Pack.			REMARKS
04-28-241-PLE	4/28	1630	WASTE	EXCAVATED FROM 6A+B DUP: 04-28-240-PLE	1	✓	✓					HALL - KIM. PHONE BEFORE
				PILE IS IN GRID 3D.								FAXING RESULTS!
												TO: (816) 242-3170
08-05-195-BT	4/28	1105	SOIL	GRID 8F 0-6"	1				✓			
08-05-194-BT	4/28	1100	SOIL	GRID 8E 0-6"	1				✓			
11-02-196-BT	4/28	1300	SOIL	GRID 11D 0-6"	1				✓			24 HOUR TURN
12-01-197-BT	4/28	1115	SOIL	GRID 12B 0-6"	1				✓			

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
David P. Cercone	4/28/91 1631				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	
	4/29 0900	[illegible]	4/29/91 9AM		

REMCOR

CHAIN OF CUSTODY RECORD

No. 2476

PROJECT NO.: 90249

PROJECT NAME: Armco - Union Wire Rope

SAMPLERS: David P. Cercone

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	TCLP Pb	TOTAL Pb					REMARKS
04-29-242-PLE	4/29	1700	WASTE	EXCAVATED 6C DUP: 04-29-243	1	✓	✓					KCTL
				PILE IS IN GRIDS 2B+2C								

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
David P. Cercone	4/30/91 1005				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	
		Cynthia Paige	4-30-91 1507		

REMCOR

CHAIN OF CUSTODY RECORD

NO. 2477

PROJECT NO.: 90247

PROJECT NAME: Armco-Union Wire Rope

SAMPLERS: DAVID P. CERCONE

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	TCLP Pb	TOTAL Pb	TCLP Extract.				REMARKS
												HALL - KIM
04-29-243-PLE	4/29	1700	WASTE	EXCAVATED 6C DUP: 04-29-242	1	* ✓	* ✓	✓				~~HALL~~ DO EXTRACTIO
				PILE IS IN GRIDS 2B + 2C								BUT HOLD OFF ON
												ANALYSIS UNTIL NOTIF.
												HOLD OFF ON TOTAL PL
												ALSO.
						* - HOLD						

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
David P. Cercone	4/30/91 1130	Dallas J Pumbo			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

2478

PROJECT NO.: 90247

PROJECT NAME: UNION WIRE ROPE

SAMPLERS: HARRY L OWENS

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS		TOTAL PB.	DDP Package				REMARKS: HALL KIMB.
05-08-198-BT	5/1/91	1200	SOIL	GRID 5A 0"-6"	1		✓	✓				
05-08-199-BT	5/1/91	1210	SOIL	GRID 5A 6"-12"	1		✓					
05-08-201-BT	5/1/91	1220	SOIL	GRID 5B 0"-6"	1		✓	✓				
05-08-202-BT	5/1/91	1230	SOIL	GRID 5B 6"-12"	1		✓					CALL BEFORE
05-08-204-BT	5/1/91	1240	SOIL	GRID 5C 0"-6"	1		✓					FAXING INFO
05-08-205-BT	5/1/91	1250	SOIL	GRID 5C 6"-12"	1		✓					816 242 3170
06-08-207-BT	5/1/91	1300	SOIL	GRID 6A 0"-6"	1		✓					24 HR TURN.
06-08-208-BT	5/1/91	1310	SOIL	GRID 6A 6"-12"	1		✓					
06-08-209-BT	5/1/91	1320	SOIL	GRID 6B 0"-6"	1		✓	✓				
06-08-210-BT	5/1/91	1330	SOIL	GRID 6B 6"-12"	1		✓					
06-08-211-BT	5/1/91	1340	SOIL	GRID 6C 0"-6"	1		✓	✓				
06-08-212-BT	5/1/91	1350	SOIL	GRID 6C 6"-12"	1		✓					

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME 5-2-91 0740	RECEIVED FOR LAB BY:	DATE/TIME 5-2-91 7:45	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

NO. 2592

PROJECT NO.: 90247

PROJECT NAME: Armco - Union Wire Rope Rem

SAMPLERS: Harry Owens / David Percone

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	PP VOCs	250 ml GLASS					REMARKS
												Wadsworth/Alert
05-08-200-VOA	05/01	1305	Soil	Grid 5A	1							
05-08-203-VOA	05/01	1310	Soil	Grid 5B	1							
05-08-206-VOA	05/01	1315	Soil	Grid 5C	1							
												Fed Ex Airbill #: 879817 5536

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
David Percone	3/2/91 .902				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

No. 2479

PROJECT NO.: 90247

PROJECT NAME: UNION WIRE ROPE

SAMPLERS: HARRY L OWENS

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS		TCLP	TOTAL PB				REMARKS KCTC
05-01-244-PLE	5/1/91	1400	WASTE	EXCAVATED FROM 6C PILE ON 4B	1		✓	✓				
05-01-246-PLE	5/1/91	1420	WASTE	EXCAVATED FROM 6C PILE ON 3B	1		✓	✓				
05-01-248-PLE	5/1/91	1905	WASTE	EXCAVATE FROM 6C PILE ON 6C.	1		✓	✓				CALL BEFORE FAX
												INFO 816 242 3170
												24HR TURN
												"RUSH"

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY: [illegible]	DATE/TIME 5-2-91 0847	RECEIVED FOR LAB BY: Ophelia Page	DATE/TIME 5-2-91 846	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

2480

PROJECT NO.: 90247

PROJECT NAME: UNION WIRE ROPE

SAMPLERS: HARRY C OWENS.

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS		TCLP	TOTAL PB				REMARKS
												HALL-KIMB
05-01-245-PLE	5/1/91	1410	WASTE	EXCAVATED FROM GRID 6C. PILE ON 4B	1		✓	✓				
05-01-247-PLE	5/1/91	1430	WASTE	EXCAVATED FROM 6C PILE ON 3B	1		✓	✓				
05-01-249-PLE	5/1/91	1910	WASTE	EXCAVATED FROM 6C PILE ON 6C.	1		✓	✓				CALL BEFORE FAX
05-02-250-SLD	5/2/91	0730	SLUDGE	ON GRID 10E	1		✓	✓				INFO: 816 242 3170
												24 HR TURN!
												"RUSH"

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME 5-2-91 0941	RECEIVED FOR LAB BY:	DATE/TIME 5/2/91 1140	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

2481

PROJECT NO.: 90247

PROJECT NAME: UNION WIRE ROPE

SAMPLERS: HARRY L OWENS

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS		TOTAL PB	TCLP				REMARKS HALL + KIMB.
03-09-213-PLE	5/2/91	1520	WASTE	EXCAVATED GRID 3F PILE ON GRID 5D	1		✓	✓				
03-10-215-BT	5/2/91	1530	SOIL	GRID 3F, 0-6"	1		✓					
03-10-216-BT	5/2/91	1538	SOIL	GRID 3F, 6-12"	1		✓					CALL BEFORE
12-21-217-BT	5/2/91	1415	SOIL	GRID 12E, 0-6"	1		✓					FAX INFO
12-21-218-BT	5/2/91	1415	SOIL	GRID 12E, 6-12"	1		✓					816 242 3170
09-21-219-BT	5/2/91	1510	SOIL	GRID 9F, 0-6"	1		✓					"24 HR TURN"
09-21-220-BT	5/2/91	1510	SOIL	GRID 9F, 6-12"	1		✓					
~~10-21-221-BT~~	~~5/2/91~~	~~1500~~	~~SOIL~~	~~✓ OTD, 0-6"~~	~~1~~		~~✓~~	HLO.				
~~10-21-222-BT~~	~~5/2/91~~	~~1500~~	~~SOIL~~	~~✓ OTD HLO~~	~~1~~		~~✓~~					
11-21-223-BT	5/2/91	1445	SOIL	GRID 11F, 06"	1		✓					
11-22-224-BT	5/2/91	1445	SOIL	GRID 11F, 6-12"	1		✓					
12-21-225-BT	5/2/91	1430	SOIL	GRID 12F, 0-6"	1		✓					

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
[signature]	5-03-91 11:40	Darla J Paulz			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
	5-03-91 1141				
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

No. 2482

PROJECT NO.: 90247

PROJECT NAME: UNION WIRE ROPE

SAMPLERS: HARRY L OWENS

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS		Total Pb	TCLP				REMARKS
03-09-214-PLE	5/2/91	1520	WASTE	EXCAVATED FROM 3rd PILE ON FLOW 50	1		✓	✓				KCTL
												CALL BEFORE
												FAX INFO
												816 242 3170
												"24 HR TURN."

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY: [signature]	DATE/TIME 5-3-91 1030	RECEIVED FOR LAB BY: [signature]	DATE/TIME 5/3/91 1035	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD 2483

PROJECT NO.: 90 247

PROJECT NAME: UNION WIRE ROPE

SAMPLERS: HARRY L OWENS.

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS		Total PB	TCLP				REMARKS HALL KIMB.
12-21-226-BT	5/2/91	1430	SOIL	GRID 12F, 6-12"	1		✓					
06-12-227-BT	5/2/91	1600	SOIL	GRID 6D, 0-6"	1		✓					
06-12-228-BT	5/2/91	1600	SOIL	GRID 6D, 6-12"	1		✓					CALL BEFORE
06-14-229-BT	5/2/91	1545	SOIL	GRID 6E, 0-6"	1		✓					FIX TIME
06-14-230-BT	5/2/91	1545	SOIL	GRID 6E, 6-12"	1		✓					FILE CHAIN
03-14-231-BT	5/3/91	0700	SOIL	GRID 3D, 0-6"	1		✓					24 HR TURN
03-14-232-BT	5/3/91	0905	SOIL	GRID 3D, 6-12"	1		✓					

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
[signature]	5-03-91 11:40A	Darla J Paul			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
[signature]	5-3-91 1141				
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

REMCOR

CHAIN OF CUSTODY RECORD

No. 2484

PROJECT NO.: 90247

PROJECT NAME: UNION WIRE ROPE

SAMPLERS: HARRY C OWENS

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	TOTAL PB						REMARKS
												HALL & KIMB.
#05-09-231-BT	05/07/91	0820	0"-6" SOIL	GRID SC 0-6"	1	X						
												CALL BEFORE FAX
												INFO #816 2423170
												24 HR TURN.

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
[signature]	5-7-91 1040				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	
		[signature]	5/7/91 10:40		

REMCOR

CHAIN OF CUSTODY RECORD

No. 2485

PROJECT NO.: 90247

PROJECT NAME: UNION WIRE ROPE

SAMPLERS: HARRY L OWENS

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS		TOTAL PB					REMARKS
05-09-232-BT	5/7/91	0535	SOIL	GRID 5C 6-12"	1		X					
03-10-233-BT	5/7/91	0545	SOIL	GRID 3C 0-6"	1		X					"24 HR TURN"
03-10-234-BT	5/7/91	1600	SOIL	GRID 3C 6-12"	1		X					CALL BEFORE FAX
10-11-235-BT	5/7/91	1615	SOIL	GRID 10C 0-6"	1		X					INFO (816) 242-3170
10-11-236-BT	5/7/91	1620	SOIL	GRID 10C 6-12"	1		X					

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
[signature]	5-8-91 0830				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	
		[signature]	5/8/91 8:35		

REMCOR

CHAIN OF CUSTODY RECORD

No. 2486

PROJECT NO.: 90247

PROJECT NAME: UNION WIRE ROPE

SAMPLERS: HARRY / OWENS

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CON-TAINERS		TOTAL PB					REMARKS
05-09-237-BT	5/8/91	1800	SOIL	GRID 5C 0-6"	1		✓					
05-09-238-BT	5/8/91	1805	SOIL	GRID 5C 6-12"	1		✓					24 HR TURN
												CALL BEFOR FAX
												INFO 816 242 3170

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
[illegible]	5-9-91 0810				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	
		[illegible]	5/9/91 8:10		

REMCOR

CHAIN OF CUSTODY RECORD № 2487

PROJECT NO.: 923-17

PROJECT NAME: Armco - Union Wire Rope

SAMPLERS: Ron Pagley

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	Total Pb						REMARKS
12-02-23Y-BT	6-18-91	1300	Soil	GR10 12B 0-6"	1	✓						24-hour
12-02-24Y-BT	6-18-91	1310	Soil	GR10 12B 6-12"	1	✓						TURNAROUND

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
Ron Pagley	6-18-91 1520	David J Parker			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

APPENDIX C

ANALYTICAL REPORTS
SOIL AND WASTE DATA

Hall-Kimbrell

August 8, 1990

Mr. Bill Beck
REMCOR
701 Alpha Drive, PO Box 38310
Pittsburgh, PA 15238

Re: Analytical Results
#59303191-900806-01
Armco/Union [illegible]
North End Landfill

Dear Mr. Beck:

Enclosed are the analytical results for the two samples received on August 4, 1990. The samples were analyzed for open cup flashpoint, TCLP metals, PCB's, F-Code solvent scan, pH, TCLP nickel, extractable organic halogens, reactivity and paint filter test. Do to a miss communication the results for total phenols will follow upon completion. No analytical problems were encountered with the analysis of the samples and all associated QC samples were within criteria. Analytical results are summarized on the following pages.

If you have any questions regarding this data, please do not hesitate to contact me at (913) 865-9429 or Darla Paulsen at (913) 865-9434. Thank you for using PSI/Hall-Kimbrell Environmental Services.

Sincerely,

Darla J Paulsen

for T.S. Viswanathan, PhD
Environmental Chemistry Division Manager

TSV/crk

Encls.

Hall-Kimbrell Environmental Services, Inc.
Lawrence: 4840 West 15th Street P.O. Box 307 Lawrence, KS 66044-0307 ☎ (913) 749-2381 (800) 445-0682 FAX (913) 865-9114

Remcor
59303191-900803-01
August 8, 1990

HKES#	CLIENT#	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD
644324	WS-1	Arsenic	< 0.04	0.04	mg/L	6010
		Barium	0.59	0.001	mg/L	6010
		Cadmium	0.019	0.002	mg/L	6010
		Hexavalent Chromium	< 0.005	0.005	mg/L	6010
		Lead	257.	0.03	mg/L	6010
		Mercury	< 0.0002	0.0002	mg/L	7470
		Nickel	0.034	0.009	mg/L	6010
		Selenium	0.08	0.05	mg/L	6010
		Silver	< 0.003	0.003	mg/L	6010
		Flashpoint	> 245	75.0	^{o}F	ASTM D92
		pH	8.05	0.01	UNITS	9045
		Paint Filter	Pass	NA	NA	9095
		Extractable Organic Halogens	16.	10.	mg/kg	9076
		Reactivity				SW 7.3
		Cyanide:				9010
		Total Available	< 0.5	0.5	mg/kg	
		Specific Rate of Release	< 0.0003	0.0003	mg/kg*sec	
		Sulfide:				9030
		Total Available	< 0.5	0.5	mg/kg	
		Specific Rate of Release	< 0.0003	0.0003	mg/kg*sec	

HKES#	CLIENT#	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD
644325	WS-2	Arsenic	< 0.04	0.04	mg/L	6010
		Barium	1.37	0.001	mg/L	6010
		Cadmium	0.016	0.002	mg/L	6010
		Hexavalent Chromium	< 0.005	0.005	mg/L	6010
		Lead	47.7	0.03	mg/L	6010
		Mercury	< 0.0002	0.0002	mg/L	7470
		Nickel	0.053	0.009	mg/L	6010
		Selenium	0.15	0.05	mg/L	6010
		Silver	< 0.003	0.003	mg/L	6010
		Flashpoint	> 245	75.0	^{o}F	ASTM D92
		pH	7.64	0.01	UNITS	9045
		Paint Filter	Pass	NA	NA	9095
		Extractable Organic Halogens	190.	10.	mg/kg	9076
		Reactivity				SW 7.3
		Cyanide:				9010
		Total Available	< 0.5	0.5	mg/kg	
		Specific Rate of Release	< 0.0003	0.0003	mg/kg*sec	
		Sulfide:				9030
		Total Available	< 0.5	0.5	mg/kg	
		Specific Rate of Release	< 0.0003	0.0003	mg/kg*sec	

PS] / LL-KIMBRELL ENVIRONMENTAL ERVICES
ANALYTICAL REPORT
8-AUG-1990 16:05:34.99

USER: HODGSON

PROJECT: 59303191 - NORTH END LANDFILL - VWR
CLIENT: REMCOR

CLIENT SAMPLE #: VS - 1
LAB SAMPLE #: 0000644324 BATCH: 90080301
METHOD: 8080:1 MATRIX: SOIL
ANALYST: RENEA FAUSETT

ANALYT	RESULT	QC	DET. LIMIT	UNITS
PCB-1016	< 8.0	U	8.0	ug/Kg
PCB-1221	< 8.0	U	8.0	ug/Kg
PCB-1232	< 8.0	U	8.0	ug/Kg
PCB-1242	< 8.0	U	8.0	ug/Kg
PCB-1248	< 8.0	U	8.0	ug/Kg
PCB-1254	950		8.0	ug/Kg
PCB-1260	< 8.0	U	8.0	ug/Kg

QC FLAGS USED:

U = sample was analysed, but analyte was not detected
. indicated detection limit.
J = result is an estimated value; conc. below detection limit
B = analyte was detected in the method blank

PS /HALL-F BRELL ENVIRONMENTAL SERVI S
ANALYTICAL REPORT
8-AUG-1990 16:05:34.99

USER: HODGSON

PROJECT: 59303191 - NORTH END LANDFILL - VWR
CLIENT: REMCOR

CLIEN SAMPLE #: WS - 2
LAB SAMPLE #: 0000644325 BATCH: 90080301
METHOD: 8080:1 MATRIX: SOIL
ANALYST: RENEA FAUSETT

ANALYT	RESULT	QC	DET. LIMIT	UNITS
PCB-1016	< 8.0	U	8.0	ug/Kg
PCB-1221	< 8.0	U	8.0	ug/Kg
PCB-1232	< 8.0	U	8.0	ug/Kg
PCB-1242	< 8.0	U	8.0	ug/Kg
PCB-1248	< 8.0	U	8.0	ug/Kg
PCB-1254	< 8.0	U	8.0	ug/Kg
PCB-1260	1200		8.0	ug/Kg

QC FLAGS USED:

U = sample was analysed, but analyte was not detected
: indicate detection limit.
J = result is a estimated value; conc. below detection limit
B = analyte was detected in the method blank

PSI/ LL-KIMBRELL ENVIRONMENTAL ERVICES
ANALYTICAL REPORT
8-AUG-1990 14:52:24.47

USER: FAUSETT

PROJECT: 59303191 - NORTH END LANDFILL - VWR
CLIENT: REMCOR

CLIENT SAMPLE #: WS - 1
LAB SAMPLE #: 0000644324 BATCH: 90080301
METHOD: F_CODE:1 MATRIX: SOIL
ANALYST: RENEA FAUSETT

ANALYTE	RESULT	QC	DET. LIMIT	UNITS
1,1,1-TRICHLOROETHANE	< 100	U	100	mg/Kg
FREON TF	< 100	U	100	mg/Kg
1,1,2-TRICHLOROETHANE	< 100	U	100	mg/Kg
2-ETHOXYETHANOL	< 100	U	100	mg/Kg
2-NITROPROPANE	< 100	U	100	mg/Kg
ACETONE	< 100	U	100	mg/Kg
BENZENE	< 100	U	100	mg/Kg
CARBON DISULFIDE	< 100	U	100	mg/Kg
CHLOROBENZENE	< 100	U	100	mg/Kg
CRESOLS	< 100	U	100	mg/Kg
CYCLOHEXANONE	< 100	U	100	mg/Kg
ETHYL ACETATE	< 100	U	100	mg/Kg
ETHYL BENZENE	< 100	U	100	mg/Kg
ETHYL ETHER	< 100	U	100	mg/Kg
ISOBUTANOL	< 100	U	100	mg/Kg
METHANOL	< 100	U	100	mg/Kg
METHYL ETHYL KETONE	< 100	U	100	mg/Kg
METHYL ISOBUTYL KETONE	< 100	U	100	mg/Kg
METHYLENE CHLORIDE	< 100	U	100	mg/Kg
N-BUTYL ALCOHOL	< 100	U	100	mg/Kg
NITROBENZENE	< 100	U	100	mg/Kg
O-DICHLOROBENZENE	< 100	U	100	mg/Kg
PYRIDINE	< 100	U	100	mg/Kg
TETRACHLOROETHYLENE	< 100	U	100	mg/Kg
TOLUENE	< 100	U	100	mg/Kg
TRICHLOROETHYLENE	< 100	U	100	mg/Kg
TRICHLOROFLUOROMETHANE	< 100	U	100	mg/Kg
XYLENES	< 100	U	100	mg/Kg
Carbon Tetrachloride	< 100	U	100	mg/Kg

QC FLAGS USED:

U = Sample was analysed, but analyte was not detected at indicated detection limit.
J = Result is an estimated value; conc. below detection limit
B = Analyte was detected in the method blank

PSI/HALL-K RELL ENVIRONMENTAL SERVIC
ALYTICAL REPORT
8-AUG-1990 14:52:24.47

USER: FAUSETT

PROJECT: 59303191 - NORTH END LANDFILL - VWR
CLIENT: REMCOR

CLIENT SAMPLE #: WS - 2
LAB SAMPLE #: 0000644325 BATCH: 90080301
METHOD: F_CODE:1 MATRIX: SOIL
ANALYST: RENEA FAUSETT

ANALYTE	RESULT	QC	DET. LIMIT	UNITS
1,1,1-TRICHLOROETHANE	< 100	U	100	mg/Kg
FREON TF	< 100	U	100	mg/kg
1,1,2-TRICHLOROETHANE	< 100	U	100	mg/Kg
2-ETHOXYETHANOL	< 100	U	100	mg/Kg
2-NITROPROPANE	< 100	U	100	mg/Kg
ACETONE	< 100	U	100	mg/Kg
BENZENE	< 100	U	100	mg/Kg
CARBON DISULFIDE	< 100	U	100	mg/Kg
CHLOROBENZENE	< 100	U	100	mg/Kg
CRESOLS	< 100	U	100	mg/Kg
CYCLOHEXANONE	< 100	U	100	mg/Kg
ETHYL ACETATE	< 100	U	100	mg/Kg
ETHYL BENZENE	< 100	U	100	mg/Kg
ETHYL ETHER	< 100	U	100	mg/Kg
ISOBUTANOL	< 100	U	100	mg/Kg
METHANOL	< 100	U	100	mg/Kg
METHYL ETHYL KETONE	< 100	U	100	mg/Kg
METHYL ISOBUTYL KETONE	< 100	U	100	mg/Kg
METHYLENE CHLORIDE	< 100	U	100	mg/Kg
N-BUTYL ALCOHOL	< 100	U	100	mg/Kg
NITROBENZENE	< 100	U	100	mg/Kg
O-DICHLOROBENZENE	< 100	U	100	mg/Kg
PYRIDINE	< 100	U	100	mg/Kg
TETRACHLOROETHYLENE	< 100	U	100	mg/Kg
TOLUENE	< 100	U	100	mg/Kg
TRICHLOROETHYLENE	< 100	U	100	mg/Kg
TRICHLOROFLUOROMETHANE	< 100	U	100	mg/Kg
XYLENES	< 100	U	100	mg/Kg
Carbon Tetrachloride	< 100	U	100	mg/Kg

QC FLAGS USED:

U = Sample was analysed, but analyte was not detected at indicated detection limit.
J = Result is an estimated value; conc. below detection limit
B = Analyte was detected in the method blank

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON
A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

August 20, 1990

REMCOR
Attention: Mr. John S. Evan

KCTL Job No.: 86202-90-0246

Reference: Six soil samples received 8-20-90

Analysis: Total lead by method SW846-3050/7420

SAMPLE ID	DET. LIMIT	CONCENTRATION
001-SOIL	12 mg/Kg	1721 mg/Kg
001R-SOIL	12 mg/Kg	1699 mg/Kg
002-SOIL	5 mg/Kg	613 mg/Kg
003-SOIL	25 mg/Kg	4788 mg/Kg
004-SOIL	50 mg/Kg	9776 mg/Kg
005-SOIL	50 mg/Kg	6571 mg/Kg

WILSON LABORATORIES

EIGHTH • P O BOX 1584 • SALINA, KANSAS 67402-1584 • (913) 825-7186

*** F A X T R A N S M I T T A L ***

DATE: 22 Aug 1990

FAX NUMBER: 816-242-3170

TO: John Evans
Remcor, Inc

FROM: Doreen Simpson

LAB FILE NO: _____

COMMENTS: _____

NUMBER OF COPIES INCLUDING TRANSMITTAL SHEET: 6

f you do not receive all the sheets please call 913-825-7186

Our FAX number is 913-827-0932

WILSON LABORATORIES

525 NORTH EIGHTH STREET - P.O. BOX 1820 - SALINA, KANSAS 67402-1820 - (913)825-7186

AUGUST 22, 1990

REMCOR, INC.
2100 MANCHESTER TFWY
KANSAS CITY MO 64126

ATTN : JOHN EVAN

RE: WILSON LABORATORIES FILE NO. 90-9685

ENCLOSED ARE THE REPORTS FOR THE SAMPLES AS LISTED BELOW:

WILSON LAB ID #	ORDER NO.	SAMPLE DESCRIPTION
9009027300	06531	006R-S
9009027400	06531	008R-S
9009027500	06531	009R-S
9009027600	06531	010-SC
9009027700	06531	011-SC
9009027800	06531	012-SC
9009027900	06531	013-SC
9009028000	06531	014-SC
9009028100	06531	015-SC

ND(), WHERE NOTED, INDICATES NONE DETECTED WITH THE DETECTION LIMIT IN PARENTHESES.

ANALYSES WERE PERFORMED ON SAMPLES AS RECEIVED IN ACCORDANCE WITH PROCEDURES REFERENCED IN THE FEDERAL REGISTER, VOL. 49, NO. 209, OCT. 26, 1984; PUBLISHED IN EPA PUBLICATION, SW 846, 2ND ED., JULY 1982 AND IN THE PROPOSED ADDITION TO SW 846, 1984; OR IN EPA PUBLICATION, SW846 3RD ED.,SEPTEMBER 1986. WHERE APPROVED METHODS ARE NOT AVAILABLE, EFFORTS ARE MADE TO USE APPROPRIATE STANDARD METHODS.

REMAINING SAMPLES WILL BE RETAINED FOR 30 DAYS UNLESS OTHERWISE NOTIFIED.

WILSON LABORATORIES

Stephen P Allin

ENCLOSURE

W SON LABORATORIES

525 NORTH EIGHTH STREET - P.O. BOX 1820 - SALINA, KANSAS 67402-1820
(913)825-7186

LABORATORY REPORT

CLIENT: REMCOR, INC.
ATTN: JOHN EVAN
2100 MANCHESTER TFWY
KANSAS CITY, MO 64126

DATE RPTD: 08/22/90
DATE RCVD: 08/22/90
PURCHASE AUTH:
FILE NO.: 90-9685
ORDER NO.: 06531

LAB NUMBER: 90090273
SAMPLE DESCRIPTION: 006R-S

DATE SAMPLED: 08/21/90
TIME SAMPLED: 0845

ANALYSIS	CONCENTRATION	UNITS	BOOK-PAGE
LEAD, TOTAL	6270	MG/KG	1363-109

—CONCLUSION—LAB NUMBER: 90090273 006R-S

LAB NUMBER: 90090274
SAMPLE DESCRIPTION: 008R-S

DATE SAMPLED: 08/21/90
TIME SAMPLED: 0855

ANALYSIS	CONCENTRATION	UNITS	BOOK-PAGE
LEAD, TOTAL	7730	MG/KG	1363-109

—CONCLUSION—LAB NUMBER: 90090274 008R-S

LAB NUMBER: 90090275
SAMPLE DESCRIPTION: 009R-S

DATE SAMPLED: 08/21/90
TIME SAMPLED: 0830

ANALYSIS	CONCENTRATION	UNITS	BOOK-PAGE
LEAD, TOTAL	6390	MG/KG	1363-109

—CONCLUSION—LAB NUMBER: 90090275 009R-S

LAB NUMBER: 90090276
SAMPLE DESCRIPTION: 010-SC

DATE SAMPLED: 08/21/90
TIME SAMPLED: 0930

ANALYSIS	CONCENTRATION	UNITS	BOOK-PAGE
LEAD, TOTAL	560	MG/KG	1363-109

—CONCLUSION—LAB NUMBER: 90090276 010-SC

CLIENT: REMCOR, INC.

FILE NO.: 90-9685
ORDER NO.: 06531

LAB NUMBER: 90090277
SAMPLE DESCRIPTION: 011-SC

DATE SAMPLED: 08/21/90
TIME SAMPLED: 0930

ANALYSIS	CONCENTRATION	UNITS	BOOK-PAGE
LEAD, TOTAL	184	MG/KG	1363-109

—CONCLUSION—LAB NUMBER: 90090277 011-SC

LAB NUMBER: 90090278
SAMPLE DESCRIPTION: 012-SC

DATE SAMPLED: 08/21/90
TIME SAMPLED: 0950

ANALYSIS	CONCENTRATION	UNITS	BOOK-PAGE
LEAD, TOTAL	5060	MG/KG	1363-109

—CONCLUSION—LAB NUMBER: 90090278 012-SC

LAB NUMBER: 90090279
SAMPLE DESCRIPTION: 013-SC

DATE SAMPLED: 08/21/90
TIME SAMPLED: 0950

ANALYSIS	CONCENTRATION	UNITS	BOOK-PAGE
LEAD, TOTAL	676	MG/KG	1363-109

—CONCLUSION—LAB NUMBER: 90090279 013-SC

LAB NUMBER: 90090280
SAMPLE DESCRIPTION: 014-SC

DATE SAMPLED: 08/21/90
TIME SAMPLED: 1030

ANALYSIS	CONCENTRATION	UNITS	BOOK-PAGE
LEAD, TOTAL	211	MG/KG	1363-109

—CONCLUSION—LAB NUMBER: 90090280 014-SC

LAB NUMBER: 90090281
SAMPLE DESCRIPTION: 015-SC

DATE SAMPLED: 08/21/90
TIME SAMPLED: 1030

ANALYSIS	CONCENTRATION	UNITS	BOOK-PAGE

CLIENT: REMCOR, INC.

FILE NO.: 90-9685
ORDER NO.: 06531

LAB NUMBER: 90090281 (CONT.)

ANALYSIS	CONCENTRATION	UNITS	BOOK-PAGE
LEAD, TOTAL	81.5	MG/KG	1363-109

—CONCLUSION—LAB NUMBER: 90090281 015-SC

WILSON LABORATORIES

525 NORTH EIGHTH STREET - P.O. BOX 1820 - SALINA, KANSAS 67402-1820
(913)825-7186

LABORATORY REPORT PAGE 1

CLIENT: REMCOR, INC.
ATTN: JOHN EVAN
2100 MANCHESTER TFWY
KANSAS CITY, MO 64126

DATE RPTD: 08/22/90
DATE RCVD: 08/22/90
PURCHASE AUTH:
FILE NO.: 90-9685
ORDER NO.: 06531

LAB NUMBER: 90090273
SAMPLE DESCRIPTION: 006R-S

DATE SAMPLED: 08/21/90
TIME SAMPLED: 0845

ANALYSIS	CONCENTRATION	UNITS	BOOK-PAGE
LEAD, TOTAL	6270	MG/KG	1363-109

—CONCLUSION—LAB NUMBER: 90090273 006R-S

LAB NUMBER: 90090274
SAMPLE DESCRIPTION: 008R-S

DATE SAMPLED: 08/21/90
TIME SAMPLED: 0855

ANALYSIS	CONCENTRATION	UNITS	BOOK-PAGE
LEAD, TOTAL	7730	MG/KG	1363-109

—CONCLUSION—LAB NUMBER: 90090274 008R-S

LAB NUMBER: 90090275
SAMPLE DESCRIPTION: 009R-S

DATE SAMPLED: 08/21/90
TIME SAMPLED: 0830

ANALYSIS	CONCENTRATION	UNITS	BOOK-PAGE
LEAD, TOTAL	6390	MG/KG	1363-109

—CONCLUSION—LAB NUMBER: 90090275 009R-S

LAB NUMBER: 90090276
SAMPLE DESCRIPTION: 010-SC

DATE SAMPLED: 08/21/90
TIME SAMPLED: 0930

ANALYSIS	CONCENTRATION	UNITS	BOOK-PAGE
LEAD, TOTAL	560	MG/KG	1363-109

—CONCLUSION—LAB NUMBER: 90090276 010-SC

WILSON LABORATORIES

LABORATORY REPORT

CLIENT: REMCOR, INC.

FILE NO.: 90-9685
ORDER NO.: 06531

LAB NUMBER: 90090277
SAMPLE DESCRIPTION: 011-SC

DATE SAMPLED: 08/21/90
TIME SAMPLED: 0930

ANALYSIS	CONCENTRATION	UNITS	BOOK-PAGE
LEAD, TOTAL	184	MG/KG	1363-109

—CONCLUSION—LAB NUMBER: 90090277 011-SC

LAB NUMBER: 90090278
SAMPLE DESCRIPTION: 012-SC

DATE SAMPLED: 08/21/90
TIME SAMPLED: 0950

ANALYSIS	CONCENTRATION	UNITS	BOOK-PAGE
LEAD, TOTAL	5060	MG/KG	1363-109

—CONCLUSION—LAB NUMBER: 90090278 012-SC

LAB NUMBER: 90090279
SAMPLE DESCRIPTION: 013-SC

DATE SAMPLED: 08/21/90
TIME SAMPLED: 0950

ANALYSIS	CONCENTRATION	UNITS	BOOK-PAGE
LEAD, TOTAL	676	MG/KG	1363-109

—CONCLUSION—LAB NUMBER: 90090279 013-SC

LAB NUMBER: 90090280
SAMPLE DESCRIPTION: 014-SC

DATE SAMPLED: 08/21/90
TIME SAMPLED: 1030

ANALYSIS	CONCENTRATION	UNITS	BOOK-PAGE
LEAD, TOTAL	211	MG/KG	1363-109

—CONCLUSION—LAB NUMBER: 90090280 014-SC

LAB NUMBER: 90090281
SAMPLE DESCRIPTION: 015-SC

DATE SAMPLED: 08/21/90
TIME SAMPLED: 1030

ANALYSIS	CONCENTRATION	UNITS	BOOK-PAGE

WILSON LABORATORIES

LABORATORY REPORT

CLIENT: RENCOR, INC.

FILE NO.: 90-9685
ORDER NO.: 06531

LAB NUMBER: 90090281 (CONT.)

ANALYSIS	CONCENTRATION	UNITS	BOOK-PAGE
LEAD, TOTAL	81.5	MG/KG	1363-109

—CONCLUSION—LAB NUMBER: 90090281 015-SC

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON
A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

August 21, 1990

REMCOR
Attention: Mr. John S. Evan

KCTL Job No.: 86202-90-0246

Reference: Four soil samples received 8-21-90

Analysis: Total lead by method SW846-3050/7420

SAMPLE ID	DET. LIMIT	CONCENTRATION
006-SOIL	25 mg/Kg	8048 mg/Kg
007-SOIL	25 mg/Kg	6173 mg/Kg
008-SOIL	25 mg/Kg	5757 mg/Kg
009-SOIL	25 mg/Kg	3676 mg/Kg

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON
A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

August 22, 1990

REMCOR
Attention: Mr. John S. Evan

KCTL Job No.: 86202-90-0246

Reference: Four soil samples received 8-22-90

Analysis: Total lead by method SW846-3050/7420

SAMPLE ID	DET. LIMIT	CONCENTRATION
016-SOIL	12 mg/Kg	1776 mg/Kg
017-SOIL	12 mg/Kg	319 mg/Kg
018-SOIL	12 mg/Kg	1511 mg/Kg
019-SOIL	12 mg/Kg	1668 mg/Kg
020-SOIL	12 mg/Kg	3175 mg/Kg

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY

1669 JEFFERSON
A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

August 24, 1990

REMCOR
Attention: Mr. John S. Evan

KCTL Job No.: 86202-90-0246

Reference: Four soil samples received 8-24-90

Analysis: Total lead by method SW846-3050/7420

SAMPLE ID	DET. LIMIT	CONCENTRATION
03-01-001 S	5 mg/Kg	713 mg/Kg
09-07-001 S	5 mg/Kg	32 mg/Kg
09-07-002 S	5 mg/Kg	36 mg/Kg
09-07-003 S	5 mg/Kg	36 mg/Kg
10-07-001 S	5 mg/Kg	91 mg/Kg
10-07-002 S	5 mg/Kg	46 mg/Kg
10-07-003 S	5 mg/Kg	960 mg/Kg
10-07-004 S	5 mg/Kg	896 mg/Kg
11-08-001 S	5 mg/Kg	29 mg/Kg
11-08-002 S	5 mg/Kg	25 mg/Kg
11-08-003 S	5 mg/Kg	914 mg/Kg
11-08-004 S	5 mg/Kg	1034 mg/Kg
TP1-08-001 S	5 mg/Kg	24 mg/Kg
TP1-08-002 S	5 mg/Kg	16 mg/Kg
TP1-08-003 S	5 mg/Kg	1243 mg/Kg
TP1-08-004 S	5 mg/Kg	1361 mg/Kg
TP1-08-005 S	50 mg/Kg	8617 mg/Kg
TP2-08-001 S	5 mg/Kg	28 mg/Kg
TP2-08-002 S	5 mg/Kg	53 mg/Kg
TP2-08-003 S	50 mg/Kg	16934 mg/Kg
TP3-08-001 S	5 mg/Kg	30 mg/Kg
TP3-08-002 S	5 mg/Kg	1420 mg/Kg
TP3-08-003 S	25 mg/Kg	8585 mg/Kg
TP3-08-004 S	25 mg/Kg	12463 mg/Kg

KANSAS CITY TESTING LABORATORY

August 26, 1990

REMCOR
Attention: Mr. John S. Evan

KCTL Job No.: 86202-90-0246

Reference: Seven soil samples received 8-26-90

Analysis: Total lead by method SW846-3050/7420

SAMPLE ID	DET. LIMIT	CONCENTRATION
11-08-016 S	5 mg/Kg	56.8 mg/Kg
11-08-017 S	5 mg/Kg	41.0 mg/Kg
11-08-018 S	5 mg/Kg	388 mg/Kg
11-08-019 S	5 mg/Kg	260 mg/Kg
11-08-020 S	100 mg/Kg	12,383 mg/Kg
11-08-021 S	100 mg/Kg	12,839 mg/Kg
11-08-022 S	100 mg/Kg	11,580 mg/Kg

KANSAS CITY TESTING LABORATORY

August 27, 1990

REMCOR
Attention: Mr. John S. Evan

KCTL Job No.: 86202-90-0246

Reference: Five soil samples received 8-26-90

Analysis: Total lead by method SW846-3050/7420

SAMPLE ID	DET. LIMIT	CONCENTRATION
FL-00-001 S	5 mg/Kg	16.3 mg/Kg
FL-00-002 S	5 mg/Kg	19.7 mg/Kg
10-06-006 S 7	5 mg/Kg	147 mg/Kg
10-06-007 S 8	100 mg/Kg	4,541 mg/Kg
10-06-008 S 9	5 mg/Kg	98 mg/Kg

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON
A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

August 29, 1990

REMCOR
Attention: Mr. John S. Evan

KCTL Job No.: 8602-90-0246

Reference: Eighteen soil samples received 8-27-90

Analysis: Total leads by method SW846-3050/7420

SAMPLE ID	DET. LIMIT	CONCENTRATION
08-00-001-S	50 mg/Kg	8313.7 mg/Kg
08-00-002-S	" "	1061.1 mg/Kg
08-00-003-S	" "	2957.7 mg/Kg
09-08-021-S	" "	11936.1 mg/Kg
09-08-022-S	" "	4666.6 mg/Kg
09-08-023-S	" "	9920.3 mg/Kg
09-08-024-S	" "	7011.9 mg/Kg
09-08-025-S	" "	985.9 mg/Kg
09-08-026-S	" "	4920.0 mg/Kg
10-08-010-S	" "	8520.0 mg/Kg
10-08-011-S	" "	1082.4 mg/Kg
10-08-012-S	" "	1219.2 mg/Kg
10-08-013-S	" "	2287.9 mg/Kg
10-08-014-S	" "	1500.5 mg/Kg
10-08-015-S	" "	5288.2 mg/Kg
10-08-016-S	" "	3904.3 mg/Kg
10-08-017-S	" "	1809.1 mg/Kg
10-08-018-S	" "	4128.7 mg/Kg

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY

1669 JEFFERSON
A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

August 29, 1990

REMCOR
Attention: Mr. John S. Evan

KCTL Job No.: 8602-90-0246

Reference: Eighteen soil samples received 8-27-90

Analysis: EPTOX by method SW846-1310

SAMPLE ID	DET. LIMIT	CONCENTRATION
08-00-001-S	.05 mg/Kg	2.4 mg/Kg
08-00-002-S	" "	none detected
08-00-003-S	" "	.15 mg/Kg
09-08-021-S	" "	.34 mg/Kg
09-08-022-S	" "	none detected
09-08-023-S	" "	.62 mg/Kg
09-08-024-S	" "	.05 mg/Kg
09-08-025-S	" "	none detected
09-08-026-S	" "	none detected
10-08-010-S	" "	.15 mg/Kg
10-08-011-S	" "	none detected
10-08-012-S	" "	.25 mg/Kg
10-08-013-S	" "	.49 mg/Kg
10-08-014-S	" "	none detected
10-08-015-S	" "	.62 mg/Kg
10-08-016-S	" "	.05 mg/Kg
10-08-017-S	" "	.05 mg/Kg
10-08-018-S	" "	.43 mg/Kg

WILSON LABORATORIES

525 NORTH EIGHTH STREET - P.O. BOX 1820 - SALINA, KANSAS 67402-1820 - (913)825-7186

AUGUST 30, 1990

REMCOR, INC.
2100 MANCHESTER TFWY
KANSAS CITY MO 64126

ATTN : JOHN EVAN

RE: WILSON LABORATORIES FILE NO. 90-9685

ENCLOSED ARE THE REPORTS FOR THE SAMPLES AS LISTED BELOW:

WILSON LAB ID #	ORDER NO.	SAMPLE DESCRIPTION
9009028200	06532	006R-S
9009028300	06532	008R-S
9009028400	06532	009R-S

ND(), WHERE NOTED, INDICATES NONE DETECTED WITH THE DETECTION LIMIT IN PARENTHESES.

ANALYSES WERE PERFORMED ON SAMPLES AS RECEIVED IN ACCORDANCE WITH PROCEDURES REFERENCED IN THE FEDERAL REGISTER, VOL. 49, NO. 209, OCT. 26, 1984; PUBLISHED IN EPA PUBLICATION, SW 846, 2ND ED., JULY 1982 AND IN THE PROPOSED ADDITION TO SW 846, 1984; OR IN EPA PUBLICATION, SW846 3RD ED.,SEPTEMBER 1986. WHERE APPROVED METHODS ARE NOT AVAILABLE, EFFORTS ARE MADE TO USE APPROPRIATE STANDARD METHODS.

REMAINING SAMPLES WILL BE RETAINED FOR 30 DAYS UNLESS OTHERWISE NOTIFIED.

WILSON LABORATORIES

Gregory J. Greene

ENCLOSURE

LSON LABORATORIE

525 NORTH EIGHTH STREET - P.O. BOX 1820 - SALINA, KANSAS 67402-1820
(913)825-7186

LABORATORY REPORT

CLIENT: REMCOR, INC.
ATTN: JOHN EVAN
2100 MANCHESTER TFWY
KANSAS CITY, MO 64126

DATE RPTD: 08/30/90
DATE RCVD: 08/22/90
PURCHASE AUTH:
FILE NO.: 90-9685
ORDER NO.: 06532

LAB NUMBER: 90090282
SAMPLE DESCRIPTION: 006R-S

DATE SAMPLED: 08/21/90
TIME SAMPLED: 0845

ANALYSIS	CONCENTRATION	UNITS	BOOK-PAGE
LEAD, EP TOXICITY	6.25	MG/L	1338-54

--CONCLUSION--LAB NUMBER: 90090282 006R-S

LAB NUMBER: 90090283
SAMPLE DESCRIPTION: 008R-S

DATE SAMPLED: 08/21/90
TIME SAMPLED: 0855

ANALYSIS	CONCENTRATION	UNITS	BOOK-PAGE
LEAD, EP TOXICITY	2.78	MG/L	1338-54

--CONCLUSION--LAB NUMBER: 90090283 008R-S

LAB NUMBER: 90090284
SAMPLE DESCRIPTION: 009R-S

DATE SAMPLED: 08/21/90
TIME SAMPLED: 0830

ANALYSIS	CONCENTRATION	UNITS	BOOK-PAGE
LEAD, EP TOXICITY	8.05	MG/L	1338-54

--CONCLUSION--LAB NUMBER: 90090284 009R-S

W I L S O L A B O R A T O R I E S

525 NORTH EIGHTH STREET - P.O. BOX 1820 - SALINA, KANSAS 67402-1820
(913)825-7186

LABORATORY REPORT

CLIENT: REMCOR, INC.
ATTN: JOHN EVAN
2100 MANCHESTER TFWY
KANSAS CITY, MO 64126

DATE RPTD: 08/30/90
DATE RCVD: 08/22/90
PURCHASE AUTH:
FILE NO.: 90-9685
ORDER NO.: 06532

LAB NUMBER: 90090282
SAMPLE DESCRIPTION: 006R-S

DATE SAMPLED: 08/21/90
TIME SAMPLED: 0845

ANALYSIS	ANALYST	DATE ANALYZED	DATE PREPPED	METHOD
LEAD, EP TOXICITY	SPA	08/30/90	08/29/90	239.2/7421

—CONCLUSION—LAB NUMBER: 90090282 006R-S

LAB NUMBER: 90090283
SAMPLE DESCRIPTION: 008R-S

DATE SAMPLED: 08/21/90
TIME SAMPLED: 0855

ANALYSIS	ANALYST	DATE ANALYZED	DATE PREPPED	METHOD
LEAD, EP TOXICITY	SPA	08/30/90	08/29/90	239.2/7421

—CONCLUSION—LAB NUMBER: 90090283 008R-S

LAB NUMBER: 90090284
SAMPLE DESCRIPTION: 009R-S

DATE SAMPLED: 08/21/90
TIME SAMPLED: 0830

ANALYSIS	ANALYST	DATE ANALYZED	DATE PREPPED	METHOD
LEAD, EP TOXICITY	SPA	08/30/90	08/29/90	239.2/7421

—CONCLUSION—LAB NUMBER: 90090284 009R-S

KANSAS CITY TESTING LABORATORY

September 6, 1990

REMCOR
Attention: Mr. John S. Evan

KCTL Job No.: 8602-90-0304

Reference:One soil sample received 9-6-90

Analysis: Method SW846-3050 (modified) for surface lead on rock samples

SAMPLE ID	DET. LIMIT	CONCENTRATION
04-00-D01-GR	5 mg/Kg	47 mg/Kg

KANSAS CITY TESTING LABORATORY

September 7,1990

REMCOR
Attention: Mr. John S. Evan

KCTL Job No.: 8602-90-0304

Reference: Five soil samples received 9-6-1990
REMCOR Project No.: 90247

Analysis: EPTOX by method SW846-1310/7420

SAMPLE ID	DET. LIMIT	CONCENTRATION
04-01-009R-S	0.05 mg/L	6.5 mg/L
10-01-030R-S	0.05 mg/L	14.0 mg/L
09-02-031R-S	0.05 mg/L	9.0 mg/L
09-02-032R-S	0.05 mg/L	0.5 mg/L
09-08-033R-S	0.05 mg/L	12.2 mg/L

KANSAS CITY TESTING LABORATORY

September 7,1990

REMCOR
Attention: Mr. John S. Evan

KCTL Job No.: 8602-90-0304

Reference: Five soil samples received 9-6-1990
REMCOR Project No.: 90247

Analysis: Total lead by method SW846-3050/7420

SAMPLE ID	DET. LIMIT	CONCENTRATION
04-01-009R-S	50 mg/L	6178 mg/L
10-01-030R-S	50 mg/L	21809 mg/L
09-02-031R-S	50 mg/L	17791 mg/L
09-02-032R-S	50 mg/L	7915 mg/L
09-08-033R-S	50 mg/L	23952 mg/L

KANSAS CITY TESTING LABORATORY

September 9,1990

REMCOR
Attention: Mr. John S. Evan

KCTL Job No.: 8602-90-0304

Reference: Five soil samples received 9-6-1990
REMCOR Project No.: 90247

Analysis: Total lead by method SW846-3050/7420

SAMPLE ID	DET. LIMIT	CONCENTRATION
04-01-009R-S	50 mg/L	3041 mg/L
10-01-030R-S	50 mg/L	10833 mg/L
09-02-031R-S	50 mg/L	3138 mg/L
09-02-032R-S	50 mg/L	4268 mg/L
09-08-033R-S	50 mg/L	11446 mg/L

"R" designation is used in lab data, however on COC, Sample # was recorded without the "R" designation

KANSAS CITY TESTING LABORATORY

September 9,1990

REMCOR
Attention: Mr. John S. Evan

KCTL Job No.: 8602-90-0304

Reference: Five soil samples received 9-6-1990
REMCOR Project No.: 90247

Analysis: EPTOX lead by method SW846-3011/7420

SAMPLE ID	DET. LIMIT	CONCENTRATION
04-01-009R-S	0.05 mg/L	3.2 mg/L
10-01-030R-S	" "	0.3 mg/L
09-02-031R-S	" "	0.9 mg/L
09-02-032R-S	" "	0.5 mg/L
09-08-033R-S	" "	0.4 mg/L

"R" designation is used in lab data, however on C-O-C, Sample # was recorded without the "R" designation

Hall-Kimbrell

September 10, 1990

Mr. Bill Beck
REMCOR
701 Alpha Drive, PO Box 38310
Pittsburgh, PA 15238

Re: Analytical Results
#59303191-900806-01

Dear Mr. Beck:

Enclosed are the analytical results for the two samples received on August 4, 1990. The samples were analyzed for open cup flashpoint, TCLP metals, PCB's, F-Code solvent scan, pH, TCLP nickel, extractable organic halogens, total phenols, reactivity and paint filter test. No analytical problems were encountered with the analysis of the samples and all associated QC samples were within criteria. Analytical results are summarized on the following pages.

If you have any questions regarding this data, please do not hesitate to contact me at (913) 865-9434. Thank you for using PSI/Hall-Kimbrell Environmental Services.

Sincerely,

Darla J Paulsen

Darla J. Paulsen
Inorganic Division Manager

DJP/crk

Encls.

Hall-Kimbrell Environmental Services, Inc.
Lawrence: 4840 West 15th Street P.O. Box 307 Lawrence, KS 66044-0307 ☎ (913) 749-2381 (800) 445-0682 FAX (913) 865-9114

Remcor
303191-900806-01
September 10, 1990

HKES#	CLIENT#	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD
644324	WS-1	Arsenic	< 0.04	0.04	mg/L	6010
		Barium	0.59	0.001	mg/L	6010
		Cadmium	0.019	0.002	mg/L	6010
		Hexavalent Chromium	< 0.005	0.005	mg/L	6010
		Lead	257.	0.03	mg/L	6010
		Mercury	< 0.0002	0.0002	mg/L	7470
		Nickel	0.034	0.009	mg/L	6010
		Selenium	0.08	0.05	mg/L	6010
		Silver	< 0.003	0.003	mg/L	6010
		Flashpoint	> 245	75.0	°F	ASTM D92
		pH	8.05	0.01	UNITS	9045
		Phenolics	< 5.0	5.0	mg/kg	9066
		Paint Filter	Pass	NA	NA	9095
		Extractable Organic Halogens	16.	10.	mg/kg	9076
		Reactivity				SW 7.3
		Cyanide:				9010
		Total Available	< 0.5	0.5	mg/kg	
		Specific Rate of Release	< 0.0003	0.0003	mg/kg*sec	
		Sulfide:				9030
		Total Available	< 0.5	0.5	mg/kg	
		Specific Rate of Release	< 0.0003	0.0003	mg/kg*sec	

HKES#	CLIENT#	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD
644325	WS-2	Arsenic	< 0.04	0.04	mg/L	6010
		Barium	1.37	0.001	mg/L	6010
		Cadmium	0.016	0.002	mg/L	6010
		Hexavalent Chromium	< 0.005	0.005	mg/L	6010
		Lead	47.7	0.03	mg/L	6010
		Mercury	< 0.0002	0.0002	mg/L	7470
		Nickel	0.053	0.009	mg/L	6010
		Selenium	0.15	0.05	mg/L	6010
		Silver	< 0.003	0.003	mg/L	6010
		Flashpoint	> 245	75.0	^{o}F	ASTM D92
		pH	7.64	0.01	UNITS	9045
		Phenolics	18.9	5.0	mg/kg	9066
		Paint Filter	Pass	NA	NA	9095
		Extractable Organic Halogens	190.	10.	mg/kg	9076
		Reactivity				SW 7.3
		Cyanide:				9010
		Total Available	< 0.5	0.5	mg/kg	
		Specific Rate of Release	< 0.0003	0.0003	mg/kg*sec	
		Sulfide:				9030
		Total Available	< 0.5	0.5	mg/kg	
		Specific Rate of Release	< 0.0003	0.0003	mg/kg*sec	

WILSON LABORATORIES

525 NORTH EIGHTH STREET - P.O. BOX 1820 - SALINA, KANSAS 67402-1820 - (913)825-7186

SEPTEMBER 10, 1990

REMOOR, INC.
2100 MANCHESTER TFWY
KANSAS CITY MO 64126

ATTN : JOHN EVAN

RE: WILSON LABORATORIES FILE NO. 90-9685

ENCLOSED ARE THE REPORTS FOR THE SAMPLES AS LISTED BELOW:

WILSON LAB ID #	ORDER NO.	SAMPLE DESCRIPTION
9009058000	06627	04-01-009R-S
9009058100	06627	10-01-030R-S
9009058200	06627	09-02-031R-S
9009058300	06627	09-02-032R-S
9009058400	06627	09-08-033R-S

ND(), WHERE NOTED, INDICATES NONE DETECTED WITH THE DETECTION LIMIT IN PARENTHESES.

ANALYSES WERE PERFORMED ON SAMPLES AS RECEIVED IN ACCORDANCE WITH PROCEDURES REFERENCED IN THE FEDERAL REGISTER, VOL. 49, NO. 209, OCT. 26, 1984; PUBLISHED IN EPA PUBLICATION, SW 846, 2ND ED., JULY 1982 AND IN THE PROPOSED ADDITION TO SW 846, 1984; OR IN EPA PUBLICATION, SW846 3RD ED.,SEPTEMBER 1986. WHERE APPROVED METHODS ARE NOT AVAILABLE, EFFORTS ARE MADE TO USE APPROPRIATE STANDARD METHODS.

REMAINING SAMPLES WILL BE RETAINED FOR 30 DAYS UNLESS OTHERWISE NOTIFIED.

WILSON LABORATORIES

Cathy A. Sawyer

ENCLOSURE

WILSON LABORATORIES

RTH EIGHTH STREET - P.O. BOX 1820 - SALINA, KANSAS 67402-1820
(913)825-7186

LABORATORY REPORT

CLIENT: REMCOR, INC.
ATTN: JOHN EVAN
2100 MANCHESTER TFWY
KANSAS CITY, MO 64126

DATE RPTD: 09/11/90
DATE RCVD: 09/07/90
PURCHASE AUTH:
FILE NO.: 90-9685
ORDER NO.: 06627

LAB NUMBER: 90090580
SAMPLE DESCRIPTION: 04-01-009R-S

DATE SAMPLED: 09/06/90
TIME SAMPLED: 1015

ANALYSIS	CONCENTRATION	UNITS	BOOK-PAGE
EP-TOX EXTRACTION	DONE	.	
SOLIDS, TOTAL	99.1	%	1234-11
L EP TOXICITY	5.8	MG/L	1368-148
LEA , TOTAL	4670	MG/KG	1368-148

—CONCLUSION—LAB NUMBER: 90090580 04-01-009R-S

LAB NUMBER: 90090581
SAMPLE DESCRIPTION: 10-01-030R-S

DATE SAMPLED: 09/06/90
TIME SAMPLED: 1022

ANALYSIS	CONCENTRATION	UNITS	BOOK-PAGE
EP-TOX EXTRACTION	DONE	.	
SOLIDS, TOTAL	96.6	%	1234-11
LEAD, EP TOXICITY	34.7	MG/L	1368-148
LEAD, TOTAL	10020	MG/KG	1368-148

—CONCLUSION—LAB NUMBER: 90090581 10-01-030R-S

LAB NUMBER: 90090582
SAMPLE DESCRIPTION: 09-02-031R-S

DATE SAMPLED: 09/06/90
TIME SAMPLED: 1029

ANALYSIS	CONCENTRATION	UNITS	BOOK-PAGE
EP-TOX EXTRACTION	DONE	.	
SOLIDS, TOTAL	98.2	%	1234-11
LEAD, EP TOXICITY	13.1	MG/L	1368-148
LEAD, TOTAL	7200	MG/KG	1368-148

—CONCLUSION—LAB NUMBER: 90090582 09-02-031R-S

CLIENT: REMCOR, INC.

FILE NO.: 90-9685
ORDER NO.: 06627

LAB NUMBER: 90090583
SAMPLE DESCRIPTION: 09-02-032R-S

DATE SAMPLED: 09/06/90
TIME SAMPLED: 1040

ANALYSIS	CONCENTRATION	UNITS	BOOK-PAGE
EP-TOX EXTRACTION	DONE	.	
SOLIDS, TOTAL	99.0	%	1234-11
LEAD, EP TOXICITY	4.6	MG/L	1368-148
LEAD, TOTAL	5010	MG/KG	1368-148

--CONCLUSION--LAB NUMBER: 90090583 09-02-032R-S

LAB NUMBER: 90090584
SAMPLE DESCRIPTION: 09-08-033R-S

DATE SAMPLED: 09/06/90
TIME SAMPLED: 1051

ANALYSIS	CONCENTRATION	UNITS	BOOK-PAGE
EP-TOX EXTRACTION	DONE	.	
SOLIDS, TOTAL	96.4	%	1234-11
LEAD, EP TOXICITY	144.	MG/L	1368-148
LEAD, TOTAL	12400	MG/KG	1368-148

--CONCLUSION--LAB NUMBER: 90090584 09-08-033R-S

WILSON LABORATORIES CHARGE REVIEW

****T H I S I S N O T A N I N V O I C E****(913) 825-7186

CHARGES FOR ORDER NO.06627

CLIENT: REMCOR, INC.
JOHN EVAN
2100 MANCHESTER TFWY
KANSAS CITY, MO 64126

DATE RECEIVED: 09/07/90
PURCHASE AUTH.:
ORDER NO.: 06627
FILE NO.: 90-9685

ANALYSES	QUANT	COST EACH	% DISC	TOTAL
LEAD, TOTAL	5	20.00		200.00
SOLIDS, TOTAL	5	NO CHARGE		0.00
ANALYSES CHARGES, SUBTOTAL (COST LIST: STD90—EMERGENCY AT 100% SURCH				200.00

SPECIAL INSTRUCTIONS	QUANT	COST EACH	% DISC	TOTAL
AS RECEIVED	5	NO CHARGE		0.00
METALS DIGESTION CHARGE	5	15.00		150.00
SPECIAL INSTRUCTION CHARGES, SUBTOTAL (COST LIST: STD90—EMERGENCY AT				150.00C

TOTAL ORDER CHARGES 350.00

FOR PERIOD ENDING 09/10/90

SAMPLE DESCRIPTIONS

09-08-033R-S
09-02-031R-S
09-02-032R-S
04-01-009R-S
10-01-030R-S

W LSON LABORATORIES

525 NORTH EIGHTH STREET - P.O. BOX 1820 - SALINA, KANSAS 67402-1820
(913)825-7186

LABORATORY REPORT

CLIENT: REMCOR, INC.
ATTN: JOHN EVAN
2100 MANCHESTER TFWY
KANSAS CITY, MO 64126

DATE RPTD: 09/11/90
DATE RCVD: 09/07/90
PURCHASE AUTH:
FILE NO.: 90-9685
ORDER NO.: 06627

LAB NUMBER: 90090580
SAMPLE DESCRIPTION: 04-01-009R-S

DATE SAMPLED: 09/06/90
TIME SAMPLED: 1015

ANALYSIS	ANALYST	DATE ANALYZED	DATE PREPPED	METHOD
EP-TOX EXTRACTION		09/08/90	09/10/90	
SOLIDS, TOTAL	PLH	09/10/90	NA	SL070
LEAD, EP TOXICITY	CAG	09/10/90	09/10/90	
LEAD, TOTAL	CAG	09/10/90	09/10/90	239.2/7421

—CONCLUSION—LAB NUMBER: 90090580 04-01-009R-S

LAB NUMBER: 90090581
SAMPLE DESCRIPTION: 10-01-030R-S

DATE SAMPLED: 09/06/90
TIME SAMPLED: 1022

ANALYSIS	ANALYST	DATE ANALYZED	DATE PREPPED	METHOD
EP-TOX EXTRACTION		09/08/90	09/10/90	
SOLIDS, TOTAL	PLH	09/10/90	NA	SL070
LEAD, EP TOXICITY	CAG	09/10/90	09/10/90	
LEAD, TOTAL	CAG	09/10/90	09/10/90	239.2/7421

—CONCLUSION—LAB NUMBER: 90090581 10-01-030R-S

LAB NUMBER: 90090582
SAMPLE DESCRIPTION: 09-02-031R-S

DATE SAMPLED: 09/06/90
TIME SAMPLED: 1029

ANALYSIS	ANALYST	DATE ANALYZED	DATE PREPPED	METHOD
EP-TOX EXTRACTION		09/08/90	09/10/90	
SOLIDS, TOTAL	PLH	09/10/90	NA	SL070
LEAD, EP TOXICITY	CAG	09/10/90	09/10/90	
LEAD, TOTAL	CAG	09/10/90	09/10/90	239.2/7421

—CONCLUSION—LAB NUMBER: 90090582 09-02-031R-S

CLIENT: REMCOR, INC.

FILE NO.: 90-9685
ORDER NO.: 06627

LAB NUMBER: 90090583
SAMPLE DESCRIPTION: C)-032R-S

DATE SAMPLED: 09/06/90
TIME SAMPLED: 1040

ANALYSIS	ANALYST	DATE ANALYZED	DATE PREPPED	METHOD
EP-TOX EXTRACTION		09/08/90	09/10/90	
SOLIDS, TOTAL	PLH	09/10/90	NA	SL070
LEAD, EP TOXICITY	CAG	09/10/90	09/10/90	
LEAD, TOTAL	CAG	09/10/90	09/10/90	239.2/7421

—CONCLUSION—LAB NUMBER: 90090583 09-02-032R-S

LAB NUMBER: 90090584
SAMPLE DESCRIPTION: 09-08-033R-S

DATE SAMPLED: 09/06/90
TIME SAMPLED: 1051

ANALYSIS	ANALYST	DATE ANALYZED	DATE PREPPED	METHOD
EP-TOX EXTRACTION		09/08/90	09/10/90	
SOLIDS, TOTAL	PLH	09/10/90	NA	SL070
LEAD, EP TOXICITY	CAG	09/10/90	09/10/90	
LEAD, TOTAL	CAG	09/10/90	09/10/90	239.2/7421

—CONCLUSION—LAB NUMBER: 90090584 09-08-033R-S

WILSON LABORATORIES

[illegible] • P.O. BOX [illegible] • SALINA KANSAS [illegible] • [illegible]

Analysis type: TOTAL LEAD

SAMPLE #	CLIENT ID	CONC wet wt (mg/kg)	% solid	CONC dry wt (mg/kg)	DETECTION limit
90090580	04-01-009R-S	4670	99.1	4710	10.0 mg/kg
90090581	10-01-030R-S	10020	96.6	10400	10.0 mg/kg
90090582	09-02-031R-S	7200	98.2	7330	10.0 mg/kg
90090583	09-02-032R-S	5010	99.0	5060	10.0 mg/kg
90090584	09-08-033R-S	12400	96.4	12900	10.0 mg/kg

Analysis type: E.P. TOX

SAMPLE #	CLIENT ID	RESULT(mg/l)	DETECTION LIMIT
90090580	04-01-009R-S	5.80	0.10 mg/l
90090581	10-01-030R-S	34.7	0.10 mg/l
90090582	09-02-031R-S	13.1	0.10 mg/l
90090583	09-02-032R-S	4.60	0.10 mg/l
90090584	09-08-033R-S	144.	0.10 mg/l

WILSON LABORATORIES

525 NORTH EIGHTH STREET - P.O. BOX 1820 - SALINA, KANSAS 67402-1820
(913)825-7186

LABORATORY REPORT

CLIENT: REMCOR, INC.
ATTN: JOHN EVAN
2100 MANCHESTER TFWY
KANSAS CITY, MO 64126

DATE RPTD: 09/11/90
DATE RCVD: 09/07/90
PURCHASE AUTH:
FILE NO.: 90-9685
ORDER NO.: 06627

LAB NUMBER: 90090580
SAMPLE DESCRIPTION: 04-01-009R-S

DATE SAMPLED: 09/06/90
TIME SAMPLED: 1015

ANALYSIS	CONCENTRATION	UNITS	BOOK-PAGE
EP-TOX EXTRACTION	DONE	.	
SOLIDS, TOTAL	99.1	%	1234-11
LEAD, EP TOXICITY	5.8	MG/L	1368-148
LEAD, TOTAL	4670	MG/KG	1368-148

—CONCLUSION—LAB NUMBER: 90090580 04-01-009R-S

LAB NUMBER: 90090581
SAMPLE DESCRIPTION: 10-01-030R-S

DATE SAMPLED: 09/06/90
TIME SAMPLED: 1022

ANALYSIS	CONCENTRATION	UNITS	BOOK-PAGE
EP-TOX EXTRACTION	DONE	.	
SOLIDS, TOTAL	96.6	%	1234-11
LEAD, EP TOXICITY	34.7	MG/L	1368-148
LEAD, TOTAL	10020	MG/KG	1368-148

—CONCLUSION—LAB NUMBER: 90090581 10-01-030R-S

LAB NUMBER: 90090582
SAMPLE DESCRIPTION: 09-02-031R-S

DATE SAMPLED: 09/06/90
TIME SAMPLED: 1029

ANALYSIS	CONCENTRATION	UNITS	BOOK-PAGE
EP-TOX EXTRACTION	DONE	.	
SOLIDS, TOTAL	98.2	%	1234-11
LEAD, EP TOXICITY	13.1	MG/L	1368-148
LEAD, TOTAL	7200	MG/KG	1368-148

—CONCLUSION—LAB NUMBER: 90090582 09-02-031R-S

Attn

4 pages

William E. Beck, Project Manager

CLIENT: REMCOR, INC.

FILE NO.: 90-9685
ORDER NO.: 06627

LAB NUMBER: 90090583
SAMPLE DESCRIPTION: 09-02-032R-S

DATE SAMPLED: 09/06/90
TIME SAMPLED: 1040

ANALYSIS	CONCENTRATION	UNITS	BOOK-PAGE
EP-TOX EXTRACTION	DONE	.	
SOLIDS, TOTAL	99.0	%	1234-11
LEAD, EP TOXICITY	4.6	MG/L	1368-148
LEAD, TOTAL	5010	MG/KG	1368-148

--CONCLUSION--LAB NUMBER: 90090583 09-02-032R-S

LAB NUMBER: 90090584
SAMPLE DESCRIPTION: 09-08-033R-S

DATE SAMPLED: 09/06/90
TIME SAMPLED: 1051

ANALYSIS	CONCENTRATION	UNITS	BOOK-PAGE
EP-TOX EXTRACTION	DONE	.	
SOLIDS, TOTAL	96.4	%	1234-11
LEAD, EP TOXICITY	144.	MG/L	1368-148
LEAD, TOTAL	12400	MG/KG	1368-148

--CONCLUSION--LAB NUMBER: 90090584 09-08-033R-S

WILSON LABORATORIES

525 N. EIGHTH • P.O. BOX 1820 • SALINA, KANSAS 67402-1820 • (913) 825-7186

Sept 13, 1990

Analysis type: TOTAL LEAD

SAMPLE #	CLIENT ID	CONC wet wt (mg/kg)	% solid	CONC dry wt (mg/kg)	DETECTION limit
90090580	04-01-009R-S	4670	99.1	4710	10.0 mg/kg
90090581	10-01-030R-S	10020	96.6	10400	10.0 mg/kg
90090582	09-02-031R-S	7200	98.2	7330	10.0 mg/kg
90090583	09-02-032R-S	5010	99.0	5060	10.0 mg/kg
90090584	09-08-033R-S	12400	96.4	12900	10.0 mg/kg

Analysis type: E.P. TOX

SAMPLE #	CLIENT ID	RESULT (mg/l) 1st	2nd	DETECTION LIMIT
90090580	04-01-009R-S	5.80	5.70	0.10 mg/l
90090581	10-01-030R-S	34.7	96.2	0.10 mg/l
90090582	09-02-031R-S	13.1	10.1	0.10 mg/l
90090583	09-02-032R-S	4.60	9.78	0.10 mg/l
90090584	09-08-033R-S	144	177	0.10 mg/l

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY

1669 JEFFERSON
A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

September 13,1990

REMCOR
Attention: Mr. John S. Evan

KCTL Job No.: 8602-90-0304

Reference: Five soil samples received 9-6-1990
REMCOR Project No.: 90247

Analysis: EPTOX lead by method SW846-3010/7420

SAMPLE ID	DET. LIMIT	CONCENTRATION
04-01-009R-S	0.05 mg/L	-------
10-01-030R-S	" "	1.94 mg/L
09-02-031R-S	" "	10.1 mg/L
09-02-032R-S	" "	4.9 mg/L
09-08-033R-S	" "	86.2 mg/L

note: Sample 04-01-009R-S lost during extraction

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REPORT OF LABORATORY ANALYSIS

September 17, 1990

Mr. William Beck
Remcor, Inc.
P.O. Box 38310
701 Alpha Drive
Pittsburgh, PA 15238

RE: PACE Project No. 500912.501
Union Wire Rope

Dear Mr. Beck:

Enclosed is the report of laboratory analyses for samples received September 12, 1990.

If you have any questions concerning this report, please feel free to contact us.

Sincerely,

Jeffrey P. Guinn for

Duane R. Boline, Ph.D.
Director, Sampling and Analytical Services

Enclosures

9608 Loiret Boulevard
Lenexa, KS 66219
TEL: 913 599-5665
FAX 913 599 1759

Offices Serving: Minneapolis, Minnesota; Tampa, Florida; Iowa City, Iowa; San Francisco, California; Kansas City, Missouri; Los Angeles, California; Charlotte, North Carolina; Asheville, North Carolina; New York, New York; Pittsburgh, Pennsylvania

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REPORT OF LABORATORY ANALYSIS

Remcor, Inc.
P.O. Box 38310
Alpha Drive
Pittsburgh, PA 15238

September 17, 1990
PACE Project
Number: 500912501

Attn: Mr. William Beck

Union Wire Rope

PACE Sample Number:			60 0705127	
Date Collected:			09/12/90	
Date Received:			09/12/90	
Parameter	Units	MDL	0010-S	DATE ANALYZED
INORGANIC ANALYSIS				
INDIVIDUAL PARAMETERS				
Copper	mg/kg	1.0	586	09/14/90
Lead	mg/kg	1.0	3610	09/14/90
Nickel	mg/kg	1.0	49.2	09/14/90
Zinc	mg/kg	1.0	1120	09/14/90

MDL Method Detection Limit

9608 Loiret Boulevard
Lenexa, KS 66219
TEL: 913 599 5665
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REPORT OF LABORATORY ANALYSIS

Mr. William Beck
Page 2

September 17, 1990
PACE Project
Number: 500912501

Union Wire Rope

PACE Sample Number:			60 0705135	
Date Collected:			09/12/90	
Date Received:			09/12/90	
Parameter	Units	MDL	0020-S	DATE ANALYZED
INORGANIC ANALYSIS				
INDIVIDUAL PARAMETERS				
Copper	mg/kg	1.0	6660	09/14/90
Lead	mg/kg	1.0	9240	09/14/90
Nickel	mg/kg	1.0	23.7	09/14/90
Zinc	mg/kg	1.0	794	09/14/90

PACE Sample Number:			60 0705143	
Date Collected:			09/12/90	
Date Received:			09/12/90	
Parameter	Units	MDL	0030-S	DATE ANALYZED
INORGANIC ANALYSIS				
INDIVIDUAL PARAMETERS				
Copper	mg/kg	1.0	1202	09/14/90
Lead	mg/kg	1.0	7250	09/14/90
Nickel	mg/kg	1.0	51.0	09/14/90
Zinc	mg/kg	1.0	1533	09/14/90

MDL Method Detection Limit

9608 Loiret Boulevard
Lenexa, KS 66219
TEL: 913 599 5665
FAX: 913 599 1759

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Mr. William Beck
Page 3

September 17, 1990
PACE Project
Number: 500912501

Union Wire Rope

PACE Sample Number:			60 0705151	
Date Collected:			09/12/90	
Date Received:			09/12/90	
Parameter	Units	MDL	0040-S	DATE ANALYZED
INORGANIC ANALYSIS				
INDIVIDUAL PARAMETERS				
Copper	mg/kg	1.0	658	09/14/90
Lead	mg/kg	1.0	7570	09/14/90
Nickel	mg/kg	1.0	24.7	09/14/90
Zinc	mg/kg	1.0	1613	09/14/90

PACE Sample Number:			60 0705160	
Date Collected:			09/12/90	
Date Received:			09/12/90	
Parameter	Units	MDL	0050-S	DATE ANALYZED
INORGANIC ANALYSIS				
INDIVIDUAL PARAMETERS				
pper	mg/kg	1.0	133	09/14/90
ead	mg/kg	1.0	8670	09/14/90
Nickel	mg/kg	1.0	200	09/14/90
Zinc	mg/kg	1.0	452	09/14/90

MDL Method Detection Limit

REPORT OF LABORATORY ANALYSIS

Mr. William Beck
Page 4

September 17, 1990
PACE Project
Number: 500912501

Union Wire Rope

PACE Sample Number:			60 0705178	
Date Collected:			09/12/90	
Date Received:			09/12/90	
Parameter	Units	MDL	0060-S	DATE ANALYZED
INORGANIC ANALYSIS				
INDIVIDUAL PARAMETERS				
Copper	mg/kg	1.0	174	09/14/90
Lead	mg/kg	1.0	3310	09/14/90
Nickel	mg/kg	1.0	185	09/14/90
Zinc	mg/kg	1.0	496	09/14/90

PACE Sample Number:			60 0705186	
Date Collected:			09/12/90	
Date Received:			09/12/90	
Parameter	Units	MDL	0070-S	DATE ANALYZED
INORGANIC ANALYSIS				
INDIVIDUAL PARAMETERS				
Copper	mg/kg	1.0	161	09/14/90
Lead	mg/kg	1.0	5370	09/14/90
Nickel	mg/kg	1.0	18.1	09/14/90
Zinc	mg/kg	1.0	697	09/14/90

MDL Method Detection Limit

REPORT OF LABORATORY ANALYSIS

Mr. William Beck
Page 5

September 17, 1990
PACE Project
Number: 500912501

Jnion Wire Rope

PACE Sample Number:			60 0705194	
Date Collected:			09/12/90	
Date Received:			09/12/90	
Parameter	Units	MDL	0080-S	DATE ANALYZED
INORGANIC ANALYSIS				
INDIVIDUAL PARAMETERS				
Copper	mg/kg	1.0	157	09/14/90
Lead	mg/kg	1.0	5900	09/14/90
Nickel	mg/kg	1.0	17.7	09/14/90
Zinc	mg/kg	1.0	536	09/14/90

PACE Sample Number:			60 0705208	
Date Collected:			09/12/90	
Date Received:			09/12/90	
Parameter	Units	MDL	0090-S	DATE ANALYZED
INORGANIC ANALYSIS				
INDIVIDUAL PARAMETERS				
Copper	mg/kg	1.0	306	09/14/90
Lead	mg/kg	1.0	4260	09/14/90
Nickel	mg/kg	1.0	34.9	09/14/90
Zinc	mg/kg	1.0	810	09/14/90

MDL Method Detection Limit

The data contained in this report were obtained using EPA or other approved methodologies. All analyses were performed by me or under my supervision.

Duane R. Boline, Ph.D.
Director, Sampling and Analytical Services

9608 Loiret Boulevard
Lenexa, KS 66219
TEL: 913 599 5665
FAX: 913 599 1759

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REPORT OF LABORATORY ANALYSIS

September 17, 1990

Mr. William Beck
Remcor, Inc.
P.O. Box 38310
701 Alpha Drive
Pittsburgh, PA 15238

RE: PACE Project No. 500912.521
Union Wire Rope

Dear Mr. Beck:

Enclosed is the report of laboratory analyses for samples received September 13, 1990.

If you have any questions concerning this report, please feel free to contact us.

Sincerely,

Duane R. Boline, Ph.D.
Director, Sampling and Analytical Services

Enclosures

9608 Lowrel Boulevard
Lenexa, KS 66219
TEL: 913-599-5665
FAX: 913-599-1759

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Hall-Kimbrell

November 27, 1990

John Evan
Remcor Inc.
701 Alpha Drive, PO Box 38310
Pittsburgh, PA 15238

Re: Analytical Result
#59303191-901120-01

Dear Mr. Evan:

Enclosed is the analytical result for the one sample received on November 20, 1990. The sample was analyzed for total lead and TCLP lead. No analytical problems were encountered with the analysis of the sample and all associated QC samples were within criteria. Analytical results are summarized on the following page.

Samples are scheduled for disposal on December 7, 1990. If you would like additional analysis or would like the samples to be returned to you, please contact us as soon as possible.

If you need any more information regarding this data, please do not hesitate to contact me at (913) 865-9434. Thank you for using PSI/Hall-Kimbrell Environmental Services.

Sincerely,

Darla J Paulsen

Darla J. Paulsen
Inorganic Division Manager

DJP/crk

Encls.

Hall-Kimbrell Environmental Services, Inc.
Lawrence: 4840 West 15th Street P.O. Box 307 Lawrence, KS 66044-0307 ☎ (913) 749-2381 (800) 445-0682 FAX (913) 865-9114

Remcor
59303191-901120-01
November 27, 1990

CLIENT# (SAMPLE#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD
15-00-004-PI	TCLP Lead	9.59	0.03	mg/L	6010
	Total Lead	1427	3	mg/kg	6010

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON
A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

November 27, 1990

REMCOR
Attention: Mr. John S. Evan

Job No.: 8602-90-0344
KCTL No.: C-1136
Reference:Four soil sample received 11-20-90
REMCOR Project No.: 90247
Chain of Custody #: 1840

Analysis: TCLP metals by SW846-1311

SAMPLE ID	PARAMETER	DET. LIMIT	RESULT
03-00-003-SC	TCLP Pb	0.05 mg/L	95.8 mg/L
03-00-004-SC	TCLP Pb	0.05 mg/L	ND
04-00-003-PL	TCLP Pb	0.05 mg/L	22.6 mg/L
04-00-004-PL	TCLP Pb	0.05 mg/L	ND

pace INCORPORATED
THE ASSURANCE OF QUALITY

REPORT OF LABORATORY ANALYSIS

Remcor, Inc.
P.O. Box 38310
701 Alpha Drive
Pittsburgh, PA 15238

November 27, 1990
PACE Project
Number: 501120513

Attn: Mr. William Beck

Union Wire Rope

PACE Sample Number:			60 0740666	
Date Collected:			11/20/90	
Date Received:			11/20/90	
Parameter	Units	MDL	Sect. 15	DATE ANALYZED
INORGANIC ANALYSIS				
INDIVIDUAL PARAMETERS				
Lead	mg/kg	10.0	13700	11/26/90
Totals, Extract Date-Metals (Soils+)			11/21/90	

PACE Sample Number:			60 0740674	
Date Collected:			11/20/90	
Date Received:			11/20/90	
Parameter	Units	MDL	Sect. 15 Leachate (1)	DATE ANALYZED
.NORGANIC ANALYSIS				
INDIVIDUAL PARAMETERS				
Lead, Leachate	mg/L	0.25	5.41	11/26/90

MDL Method Detection Limit
(1) All analysis performed on Toxic Characteristic Leachate for Metals.

The data contained in this report were obtained using EPA or other approved methodologies. All analyses were performed by me or under my supervision.

Duane R. Boline, Ph.D.
Director, Sampling and Analytical Services

9608 Loiret Boulevard
Lenexa, KS 66219
TEL: 913-599-5665
FAX: 913-599-1759

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CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY

1669 JEFFERSON
A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

November 18, 1990

REMCOR
Attention: Mr. John S. Evan

KCTL Job No.: 8602-90-0344

Reference: Two soil samples received 11-17-90
REMCOR Project No.: 90247
Chain of Custody #: 1835

Analysis: TCLP metals by SW846-1311

SAMPLE ID	PARAMETER	DET. LIMIT	RESULT
06-00-001-TL	TCLP Pb	0.05 mg/L	11.49 mg/L
06-00-002-TL	TCLP Pb	0.05 mg/L	7.20 mg/L

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON
A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

November 21, 1990

REMCOR
Attention: Mr. John S. Evan

KCTL Job No.: 8602-90-0344

Reference: Two soil samples received 11-17-90
REMCOR Project No.: 90247
Chain of Custody #: 1835

Analysis: TCLP metals by SW846-1311
Total metals by SW846-3050

SAMPLE ID	PARAMETER	DET. LIMIT	RESULT
06-00-001-PL	TCLP Pb	0.05 mg/L	11.5 mg/L
	Total Pb	25 mg/Kg	3864 mg/Kg
06-00-002-PL	TCLP Pb	0.05 mg/L	7.2 mg/L
	Total Pb	25 mg/Kg	2950 mg/Kg

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON
A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

November 16, 1990

REMCOR
Attention: Mr. John S. Evan

KCTL Job No.: 8602-90-0344

Reference: One soil samples received 11-15-90
REMCOR Project No.: 90247
Chain of Custody #: 1834

Analysis: TCLP metals by SW846-1311

SAMPLE ID	PARAMETER	DET. LIMIT	RESULT
10-00-055-PL	TCLP Pb	0.05 mg/L	34.9 mg/Kg
10-00-056-PL	TCLP Pb	0.05 mg/L	147 mg/L

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON
A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

November 21, 1990

REMCOR
Attention: Mr. John S. Evan

KCTL Job No.: 8602-90-0344

Reference: Two soil samples received 11-15-90
REMCOR Project No.: 90247
Chain of Custody #: 1834

Analysis: TCLP metals by SW846-1311
Total metals by SW846-3050

SAMPLE ID	PARAMETER	DET. LIMIT	RESULT
10-00-055-PL	TCLP Pb	0.05 mg/L	34.9 mg/L
	Total Pb	25 mg/Kg	7056 mg/Kg
10-00-056-PL	TCLP Pb	0.05 mg/L	147 mg/L
	Total Pb	50 mg/Kg	18340 mg/Kg

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

November 14, 1990

REMCOR
Attention: Mr. John S. Evan

KCTL Job No.: 8602-90-0344

Reference: One soil sample received 11-12-90
REMCOR Project No.: 90247
Chain of Custoy #: 1832

Analysis: TCLP and total lead by method SW846-1311/3050

PARAMETER	SAMPLE ID	DET. LIMIT	CONCENTRATION
TCLP	10-00-054-PL	0.05 mg/L	13.4 mg/L
Total Lead	10-00-054-PL	50 mg/Kg	15645 mg/Kg

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON
A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

November 14, 1990

REMCOR
Attention: Mr. John S. Evan

KCTL Job No.: 8602-90-0344

Reference: Four soil samples received 11-13-90
REMCOR Project No.: 90247
Chain of Custody #: 1833

Analysis: Total metals by SW846-3050

SAMPLE ID	PARAMETER	DET. LIMIT	RESULT
01-05-001-SC	Total Pb	2.5 mg/Kg	48.0 mg/Kg
01-05-002-SC	Total Pb	2.5 mg/Kg	24.0 mg/Kg
02-05-001-SC	Total Pb	2.5 mg/Kg	243 mg/Kg
02-05-002-SC	Total Pb	2.5 mg/Kg	80.0 mg/Kg

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

November 13.1990

REMCOR
Attention: Mr. John S. Evan

KCTL Job No.: 8602-90-0344

Reference: Two soil samples received 11-10-90
REMCOR Project No.: 90247
Chain of Custody #: 1831

Analysis: TCLP metals by SW846-1311

SAMPLE ID	PARAMETER	DET. LIMIT	RESULT
10-00-052-PL	TCLP Pb	0.05 mg/L	50 mg/L
10-00-053-PL	TCLP Pb	0.05 mg/L	25 mg/L

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON
A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

November 14, 1990

REMCOR
Attention: Mr. John S. Evan

KCTL Job No.: 8602-90-0344

Reference: Two soil samples received 11-10-90
REMCOR Project No.: 90247
Chain of Custody #: 1831

Analysis: TCLP metals by SW846-1311
Total metals by SW846-3050

SAMPLE ID	PARAMETER	DET. LIMIT	RESULT
10-00-052-PL	TCLP Pb	0.05 mg/L	50.0 mg/L
10-00-052-PL	Total Pb	50 mg/Kg	5145 mg/Kg
10-00-053-PL	TCLP Pb	0.05 mg/L	25.0 mg/L
10-00-053-PL	Total Pb	50 mg/Kg	5552 mg/Kg

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON
A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

November 2, 1990

REMCOR
Attention: Mr. John S. Evan

KCTL Job No.: 8602-90-0344

Reference: Two soil samples received 10-30-90
REMCOR Project No.: 90247
Chain of Custody #: 1828

Analysis: TCLP metals by SW846-1311
Total metals by SW846-3050

SAMPLE ID	PARAMETER	DET. LIMIT	RESULT
10-00-049-PL	TCLP Pb	0.05 mg/L	68.6 mg/L
	Total Pb	50 mg/Kg	9440 mg/Kg
10-00-049-PL	TCLP Zn	0.005 mg/L	3.7 mg/L
	Total Zn	100 mg/Kg	1965 mg/Kg
10-00-050-PL	TCLP Pb	0.05 mg/L	2.0 mg/L
	Total Pb	50 mg/Kg	2645 mg/Kg
10-00-050-PL	TCLP Zn	0.005 mg/L	5.7 mg/L
	Total Zn	25 mg/Kg	672 mg/Kg

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

November 10, 1990

REMCOR
Attention: Mr. John S. Evan

KCTL Job No.: 8602-90-0369

Reference: One soil sample received 11-9-90
REMCOR Project No.: 90247

Analysis: TCLP and total lead by method SW846-1311/3050

PARAMETER	SAMPLE ID	DET. LIMIT	CONCENTRATION
TCLP	10-00-051-PL	0.05 mg/L	43.7 mg/L
Total Lead	10-00-051-PL	50 mg/Kg	5250 mg/Kg

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON
A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

November 4, 1990

REMCOR
Attention: Mr. John S. Evan

KCTL Job No.: 8602-90-0344

Reference: Two soil samples received 10-29-90
REMCOR Project No.: 90247
Chain of Custody #: 1829

Analysis: TCLP metals by SW846-1311
Total metals by SW846-3050

SAMPLE ID	PARAMETER	DET. LIMIT	RESULT
10-00-048-PL	TCLP Pb	0.05 mg/L	47.5 mg/L
	Total Pb	50 mg/Kg	5890 mg/Kg
10-00-049-PL	TCLP Zn	0.005 mg/L	54.0 mg/L
	Total Zn	50 mg/Kg	1722 mg/Kg
10-00-048-PL	TCLP Pb	0.05 mg/L	8.7 mg/L
	Total Pb	50 mg/Kg	2534 mg/Kg
10-00-048-PL	TCLP Zn	0.005 mg/L	22.1 mg/L
	Total Zn	25 mg/Kg	1208 mg/Kg

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON
A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

November 4, 1990

REMCOR
Attention: Mr. John S. Evan

KCTL Job No.: 8602-90-0344

Reference: Two soil samples received 10-29-90
REMCOR Project No.: 90247
Chain of Custody #: 1829

Analysis: TCLP metals by SW846-1311
Total metals by SW846-3050

SAMPLE ID	PARAMETER	DET. LIMIT	RESULT
10-00-047-PL	TCLP Pb	0.05 mg/L	47.5 mg/L
	Total Pb	50 mg/Kg	5890 mg/Kg
10-00-047-PL	TCLP Zn	0.005 mg/L	54.0 mg/L
	Total Zn	50 mg/Kg	1722 mg/Kg
10-00-048-PL	TCLP Pb	0.05 mg/L	8.7 mg/L
	Total Pb	50 mg/Kg	2534 mg/Kg
10-00-048-PL	TCLP Zn	0.005 mg/L	22.1 mg/L
	Total Zn	25 mg/Kg	1208 mg/Kg

REMCOR
59303191-9001024-01
October 30, 1990

HKES#	CLIENT#	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD
730566	10-00-044-PL	Total Lead	5029	3	mg/kg	6010
		TCLP Lead	10.89	0.03	mg/L	1311

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON
A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

October 31,1990

REMCOR
Attention: Mr. John S. Evan

KCTL Job No.: 8602-90-0304

Reference: Two soil samples received 10-29-90
REMCOR Project No.: 90247

Analysis: TCLP lead and TCLP zinby method SW846-1311

SAMPLE ID	DET. LIMIT	CONCENTRATION
10-00-046-PL		
TCLP Lead	0.1 mg/L	47.5 mg/L
TCLP Zinc	0.05 mg/L	54.0 mg/L
10-00-047-PL		
TCLP Lead	0.1 mg/L	8.7 mg/L
TCLP Zinc	0.05 mg/L	22.1 mg/L

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON
A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

October 27, 1990

REMCOR
Attention: Mr. John S. Evan

KCTL Job No.: 8602-90-0344

Reference: Two soil samples received 10-25-90
REMCOR Project No.: 90247
Chain of Custody #: 1827

Analysis: TCLP metals by SW846-1311 and
total metals by SW846-3050

SAMPLE ID	PARAMETER	DET. LIMIT	RESULT
10-00-045-PL	TCLP Pb	0.05 mg/L	31.1 mg/L
	Total Pb	50 mg/Kg	7528 mg/Kg
10-00-045-PL	TCLP Zn	0.005 mg/L	35.1 mg/L
	Total Zn	25 mg/Kg	2037 mg/Kg
10-00-046-PL	TCLP Pb	0.05 mg/L	7.0 mg/L
	Total Pb	50 mg/Kg	2572 mg/Kg
10-00-046-PL	TCLP Zn	0.005 mg/L	10.2 mg/L
	Total Zn	25 mg/Kg	766 mg/Kg

Hall-Kimbrell

October 30, 1990

John Evan
Remoor Inc.
701 Alpha Drive, PO Box 38310
Pittsburgh, PA 15238

Re: Analytical Result
#59303191-901023-01

Dear Mr. Evan:

Enclosed is the analytical result for the one sample received for Union Wire Rope on October 24, 1990. The sample was analyzed for total lead and TCLP lead. No analytical problems were encountered with the analysis of the sample and all associated QC samples were within criteria. Analytical results are summarized on the following page.

If you have any questions regarding this data, please do not hesitate to contact me at (913) 865-9434. Thank you for using PSI/Hall-Kimbrell Environmental Services.

Sincerely,

Darla J. Paulsen
Inorganic Division Manager

DJP/crk

Encls.

Hall-Kimbrell Environmental Services, Inc.
Lawrence: 4840 West 15th Street P.O. Box 307 Lawrence, KS 66044-0307 ☎ (913) 749-2981 (800) 445-0682 FAX (913) 865-9114

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THE ASSURANCE OF QUALITY

REPORT OF LABORATORY ANALYSIS

PACE Inc
EP TOX BENCH SHEET

PROJECT # 5009/2521

CLIENT : Kencor

LAB SAMPLE ID : 205293

MATRIX : Soil

DATE RECIEVED : 9/13/90

SAMPLE SIEVE TESTED BY : FHW

SAMPLE WEIGHT USED : 100.0g

INITIAL VOLUME OF DI ADDED : 16.00

TIME AND DATE STARTED : 3:30pm 9/13/90

ANALYST: BJS.

PERCENT SOLIDS DETERMINATION

WEIGHT OF FILTER _____

WEIGHT OF SAMPLE ALIQUOT _____

WEIGHT AFTER FILTERING _____

PERCENT SOLIDS _____ %

INITIAL pH 8.85 INITIAL VOLUME ACID 50 TIME 3:30

ADDITIONAL ACID	pH	Time
40	4.90	3:45
100	4.72	4:30
150	4.75	5:30

TOTAL ACID ADDED 400 FINAL pH 5.47 TIME OFF 3:30

FINAL DI ADDED 0

REAGENT LOT NUMBERS ACETIC ACID 2501 KEAL

SAMPLE QC

SPIKE SAMPLE 205216

DUP SAMPLE 205216

METHOD BLANK 9/13/90

SPIKE ANALYTE	SPIKE ADDED

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TEL: 913-599-5665
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CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON
A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

October 26, 1990

REMCOR
Attention: Mr. John S. Evan

KCTL Job No.: 8602-90-0344

Reference: Two soil samples received 10-25-90
REMCOR Project No.: 90247
Chain of Custody #: 1827

Analysis: TCLP lead and zinc by method SW846-1311

SAMPLE ID	PARAMETER	DET. LIMIT	RESULT
10-00-045-PL	TCLP Pb	0.05 mg/L	31.1 mg/L
10-00-046-PL	TCLP Pb	0.05 mg/L	7.0 mg/L

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THE ASSURANCE OF QUALITY

REPORT OF LABORATORY ANALYSIS

PACE Inc
EP TOX BENCH SHEET

PROJECT # 5009/2521

CLIENT : Rencor

LAB SAMPLE ID : 705275

MATRIX : Soil

DATE RECIEVED : 9/13/90

SAMPLE SIEVE TESTED BY : FHW

PERCENT SOLIDS DETERMINATION

SAMPLE WEIGHT USED : 100.0g

WEIGHT OF FILTER _____

INITIAL VOLUME OF DI ADDED : 1600

WEIGHT OF SAMPLE ALIQUOT _____

TIME AND DATE STARTED : 3:30pm 9/13/90

WEIGHT AFTER FILTERING _____

ANALYST: BJS.

PERCENT SOLIDS _____ %

INITIAL pH 9.16 INITIAL VOLUME ACID 10 TIME 3:30

ADDITIONAL ACID	pH	Time
50	4.94	3:45
290	4.80	4:30
50	5.00	5:30

TOTAL ACID ADDED 400 FINAL pH 5.89 TIME OFF 3:30

FINAL DI ADDED 0 REAGENT LOT NUMBERS ACETIC ACID 2591 KEAL

SAMPLE QC

SPIKE SAMPLE 705216

DUP SAMPLE 705216

METHOD BLANK 9/13/90

SPIKE ANALYTE	SPIKE ADDED

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REPORT OF LABORATORY ANALYSIS

PACE Inc
EP TOX BENCH SHEET

PROJECT # 50091252 1

CLIENT : Rencor

LAB SAMPLE ID : 705283

MATRIX : Soil

DATE RECIEVED : 9/13/90

SAMPLE SIEVE TESTED BY : FHW

SAMPLE WEIGHT USED : 100.0g

INITIAL VOLUME OF DI ADDED : 1600

TIME AND DATE STARTED : 3:30pm 9/13/90

ANALYST: BJS.

PERCENT SOLIDS DETERMINATION

WEIGHT OF FILTER _____

WEIGHT OF SAMPLE ALIQUOT _____

WEIGHT AFTER FILTERING _____

PERCENT SOLIDS _____ %

INITIAL pH 9.20 INITIAL VOLUME ACID 50 TIME 3:30

ADDITIONAL ACID	pH	Time
40	4.60	3:45
110	4.95	4:30
200	4.75	5:30

TOTAL ACID ADDED 400 FINAL pH 5.99 TIME OFF 3:30

FINAL DI ADDED 0 REAGENT LOT NUMBERS ACETIC ACID 2501 KEAL

SAMPLE QC

SPIKE SAMPLE 705216

DUP SAMPLE 705216

METHOD BLANK 9/13/90

SPIKE ANALYTE	SPIKE ADDED

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REPORT OF LABORATORY ANALYSIS

PACE Inc
EP TOX BENCH SHEET

PROJECT # 50091252 1

CLIENT : Kencor

LAB SAMPLE ID : 705259

MATRIX : Soil

DATE RECIEVED : 9/13/90

SAMPLE SIEVE TESTED BY : FHW

SAMPLE WEIGHT USED : 100.0g

INITIAL VOLUME OF DI ADDED : 1600

TIME AND DATE STARTED : 3:30pm 9/13/90

ANALYST: BJS.

PERCENT SOLIDS DETERMINATION

WEIGHT OF FILTER _____

WEIGHT OF SAMPLE ALIQUOT _____

WEIGHT AFTER FILTERING _____

PERCENT SOLIDS _____ %

INITIAL pH 9.24 INITIAL VOLUME ACID 110 TIME 3:30

ADDITIONAL ACID	pH	Time
50	4.95	3:45
150	4.95	4:30
90	4.80	5:30

TOTAL ACID ADDED 400 FINAL pH 5.52 TIME OFF 3:30

FINAL DI ADDED 0

REAGENT LOT NUMBERS ACETIC ACID 2501KEAL

SAMPLE QC

SPIKE ANALYTE	SPIKE ADDED

SPIKE SAMPLE 70521.6

DUP SAMPLE 70521.6

METHOD BLANK 9/13/90

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REPORT OF LABORATORY ANALYSIS

PACE Inc
EP TOX BENCH SHEET

PROJECT # 50091252 1

CLIENT : Rencor

LAB SAMPLE ID : 705267

MATRIX : Soil

DATE RECIEVED : 9/13/90

SAMPLE SIEVE TESTED BY : FHW

PERCENT SOLIDS DETERMINATION

SAMPLE WEIGHT USED : 100.0g

WEIGHT OF FILTER _____

INITIAL VOLUME OF DI ADDED : 1600

WEIGHT OF SAMPLE ALIQUOT _____

TIME AND DATE STARTED : 3:30pm 9/13/90

WEIGHT AFTER FILTERING _____

ANALYST: BJS.

PERCENT SOLIDS _____ %

INITIAL pH 9.34 INITIAL VOLUME ACID 140 TIME 3:30

ADDITIONAL ACID	pH	Time
#60	4.95	3:45
120	4.90	4:30
80	4.80	5:30

TOTAL ACID ADDED 400 FINAL pH 5.82 TIME OFF 3:30

FINAL DI ADDED 0 REAGENT LOT NUMBERS . ACETIC ACID 2501KEHL

SAMPLE QC

SPIKE SAMPLE 70521.6

DUP SAMPLE 70521.6

METHOD BLANK 9/13/90

SPIKE ANALYTE	SPIKE ADDED

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REPORT OF LABORATORY ANALYSIS

PACE Inc
EP TOX BENCH SHEET

PROJECT # 500912521

CLIENT : Kencor

LAB SAMPLE ID : 70523.2

MATRIX : Soil

DATE RECIEVED : 9/13/90

SAMPLE SIEVE TESTED BY : FHW

PERCENT SOLIDS DETERMINATION

SAMPLE WEIGHT USED : 100.0g

WEIGHT OF FILTER _____

INITIAL VOLUME OF DI ADDED : 1600

WEIGHT OF SAMPLE ALIQUOT _____

TIME AND DATE STARTED : 3:30pm 9/13/90

WEIGHT AFTER FILTERING _____

ANALYST: BJS.

PERCENT SOLIDS _____ %

INITIAL pH 9.20 INITIAL VOLUME ACID 75 mls TIME 3:30

ADDITIONAL ACID	pH	Time
20	4.95	3:45
110	4.86	4:30
100	4.76	5:30
95	4.80	6:30

TOTAL ACID ADDED 400 FINAL pH 5.41 TIME OFF 3:30

FINAL DI ADDED 0 REAGENT LOT NUMBERS ACETIC ACID 2501KEAL

SAMPLE QC

SPIKE SAMPLE 70528.0

DUP SAMPLE 70528.0

METHOD BLANK 9/13/90

SPIKE ANALYTE	SPIKE ADDED

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REPORT OF LABORATORY ANALYSIS

PACE Inc
EP TOX BENCH SHEET

PROJECT # 500912521

CLIENT : Kencor

LAB SAMPLE ID : 705240

MATRIX : Soil

DATE RECIEVED : 9/13/90

SAMPLE SIEVE TESTED BY : FHW

PERCENT SOLIDS DETERMINATION

SAMPLE WEIGHT USED : 100.0g

WEIGHT OF FILTER _____

INITIAL VOLUME OF DI ADDED : 1600

WEIGHT OF SAMPLE ALIQUOT _____

TIME AND DATE STARTED : 3:30pm 9/13/90

WEIGHT AFTER FILTERING _____

ANALYST: BJS.

PERCENT SOLIDS _____ %

INITIAL pH 9.13 INITIAL VOLUME ACID _____ TIME 3:30

ADDITIONAL ACID	pH	Time
50	4.86	3:45
30	4.91	4:30
120	4.95	5:30
200	4.65	6:30

TOTAL ACID ADDED 400 FINAL pH 5.69 TIME OFF 3:30

FINAL DI ADDED 0 REAGENT LOT NUMBERS ACETIC ACID 2501KEAL

SAMPLE QC

SPIKE SAMPLE 70521.6

DUP SAMPLE 70521.6

METHOD BLANK 9/13/90

SPIKE ANALYTE	SPIKE ADDED

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REPORT OF LABORATORY ANALYSIS

PACE Inc
EP TOX BENCH SHEET

PROJECT # 5009/2521

CLIENT : Kencor

LAB SAMPLE ID : 70521.6 dup

MATRIX : Soil

DATE RECIEVED : 9/13/90

SAMPLE SIEVE TESTED BY : FHW

PERCENT SOLIDS DETERMINATION

SAMPLE WEIGHT USED : 100.0g

WEIGHT OF FILTER _____

INITIAL VOLUME OF DI ADDED : 1600

WEIGHT OF SAMPLE ALIQUOT _____

TIME AND DATE STARTED : 3:30pm 9/13/90

WEIGHT AFTER FILTERING _____

ANALYST: BJS.

PERCENT SOLIDS _____ %

INITIAL pH 8.65 INITIAL VOLUME ACID 60 TIME 3:30

ADDITIONAL ACID	pH	Time
30	4.95	3:45
70	4.90	4:30
150	4.79	5:30
90	4.76	6:30

TOTAL ACID ADDED 400 FINAL pH 5.66 TIME OFF 3:30

FINAL DI ADDED 0

REAGENT LOT NUMBERS ACETIC ACID 2501 KEAL

SAMPLE QC

SPIKE SAMPLE 70521.6

DUP SAMPLE 70521.6

METHOD BLANK 9/13/90

SPIKE ANALYTE	SPIKE ADDED

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REPORT OF LABORATORY ANALYSIS

PACE Inc
EP TOX BENCH SHEET

PROJECT # 500912521

CLIENT : Kencor

LAB SAMPLE ID : 705224

MATRIX : Soil

DATE RECIEVED : 9/13/90

SAMPLE SIEVE TESTED BY : FHW

SAMPLE WEIGHT USED : 100.0g

INITIAL VOLUME OF DI ADDED : 16.00

TIME AND DATE STARTED : 3:30pm 9/13/90

ANALYST: BJS.

PERCENT SOLIDS DETERMINATION

WEIGHT OF FILTER _____

WEIGHT OF SAMPLE ALIQUOT _____

WEIGHT AFTER FILTERING _____

PERCENT SOLIDS _____ %

INITIAL pH 9.03 INITIAL VOLUME ACID 110 TIME 3:30

ADDITIONAL ACID	pH	Time
50	4.95	3:45
110	4.76	4:30
130	4.85	5:30
110	4.80	6:30

TOTAL ACID ADDED 400 FINAL pH 5.72 TIME OFF 3:30

FINAL DI ADDED 0

REAGENT LOT NUMBERS ACETIC ACID 250/KEAL

SAMPLE QC

SPIKE SAMPLE 70521.6

DUP SAMPLE 70521.6

METHOD BLANK 9/13/90

SPIKE ANALYTE	SPIKE ADDED

9608 Loiret Boulevard
Lenexa, KS 66219
TEL: 913-599-5665
FAX: 913-599-1759

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THE ASSURANCE OF QUALITY

REPORT OF LABORATORY ANALYSIS

Remcor, Inc.
P.O. Box 38310
701 Alpha Drive
Pittsburgh, PA 15238

October 25, 1990
PACE Project
Number: 501023507

Attn: Mr. William Beck

Union Wire Rope

PACE Sample Number:			60 0726647	
Date Collected:			10/23/90	
Date Received:			10/23/90	
Parameter	Units	MDL	10-00-041-A Dup.	DATE ANALYZED
INORGANIC ANALYSIS				
INDIVIDUAL PARAMETERS				
Lead	mg/kg	1.0	1740	10/23/90
Lead, Leachate	mg/L	0.25	3.21	10/24/90
TCLP EXTRACT DATE - METALS			10/23/90	

MDL Method Detection Limit

The data contained in this report were obtained using EPA or other approved methodologies. All analyses were performed by me or under my supervision.

D. R. Boline

Duane R. Boline, Ph.D.
Director, Sampling and Analytical Services

9608 Loiret Boulevard
Lenexa, KS 66219
TEL: 913-599-5665
FAX: 913-599-1759

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REPORT OF LABORATORY ANALYSIS

PACE Inc
EP TOX BENCH SHEET

PROJECT # 500912521

CLIENT : Kencor

LAB SAMPLE ID : 705216

MATRIX : Soil

DATE RECIEVED : 9/13/90

SAMPLE SIEVE TESTED BY : FHW

PERCENT SOLIDS DETERMINATION

SAMPLE WEIGHT USED : 100.0g

WEIGHT OF FILTER _____

INITIAL VOLUME OF DI ADDED : 1600

WEIGHT OF SAMPLE ALIQUOT _____

TIME AND DATE STARTED : 3:30pm 9/13/90

WEIGHT AFTER FILTERING _____

ANALYST: BJS.

PERCENT SOLIDS _____ %

INITIAL pH 8.67 INITIAL VOLUME ACID 70 mls TIME 3:30

ADDITIONAL ACID	pH	Time
40	4.90	3:45
50	4.85	4:30
150	4.87	5:30
90	4.69	6:30

TOTAL ACID ADDED 400 FINAL pH 5.46 TIME OFF 3:30

FINAL DI ADDED 0 REAGENT LOT NUMBERS ACETIC ACID 2501 KEAL

SAMPLE QC

SPIKE SAMPLE 705216

DUP SAMPLE 705216

METHOD BLANK 9/13/90

SPIKE ANALYTE	SPIKE ADDED

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Lenexa, KS 66219
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FAX: 913-599-1759

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REPORT OF LABORATORY ANALYSIS

Remcor, Inc.
O. Box 38310
Jl Alpha Drive
Pittsburgh, PA 15238

October 25, 1990
PACE Project
Number: 501023507

Attn: Mr. William Beck

Union Wire Rope

PACE Sample Number:			60 0726647	
Date Collected:			10/23/90	
Date Received:			10/23/90	
Parameter	Units	MDL	10-00-041-A Dup.	DATE ANALYZED
INORGANIC ANALYSIS				
INDIVIDUAL PARAMETERS				
Lead	mg/kg	1.0	1740	10/23/90
Lead, Leachate	mg/L	0.25	3.21	10/24/90
TCLP EXTRACT DATE - METALS			10/23/90	

MDL Method Detection Limit

The data contained in this report were obtained using EPA or other approved methodologies. All analyses were performed by me or under supervision.

Duane R. Boline, Ph.D.
Director, Sampling and Analytical Services

9608 Lowet Boulevard
Lenexa, KS 66219
TEL: 913 599 5665
FAX: 913 599 1759

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THE ASSURANCE OF QUALITY

REPORT OF LABORATORY ANALYSIS

October 25, 1990

Mr. William Beck
Remcor, Inc.
P.O. Box 38310
701 Alpha Drive
Pittsburgh, PA 15238

RE: PACE Project No. 501023.507
Union Wire Rope

Dear Mr. Beck:

Enclosed is the report of laboratory analyses for samples received October 23, 1990.

If you have any questions concerning this report, please feel free to contact us.

Sincerely,

Duane R. Boline, Ph.D.
Director, Sampling and Analytical Services

Enclosures

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Lenexa, KS 66219
TEL: 913-599-5665
FAX: 913-599-1759

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CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON
A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

October 24, 1990

REMCOR
Attention: Mr. John S. Evan

KCTL Job No.: 8602-90-0344

Reference: One soil sample received 10-23-90
REMCOR Project No.: 90247
Sample ID: 10-00-043-PL
Chain of Custody #: 1825

PARAMETER	METHOD	DET. LIMIT	RESULTS
Total Pb	3050	12 mg/Kg	2805
TCLP Pb	1311	0.05 mg/L	2.1 mg/L

pace. INCORPORATED
THE ASSURANCE OF QUALITY

REPORT OF LABORATORY ANALYSIS

October 25, 1990

This will also be mailed

Post-it™ brand fax transmittal memo 7671	# of pages ▸ 3
To Dave Circone	From Jody Velten
Co. Remcor	Co. Pace, Inc
Dept. c/o Union Wire	Phone # 913-599-5665
Fax # 816-242-3170	Fax # 913-599-1759

Mr. William Beck
Remcor, Inc.
P.O. Box 38310
701 Alpha Drive
Pittsburgh, PA 15238

RE: PACE Project No. 501023.507
Union Wire Rope

Dear Mr. Beck:

Enclosed is the report of laboratory analyses for samples received October 23, 1990.

If you have any questions concerning this report, please feel free to contact us.

Sincerely,

Duane R. Boline, Ph.D.
Director, Sampling and Analytical Services

Enclosures

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY

1669 JEFFERSON A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

October 22, 1990

REMCOR
Attention: Mr. John S. Evan

KCTL Job No.: 8602-90-0344

Reference: Four soil samples received 10-19-90
REMCOR Project No.: 90247

Analysis: TCLP lead and zinc by method SW846-1311

SAMPLE ID	PARAMETER	DET. LIMIT(mg/L)	RESULT(mg/L)
10-00-037-PL	Pb	0.05	11.2
0-00-037-PL	Zn	0.1	12.9
10-00-038-PL	Pb	0.05	8.1
10-00-038-PL	Zn	0.1	7.4
10-00-039-PL	Pb	0.05	6.6
10-00-039-PL	Zn	0.1	14.2
10-00-040-PL	Pb	0.05	21.2
10-00-040-PL	Zn	0.5	65.9

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY

1669 JEFFERSON
A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

October 22, 1990

REMCOR
Attention: Mr. John S. Evan

KCTL Job No.: 8602-90-0344

Reference: Four soil samples received 10-19-90
REMCOR Project No.: 90247

Analysis: Total lead and zinc by method SW846-3050

SAMPLE ID	PARAMETER	DET. LIMIT(mg/Kg)	RESULTS(mg/Kg)
10-00-037-PL	Pb	50	16213
10-00-037-PL	Zn	2	735
10-00-038-PL	Pb	50	4053
10-00-038-PL	Zn	2	1118
10-00-039-PL	Pb	50	8284
10-00-039-PL	Zn	2	2872
10-00-040-PL	Pb	50	17430
10-00-040-PL	Zn	8	19832

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON
A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

October 8, 1990

REMCOR
Attention: Mr. John S. Evan

KCTL Job No.: 8602-90-0329

Reference: Two soil samples received 10-4-90
REMCOR Project No.: 90247

Analysis: TCLP lead and zinc by method SW846-1311/3010

PARAMETER	SAMPLE ID	DET. LIMIT	CONCENTRATION
LEAD	02-08-002-SP	.05 mg/L	5.8 mg/L
ZINC	02-08-002-SP	.01 mg/L	3.58 mg/L
LEAD	10-08-000-SP	.05 mg/L	15.4 mg/L
ZINC	10-08-000-SP	.01 mg/L	25.8 mg/L

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON
A.C. 816-842 350
KANSAS CITY, MISSOURI 64108

October 8, 1990

REMCOR
Attention: Mr. John S. Evan

KCTL Job No.: 8602-90-0329

Reference: Two soil samples received 10-4-90
REMCOR Project No.: 90247

Analysis: Total lead and zinc by method SW846-3050/7420,7950

PARAMETER	SAMPLE ID	DET. LIMIT	CONCENTRATION
LEAD	02-08-002-SP	1 mg/Kg	3601 mg/Kg
ZINC	02-08-002-SP	0.2 mg/Kg	1259 mg/Kg
LEAD	10-08-000-SP	1 mg/Kg	18123 mg/Kg
ZINC	10-08-000-SP	0.2 mg/Kg	2622 mg/Kg

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON A.C. 816-842-735(
KANSAS CITY, MISSOURI 6410(

September 18, 1990

REMCOR
Attention: Mr. John S. Evan

KCTL Job No.: 8602-90-0304

Reference: One soil sample received 8-27-90
REMCOR Project No.: 90247
Sample ID: 09-08-023-S

Analysis: TCLP by method SW846-3011 (Results reported as mg/L)

PARAMETER	METHOD	DET.LIMIT	CONCENTRATION
Mercury	EPA 245.1	.0002	none detected
Arsenic	7060	.002	.005
Selenium	7740	.05	none detected
Barium	SM3113	.02	.9
Chromium	7190	.02	.02
Cadnium	7130	.005	.03
Silver	7760	.01	none detected
Lead	7420	.05	13.1

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY

A.C. 816-842-7350
NSAS CITY, MISSOURI 64108

FAX to Nancy Lee
309- 688-0881

October 8, 1990

Peoria Disposal Co.
Attention: Mr. John B
KCTL Job No.: 8602-9

SAMPLE ID:One ARMCO s

PARAMETER	METHOD		VERY	RESULTS(mg/L)
TCLP:	SW846-1311			
Mercury	EPA 245.1	0.0002 mg/L	86	ND
Arsenic	7060	0.01 mg/L	97	0.02
Selenium	7740	0.02 mg/L	76	ND
Barium	SM3113	0.02 mg/L	98	0.96
Chromium	7190	0.01 mg/L	73	0.02
Cadnium	7130	0.005 mg/L	102	0.03
Silver	7760	0.01 mg/L	68	0.01
Lead	7420	0.05 mg/L	102	3.7
Total Phenol	9065	0.05 mg/Kg	118	0.67mg/Kg

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON
A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

October 8, 1990

Peoria Disposal Co.
Attention: Mr. John Bozarth
KCTL Job No.: 8602-90-0304

SAMPLE ID: One ARMCO soil sample received 9-28-90

Parameter	TCLP Concentration (mg/l)	Maximum Allowable Concentration (mg/l)
TCLP VOLATILE ORGANIC COMPOUNDS		
Benzene	< 0.005	0.5
Carbon Tetrachloride	< 0.005	0.5
Chlorobenzene	< 0.010	100.0
Chloroform	< 0.005	6.0
1,2-Dichloroethane	< 0.005	0.5
1,1-Dichloroethylene	< 0.005	0.7
Methyl ethyl ketone	< 0.010	200.0
Tetrachloroethylene	< 0.005	0.7
Trichloroethylene	< 0.005	0.5
Vinyl chloride	< 0.010	0.2
TCLP SEMIVOLATILE ORGANIC COMPOUNDS		
Total Cresols (o + m + p)	< 0.30	200.0
1,4-Dichlorobenzene	< 0.10	7.5
2,4-Dinitrotoluene	< 0.10	0.13
Hexachlorobenzene	< 0.10	0.13
Hexachlorobutadiene	< 0.10	0.5
Hexachloroethane	< 0.10	3.0
Nitrobenzene	< 0.10	2.0
Pentachlorophenol	< 0.50	100.0
Pyridine	< 0.10	5.0
2,4,5-Trichlorophenol	< 0.50	400.0
2,4,6-Trichlorophenol	< 0.10	2.0
TCLP PESTICIDES & HERBICIDES		
Lindane	< 0.00005	0.4
Heptachlor(+hydroxide)	< 0.00005	0.008
Endrin	< 0.00010	0.02
Methoxychlor	< 0.00050	10.0
Chlordane	< 0.00050	0.03
Toxaphene	< 0.0010	0.07
2,4-D	< 0.080	10.0
2,4,5-TP (Silvex)	< 0.040	1.0

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATOR
1669 JEFFERSON A.C. 816-842-73
KANSAS CITY, MISSOURI 641

September 18, 1990

REMCOR
Attention: Mr. John S. Evan

KCTL Job No.: 8602-90-0304

Reference: One soil sample received 8-27-90
REMCOR Project No.: 90247
Sample ID: 09-08-023-S

Analysis: Total metals by method SW846-3050 (Results reported as mg/Kg)

PARAMETER	METHOD	DET.LIMIT	CONCENTRATION
Mercury	EPA 245.1	.01	none detected
Arsenic	7060	.07	13
Selenium	7740	1.5	none detected
Barium	SM3113	7	200
Chromium	7190	.3	14
Cadnium	7130	.2	2.0
Silver	7760	.3	3.3
Lead	7420	1.7	9852

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THE ASSURANCE OF QUALITY

REPORT OF LABORATORY ANALYSIS

Mr. William Beck
P 5

Union Wire Rope

September 17, 1990
PACE Project
Number: 500912521

PACE Sample Number:			60 0705283	
Date Collected:			09/12/90	
Date Received:			09/13/90	
Parameter	Units	MDL	0080-S	DATE ANALYZED
INORGANIC ANALYSIS				
INDIVIDUAL PARAMETERS				
Copper, Leachate	mg/L	0.25	ND	09/17/90
EP TOXICITY LEACHATE PREP DATE			09/13/90	
Lead, Leachate	mg/L	0.25	3.61	09/17/90
Nickel, Leachate	mg/L	0.25	ND	09/17/90
Zinc, Leachate	mg/L	0.25	5.26	09/17/90

PACE Sample Number:			60 0705291	
Date Collected:			09/12/90	
Date Received:			09/13/90	
Parameter	Units	MDL	0090-S	DATE ANALYZED
INORGANIC ANALYSIS				
IN IDUAL PARAMETERS				
Copper, Leachate	mg/L	0.25	0.518	09/17/90
EP TOXICITY LEACHATE PREP DATE			09/13/90	
Lead, Leachate	mg/L	0.25	26.4	09/17/90
Nickel, Leachate	mg/L	0.25	ND	09/17/90
Zinc, Leachate	mg/L	0.25	9.59	09/17/90

MDL Method Detection Limit
ND Not detected at or above the MDL.

The data contained in this report were obtained using EPA or other approved methodologies. All analyses were performed by me or under ny supervision.

Duane R. Boline, Ph.D.
Director, Sampling and Analytical Services

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Lenexa, KS 66219
TEL: 913-599-5665
FAX: 913 599 1759

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KANSAS CITY TESTING LABORATORY

September 24, 1990

REMCOR
Attention: Mr. John S. Evan

KCTL Job No.: 8602-90-0304

Reference: Four soil samples received 9-20-1990

REMCOR Project No.: 90247

Sample ID: 1 - 02-07-001-S - Section 2 excavated
2 - 09-00-034-S Screened pile in section 4
3 - 09-00-035-S screened pile in Section 5
4 - 09-00-036-S Larger screened stone (section 3)

PARAMETER	METHOD	DET. LIMIT	1	2	3	4
PB, total	3050-7420	50 mg/Kg	4826	4813	2293	940
% recovery: 90% Sample 2, 109% Sample 3						
PB, TCLP	SW846-1311 /3010	0.1 mg/L	0.4	0.1	8.1	1.6
Final pH			9.3	9.2	6.1	6.4
% recovery: 100% Sample 1						
Zn, total	3050/7950		------- in process -------			
Zn, TCLP	SW846-1311 /3010	.005 mg/L	0.15	0.10	2.73	3.26
% recovery: 96%, Sample 1						

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REPORT OF LABORATORY ANALYSIS

Mr. William Beck
ıge 3

September 17, 1990
PACE Project
Number: 500912521

Union Wire Rope

PACE Sample Number:			60 0705240	
Date Collected:			09/12/90	
Date Received:			09/13/90	
Parameter	Units	MDL	0040-S	DATE ANALYZED
INORGANIC ANALYSIS				
INDIVIDUAL PARAMETERS				
Copper, Leachate	mg/L	0.25	0.361	09/17/90
EP TOXICITY LEACHATE PREP DATE			09/13/90	
Lead, Leachate	mg/L	0.25	12.6	09/17/90
Nickel, Leachate	mg/L	0.25	ND	09/17/90
Zinc, Leachate	mg/L	0.25	15.9	09/17/90

PACE Sample Number:			60 0705259	
Date Collected:			09/12/90	
Date Received:			09/13/90	
Parameter	Units	MDL	0050-S	DATE ANALYZED
INORGANIC ANALYSIS				
IVIDUAL PARAMETERS				
cupper, Leachate	mg/L	0.25	ND	09/17/90
EP TOXICITY LEACHATE PREP DATE			09/13/90	
Lead, Leachate	mg/L	0.25	8.94	09/17/90
Nickel, Leachate	mg/L	0.25	ND	09/17/90
Zinc, Leachate	mg/L	0.25	10.6	09/17/90

MDL Method Detection Limit
ND Not detected at or above the MDL.

9608 Loiret Boulevard
Lenexa, KS 66219
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REPORT OF LABORATORY ANALYSIS

Mr. William Beck
Page 4

September 17, 1990
PACE Project
Number: 500912521

Union Wire Rope

PACE Sample Number:			60 0705267	
Date Collected:			09/12/90	
Date Received:			09/13/90	
Parameter	Units	MDL	0060-S	DATE ANALYZED
INORGANIC ANALYSIS				
INDIVIDUAL PARAMETERS				
Copper, Leachate	mg/L	0.25	0.356	09/17/90
EP TOXICITY LEACHATE PREP DATE			09/13/90	
Lead, Leachate	mg/L	0.25	6.56	09/17/90
Nickel, Leachate	mg/L	0.25	ND	09/17/90
Zinc, Leachate	mg/L	0.25	7.31	09/17/90

PACE Sample Number:			60 0705275	
Date Collected:			09/12/90	
Date Received:			09/13/90	
Parameter	Units	MDL	0070-S	DATE ANALYZED
INORGANIC ANALYSIS				
INDIVIDUAL PARAMETERS				
Copper, Leachate	mg/L	0.25	ND	09/17/90
EP TOXICITY LEACHATE PREP DATE			09/13/90	
Lead, Leachate	mg/L	0.25	3.48	09/17/90
Nickel, Leachate	mg/L	0.25	ND	09/17/90
Zinc, Leachate	mg/L	0.25	2.42	09/17/90

MDL Method Detection Limit
ND Not detected at or above the MDL.

pace INCORPORATED
THE ASSURANCE OF QUALITY

REPORT OF LABORATORY ANALYSIS

Remcor, Inc.
.O. Box 38310
.01 Alpha Drive
Pittsburgh, PA 15238

September 17, 1990
PACE Project
Number: 500912521

Attn: Mr. William Beck

Union Wire Rope

PACE Sample Number:			60 0705216	
Date Collected:			09/12/90	
Date Received:			09/13/90	
Parameter	Units	MDL	0010-S	DATE ANALYZED
INORGANIC ANALYSIS				
INDIVIDUAL PARAMETERS				
Copper, Leachate	mg/L	0.25	2.34	09/17/90
EP TOXICITY LEACHATE PREP DATE			09/13/90	
Lead, Leachate	mg/L	0.25	38.0	09/17/90
Nickel, Leachate	mg/L	0.25	ND	09/17/90
Zinc, Leachate	mg/L	0.25	46.6	09/17/90

MDL Method Detection Limit
ND Not detected at or above the MDL.

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FAX: 913-599-1759

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REPORT OF LABORATORY ANALYSIS

Mr. William Beck
Page 2

September 17, 1990
PACE Project
Number: 500912521

Union Wire Rope

PACE Sample Number:			60 0705224	
Date Collected:			09/12/90	
Date Received:			09/13/90	
Parameter	Units	MDL	0020-S	DATE ANALYZED
INORGANIC ANALYSIS				
INDIVIDUAL PARAMETERS				
Copper, Leachate	mg/L	0.25	0.348	09/17/90
EP TOXICITY LEACHATE PREP DATE			09/13/90	
Lead, Leachate	mg/L	0.25	13.6	09/17/90
Nickel, Leachate	mg/L	0.25	ND	09/17/90
Zinc, Leachate	mg/L	0.25	17.2	09/17/90

PACE Sample Number:			60 0705232	
Date Collected:			09/12/90	
Date Received:			09/13/90	
Parameter	Units	MDL	0030-S	DATE ANALYZED
INORGANIC ANALYSIS				
INDIVIDUAL PARAMETERS				
Copper, Leachate	mg/L	0.25	2.16	09/17/90
EP TOXICITY LEACHATE PREP DATE			09/13/90	
Lead, Leachate	mg/L	0.25	46.4	09/17/90
Nickel, Leachate	mg/L	0.25	ND	09/17/90
Zinc, Leachate	mg/L	0.25	22.5	09/17/90

MDL Method Detection Limit
ND Not detected at or above the MDL.

9608 Loiret Boulevard
Lenexa, KS 66219
TEL: 913-599-5665
FAX: 913-599-1759

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CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON
A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

November 27, 1990

REMCOR
Attention: Mr. John S. Evan

Job No.: 8602-90-0344
KCTL No.: C-1133
Reference: One soil sample received 11-20-90
REMCOR Project No.: 90247
Chain of Custody #: 1837

Analysis: TCLP metals by SW846-1311

SAMPLE ID	PARAMETER	DET. LIMIT	RESULT
15-00-001-PL	TCLP Pb	0.05 mg/L	6.4 mg/L

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON
A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

November 28, 1990

REMCOR
Attention: Mr. John S. Evan

Job No.: 8602-90-0344
KCTL No.: C-1133
Reference:One soil sample received 11-20-90
REMCOR Project No.: 90247
Chain of Custody #: 1837

Analysis: TCLP metals by SW846-1311
Total metals by SW846-3050

SAMPLE ID	PARAMETER	DET. LIMIT	RESULT
15-00-001-PL	TCLP Pb	0.05 mg/L	6.4 mg/L
15-00-001-PL	Total Pb	25 mg/Kg	1134 mg/Kg

Hall-Kimbrell

November 27, 1990

John Evan
Remcor Inc.
701 Alpha Drive, PO Box 38310
Pittsburgh, PA 15238

Re: Analytical Result
#59303191-901120-01

Dear Mr. Evan:

Enclosed is the analytical result for the one sample received on November 20, 1990. The sample was analyzed for total lead and TCLP lead. No analytical problems were encountered with the analysis of the sample and all associated QC samples were within criteria. Analytical results are summarized on the following page.

Samples are scheduled for disposal on December 7, 1990. If you would like additional analysis or would like the samples to be returned to you, please contact us as soon as possible.

If you need any more information regarding this data, please do not hesitate to contact me at (913) 865-9434. Thank you for using PSI/Hall-Kimbrell Environmental Services.

Sincerely,

Darla J Paulsen

Darla J. Paulsen
Inorganic Division Manager

DJP/crk

Encls.

Hall-Kimbrell Environmental Services, Inc.
Lawrence: 4840 West 15th Street P.O. Box 307 Lawrence, KS 66044-0307 ☎ (913) 749-2381 (800) 445-0682 FAX (913) 865-9114

Remcor
59303191-901120-01
November 27, 1990

CLIENT# (SAMPLE#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD
15-00-004-PI	TCLP Lead	9.59	0.03	mg/L	6010
	Total Lead	1427	3	mg/kg	6010

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON
A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

November 28, 1990

REMCOR
Attention: Mr. John S. Evan

Job No.: 8602-90-0344
KCTL No.: C-1136
Reference:Four soil samples received 11-20-90
REMCOR Project No.: 90247
Chain of Custody #: 1840

Analysis: TCLP metals by SW846-1311
Total metals by SW846-3050

SAMPLE ID	PARAMETER	DET. LIMIT	RESULT
03-00-003-SC	TCLP Pb	0.05 mg/L	95.8 mg/L
	Total Pb	25 mg/Kg	20425 mg/Kg
03-00-004-SC	TCLP Pb	0.05 mg/L	ND
	Total Pb	3 mg/Kg	150 mg/Kg
04-00-003-PL	TCLP Pb	0.05 mg/L	22.6 mg/L
	Total Pb	25 mg/Kg	5783 mg/Kg
04-00-004-PL	TCLP Pb	0.05 mg/L	ND
	Total Pb	3 mg/Kg	35 mg/Kg

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON A.C. 816-842-735
KANSAS CITY, MISSOURI 64108

November 29, 1990

REMCOR
Attention: Mr. John S. Evan

Job No.: 8602-90-0344
KCTL No.: C-1150
Reference:Two soil samples received 11-28-90
REMCOR Project No.: 90247
Chain of Custody #: 1842

Analysis: TCLP metals by SW846-1311

SAMPLE ID	PARAMETER	DET. LIMIT	RESULT
06-00-005-PL	TCLP Pb	1 mg/L	259 mg/L
06-00-006-PL	TCLP Pb	0.05 mg/L	4.8 mg/L

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON
A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

December 3, 1990

REMCOR
Attention: Mr. John S. Evan

Job No.: 8602-90-0344
KCTL No.: C-1150
Reference:Two soil samples received 11-28-90
REMCOR Project No.: 90247
Chain of Custody #: 1842

Analysis: TCLP lead by SW846-3050
Total lead by SW846-1311

SAMPLE ID	PARAMETER	DET. LIMIT	RESULT
06-00-005-PL	TCLP Lead	0.05 mg/L	259 mg/L
	Total Lead	50 mg/Kg	27700 mg/Kg
06-00-006-PL	TCLP Lead	0.05 mg/L	4.8 mg/L
	Total Lead	50 mg/L	4950 mg/Kg

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON
A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

December 2, 1990

REMCOR
Attention: Mr. John S. Evan

Job No.: 8602-90-0344
KCTL No.: C-1157
Reference:Two soil samples received 12-01-90
REMCOR Project No.: 90247
Chain of Custody #: 1848

Analysis: TCLP metals by SW846-1311

SAMPLE ID	PARAMETER	DET. LIMIT	RESULT
10-00-061-PL	TCLP Pb	0.4 mg/L	36.8 mg/L
10-00-062-PL	TCLP Pb	0.05 mg/L	6.8 mg/L

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON
A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

December 5, 1990

REMCOR
Attention: Mr. John S. Evan

Job No.: 8602-90-0344
KCTL No.: C-1173
Reference:Five soil samples received 12-05-90
REMCOR Project No.: 90247
Chain of Custody #: 1851

Analysis: TCLP lead by SW846-3050

SAMPLE ID	PARAMETER	DET. LIMIT	RESULT
10-00-063-PL(Blank)	TCLP Pb	0.05 mg/L	39.6 mg/L (note 1)

note: 1 - Lead concentration after 14 hours

CHEMICAL DIVISION

KANSAS CITY TESTING LABORAT

1669 JEFFERSON A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

December 5, 1990

REMCOR
Attention: Mr. John S. Evan

Job No.: 8602-90-0344
KCTL No.: C-1157
Reference:Two soil samples received 12-01-90
REMCOR Project No.: 90247
Chain of Custody #: 1848

Analysis: TCLP metals by SW846-1311
Total metals by SW846-3050

SAMPLE ID	PARAMETER	DET. LIMIT	RESULT
10-00-061-PL	TCLP Pb	0.4 mg/L	36.8 mg/L
	Total Pb	50 mg/Kg	6771 mg/Kg
10-00-062-PL	TCLP Pb	0.05 mg/L	6.8 mg/L
	Total Pb	50 mg/Kg	1978 mg/Kg

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON
A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

December 5, 1990

REMCOR
Attention: Mr. John S. Evan

Job No.: 8602-90-0344
KCTL No.: C-1164
Reference:Six soil samples received 12-03-90
REMCOR Project No.: 90247
Chain of Custody #: 1850

Analysis: Total metals by SW846-3050

SAMPLE ID	PARAMETER	DET. LIMIT	RESULT
S1T6/01-06-001-SC	Total Pb	2 mg/Kg	16.5 mg/Kg
S1B6/01-06-002-SC	Total Pb	2 mg/Kg	232 mg/Kg
S2T6/01-06-003-SC	Total Pb	2 mg/Kg	16.3 mg/Kg
S2B6/01-06-004-SC	Total Pb	2 mg/Kg	16.3 mg/Kg
S3T6/01-06-005-SC	Total Pb	2 mg/Kg	140 mg/Kg
S3B6/01-06-006-SC	Total Pb	2 mg/Kg	16.4 mg/Kg

Professional Services Industries, Inc.
Hall-Kimbrell Division

Remcor
59303191-901130-01 & 02
December 6, 1990

CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD
	TCLP Extraction 1311				
Section 2-6	TCLP Lead	35.6	0.03	mg/L	7421
10-00-060-PL	Total Lead	4990	3	mg/kg	6010
731194	% moisture	0.08	0.1	%	160.3
Section 5-6	TCLP Lead	30.8	0.03	mg/L	7421
06-00-007-PL	Total Lead	9976	3	mg/kg	6010
731195	% moisture	0.14	0.1	%	160.3
Rem 28-BPH	TCLP Lead	9.88	0.03	mg/L	7421
731196	Total Lead	654	3	mg/kg	6010
	% moisture	0.19	0.1	%	160.3
Rem 28-18A	TCLP Lead	< 0.03	0.03	mg/L	7421
731197	Total Lead	1452	3	mg/kg	6010
	% moisture	0.19	0.1	%	160.3
Rem 28-18B	TCLP Lead	2.87	0.03	mg/L	7421
731198	Total Lead	585	3	mg/kg	6010
	% moisture	0.26	0.1	%	160.3
Rem 28-18C	TCLP Lead	< 0.03	0.03	mg/L	7421
731199	Total Lead	644	3	mg/kg	6010
	% moisture	0.2	0.1	%	160.3
Rem 28-14A	TCLP Lead	< 0.03	0.03	mg/L	7421
731200	Total Lead	3123	3	mg/kg	6010
	% moisture	0.18	0.1	%	160.3
Rem 28-14B	TCLP Lead	< 0.03	0.03	mg/L	7421
731201	Total Lead	332	3	mg/kg	6010
	% moisture	0.2	0.1	%	160.3
Rem 28-14C	TCLP Lead	0.8	0.03	mg/L	7421
731202	Total Lead	394	3	mg/kg	6010
	% moisture	0.28	0.1	%	160.3

CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD
Rem 29-PH05A	TCLP Lead		0.03	mg/L	7421
731225	Total Lead	1726	3	mg/kg	6010
	% moisture	0.08	0.1	%	160.3
Rem 29-SI10C	TCLP Lead		0.03	mg/L	7421
731226	Total Lead	3760	3	mg/kg	6010
	% moisture	0.26	0.1	%	160.3
Rem 29-SI10D	TCLP Lead		0.03	mg/L	7421
731227	Total Lead	2031	3	mg/kg	6010
	% moisture	0.22	0.1	%	160.3
Rem 29-SI05A	TCLP Lead		0.03	mg/L	7421
731228	Total Lead	2969	3	mg/kg	6010
	% moisture	0.22	0.1	%	160.3
Rem 29-SI05B	TCLP Lead		0.03	mg/L	7421
731229	Total Lead	2690	3	mg/kg	6010
	% moisture	0.16	0.1	%	160.3
Rem 29-SI05C	TCLP Lead		0.03	mg/L	7421
731230	Total Lead	2104	3	mg/kg	6010
	% moisture	0.2	0.1	%	160.3
Rem 29-SIO5D	TCLP Lead		0.03	mg/L	7421
731231	Total Lead	2896	3	mg/kg	6010
	% moisture	0.21	0.1	%	160.3
Rem 29-SOPLO	TCLP Lead		0.03	mg/L	7421
731232	Total Lead	791	3	mg/kg	6010
	% moisture	0.21	0.1	%	160.3
Rem 29-SOPLA	TCLP Lead		0.03	mg/L	7421
731233	Total Lead	2834	3	mg/kg	6010
	% moisture	0.14	0.1	%	160.3
Rem 29-SOPLB	TCLP Lead		0.03	mg/L	7421
731234	Total Lead	13850	3	mg/kg	6010
	% moisture	0.29	0.1	%	160.3
Rem 29-SOPLC	TCLP Lead		0.03	mg/L	7421
731235	Total Lead	4036	3	mg/kg	6010
	% moisture	0.3	0.1	%	160.3

CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD
Rem 29-SI10A	TCLP Lead	7.02	0.03	mg/L	7421
731214	Total Lead	5662	3	mg/kg	6010
	% moisture	0.22	0.1	%	160.3
Rem 29-SI10B	TCLP Lead	1.38	0.03	mg/L	7421
731215	Total Lead	7024	3	mg/kg	6010
	% moisture	0.22	0.1	%	160.3
Rem 29-PHO	TCLP Lead		0.03	mg/L	7421
731216	Total Lead	5131	3	mg/kg	6010
	% moisture	0.2	0.1	%	160.3
Rem 29-PH15A	TCLP Lead		0.03	mg/L	7421
731217	Total Lead	2371	3	mg/kg	6010
	% moisture	0.28	0.1	%	160.3
Rem 29-PH15B	TCLP Lead	< 0.03	0.03	mg/L	7421
731218	Total Lead	1330	3	mg/kg	6010
	% moisture	0.13	0.1	%	160.3
Rem 29-PH15C	TCLP Lead	20.25	0.03	mg/L	7421
731219	Total Lead	3411	3	mg/kg	6010
	% moisture	0.26	0.1	%	160.3
Rem 29-PH15D	TCLP Lead	0.115	0.03	mg/L	7421
731220	Total Lead	2294	3	mg/kg	6010
	% moisture	0.19	0.1	%	160.3
Rem 29-PH10A	TCLP Lead		0.03	mg/L	7421
731221	Total Lead	939	3	mg/kg	6010
	% moisture	0.22	0.1	%	160.3
Rem 29-PH10B	TCLP Lead	< 0.03	0.03	mg/L	7421
731222	Total Lead	1932	3	mg/kg	6010
	% moisture	0.22	0.1	%	160.3
Rem 29-PH10C	TCLP Lead	0.169	0.03	mg/L	7421
731223	Total Lead	3583	3	mg/kg	6010
	% moisture	0.21	0.1	%	160.3
Rem 29-PH10D	TCLP Lead		0.03	mg/L	7421
731224	Total Lead	2332	3	mg/kg	6010
	% moisture	0.18	0.1	%	160.3

CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD
Rem 28-SO	TCLP Lead	5.37	0.03	mg/L	7421
731203	Total Lead	331	3	mg/kg	6010
	% moisture	0.17	0.1	%	160.3
Rem 28-SWL	TCLP Lead	2.26	0.03	mg/L	7421
731204	Total Lead	320	3	mg/kg	6010
	% moisture	0.24	0.1	%	160.3
Rem 28-WS	TCLP Lead	1.47	0.03	mg/L	7421
731205	Total Lead	506	3	mg/kg	6010
	% moisture	0.19	0.1	%	160.3
Rem 29-PHO5B	TCLP Lead	2.31	0.03	mg/L	7421
731206	Total Lead	3477	3	mg/kg	6010
	% moisture	0.16	0.1	%	160.3
Rem 29-PHO5C	TCLP Lead	14.59	0.03	mg/L	7421
731207	Total Lead	5855	3	mg/kg	6010
	% moisture	0.23	0.1	%	160.3
Rem 29-PHO5D	TCLP Lead	0.45	0.03	mg/L	7421
731208	Total Lead	2822	3	mg/kg	6010
	% moisture	0.23	0.1	%	160.3
Rem 29-SIO	TCLP Lead	0.951	0.03	mg/L	7421
731209	Total Lead	4349	3	mg/kg	6010
	% moisture	0.18	0.1	%	160.3
Rem 29-SI15A	TCLP Lead	0.681	0.03	mg/L	7421
731210	Total Lead	2793	3	mg/kg	6010
	% moisture	0.24	0.1	%	160.3
Rem 29-SI15B	TCLP Lead	0.465	0.03	mg/L	7421
731211	Total Lead	1265	3	mg/kg	6010
	% moisture	0.15	0.1	%	160.3
Rem 29-SI15C	TCLP Lead	3.93	0.03	mg/L	7421
731212	Total Lead	3079	3	mg/kg	6010
	% moisture	0.23	0.1	%	160.3
Rem 29-SI15D	TCLP Lead	0.281	0.03	mg/L	7421
731213	Total Lead	3066	3	mg/kg	6010
	% moisture	0.17	0.1	%	160.3

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATC

1669 JEFFERSON
A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

December 7, 1990

REMCOR
Attention: Mr. John S. Evan

Job No.: 8602-90-0344
KCTL No.: C-1173
Reference: Four soil samples received 12-05-90
REMCOR Project No.: 90247
Chain of Custody #: 1851

Analysis: Total lead by SW846-1311
TCLP lead by SW846-3050

SAMPLE ID	PARAMETER	DET. LIMIT	RESULT
04-06-001-SC	Total Pb	50 mg/Kg	2410 mg/Kg
04-06-002-SC	Total Pb	50 mg/Kg	1680 mg/Kg
04-06-003-SC	Total Pb	50 mg/Kg	13053 mg/Kg
04-06-004-SC	Total Pb	50 mg/Kg	11195 mg/Kg
10-00-063-PL	Total Pb	50 mg/Kg	5481 mg/Kg
	TCLP Pb	0.05 mg/L	39.6 mg/L

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON
A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

December 9, 1990

REMCOR
Attention: Mr. John S. Evan

Job No.: 8602-90-0344
KCTL No.: C-1179
Reference: Two soil samples received 12-07-90
REMCOR Project No.: 90247
Chain of Custody #: 1849

Analysis: TCLP lead by SW846-1311

SAMPLE ID	PARAMETER	DET. LIMIT	RESULT
10-00-064-PL	TCLP Pb	0.05 mg/L	33.3 mg/L
10-00-065-PL	TCLP Pb	0.05 mg/L	13.1 mg/L

Professional Service Industries, Inc.
Hall-Kimbrell Division

December 11, 1990

John Evan
Remcor Inc.
701 Alpha Drive, PO Box 38310
Pittsburgh, PA 15238

Re: Analytical Results
#59303191-901130-01

Dear Mr. Evan:

Enclosed are the analytical results for the forty-two samples received on November 30, 1990. The samples were analyzed for % moisture, total lead and TCLP lead. No analytical problems were encountered with the analysis of the samples and all associated QC samples were within criteria. Analytical results are summarized on the following pages.

Samples are scheduled for disposal on December 21, 1990. If you would like additional analysis or would like the samples to be returned to you, please contact us as soon as possible.

If you need more information regarding this data, please do not hesitate to contact me at (913) 865-9434. Thank you for using PSI/Hall-Kimbrell Environmental Services.

Sincerely,

Darla J Paulsen

Darla J. Paulsen
Inorganic Division Manager

DJP/crk

Encls.

4840 West 15th Street • Lawrence, KS 66049 • Phone: 913/749-2381

Professional Services Industries, Inc.
Hall-Kimbrell Division

Remcor
90247
59303191-901130-01 & 02
December 11, 1990

CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD
	TCLP Extraction 1311				
Section 2-6	TCLP Lead	35.6	0.03	mg/L	7421
10-00-060-PL	Total Lead	4990	3	mg/kg	6010
731194	% moisture	0.08	0.1	%	160.3
Section 5-6	TCLP Lead	30.8	0.03	mg/L	7421
06-00-007-PL	Total Lead	9976	3	mg/kg	6010
731195	% moisture	0.14	0.1	%	160.3
Rem 28-BPH	TCLP Lead	9.88	0.03	mg/L	7421
731196	Total Lead	654	3	mg/kg	6010
	% moisture	0.19	0.1	%	160.3
Rem 28-18A	TCLP Lead	< 0.03	0.03	mg/L	7421
731197	Total Lead	1452	3	mg/kg	6010
	% moisture	0.19	0.1	%	160.3
Rem 28-18B	TCLP Lead	2.87	0.03	mg/L	7421
731198	Total Lead	585	3	mg/kg	6010
	% moisture	0.26	0.1	%	160.3
Rem 28-18C	TCLP Lead	< 0.03	0.03	mg/L	7421
731199	Total Lead	644	3	mg/kg	6010
	% moisture	0.2	0.1	%	160.3
Rem 28-14A	TCLP Lead	< 0.03	0.03	mg/L	7421
731200	Total Lead	3123	3	mg/kg	6010
	% moisture	0.18	0.1	%	160.3
Rem 28-14B	TCLP Lead	< 0.03	0.03	mg/L	7421
731201	Total Lead	332	3	mg/kg	6010
	% moisture	0.2	0.1	%	160.3
Rem 28-14C	TCLP Lead	0.8	0.03	mg/L	7421
731202	Total Lead	394	3	mg/kg	6010
	% moisture	0.28	0.1	%	160.3

CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD
Rem 28-SO	TCLP Lead	5.37	0.03	mg/L	7421
731203	Total Lead	331	3	mg/kg	6010
	% moisture	0.17	0.1	%	160.3
Rem 28-SWL	TCLP Lead	2.26	0.03	mg/L	7421
731204	Total Lead	320	3	mg/kg	6010
	% moisture	0.24	0.1	%	160.3
Rem 28-WS	TCLP Lead	1.47	0.03	mg/L	7421
731205	Total Lead	506	3	mg/kg	6010
	% moisture	0.19	0.1	%	160.3
Rem 29-PHO5B	TCLP Lead	2.31	0.03	mg/L	7421
731206	Total Lead	3477	3	mg/kg	6010
	% moisture	0.16	0.1	%	160.3
Rem 29-PHO5C	TCLP Lead	14.6	0.03	mg/L	7421
731207	Total Lead	5855	3	mg/kg	6010
	% moisture	0.23	0.1	%	160.3
Rem 29-PHO5D	TCLP Lead	0.45	0.03	mg/L	7421
731208	Total Lead	2822	3	mg/kg	6010
	% moisture	0.23	0.1	%	160.3
Rem 29-SIO	TCLP Lead	0.95	0.03	mg/L	7421
731209	Total Lead	4349	3	mg/kg	6010
	% moisture	0.18	0.1	%	160.3
Rem 29-SI15A	TCLP Lead	0.68	0.03	mg/L	7421
731210	Total Lead	2793	3	mg/kg	6010
	% moisture	0.24	0.1	%	160.3
Rem 29-SI15B	TCLP Lead	0.47	0.03	mg/L	7421
731211	Total Lead	1265	3	mg/kg	6010
	% moisture	0.15	0.1	%	160.3
Rem 29-SI15C	TCLP Lead	3.93	0.03	mg/L	7421
731212	Total Lead	3079	3	mg/kg	6010
	% moisture	0.23	0.1	%	160.3
Rem 29-SI15D	TCLP Lead	0.28	0.03	mg/L	7421
731213	Total Lead	3066	3	mg/kg	6010
	% moisture	0.17	0.1	%	160.3

CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD
Rem 29-SI10A	TCLP Lead	7.02	0.03	mg/L	7421
731214	Total Lead	5662	3	mg/kg	6010
	% moisture	0.22	0.1	%	160.3
Rem 29-SI10B	TCLP Lead	1.38	0.03	mg/L	7421
731215	Total Lead	7024	3	mg/kg	6010
	% moisture	0.22	0.1	%	160.3
Rem 29-PHO	TCLP Lead	22.8	0.03	mg/L	7421
731216	Total Lead	5131	3	mg/kg	6010
	% moisture	0.2	0.1	%	160.3
Rem 29-PH15A	TCLP Lead	0.57	0.03	mg/L	7421
731217	Total Lead	2371	3	mg/kg	6010
	% moisture	0.28	0.1	%	160.3
Rem 29-PH15B	TCLP Lead	< 0.03	0.03	mg/L	7421
731218	Total Lead	1330	3	mg/kg	6010
	% moisture	0.13	0.1	%	160.3
Rem 29-PH15C	TCLP Lead	20.2	0.03	mg/L	7421
731219	Total Lead	3411	3	mg/kg	6010
	% moisture	0.26	0.1	%	160.3
Rem 29-PH15D	TCLP Lead	0.12	0.03	mg/L	7421
731220	Total Lead	2294	3	mg/kg	6010
	% moisture	0.19	0.1	%	160.3
Rem 29-PH10A	TCLP Lead	0.07	0.03	mg/L	7421
731221	Total Lead	939	3	mg/kg	6010
	% moisture	0.22	0.1	%	160.3
Rem 29-PH10B	TCLP Lead	< 0.03	0.03	mg/L	7421
731222	Total Lead	1932	3	mg/kg	6010
	% moisture	0.22	0.1	%	160.3
Rem 29-PH10C	TCLP Lead	0.17	0.03	mg/L	7421
731223	Total Lead	3583	3	mg/kg	6010
	% moisture	0.21	0.1	%	160.3
Rem 29-PH10D	TCLP Lead	0.32	0.03	mg/L	7421
731224	Total Lead	2332	3	mg/kg	6010
	% moisture	0.18	0.1	%	160.3

CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD
Rem 29-PH05A	TCLP Lead	0.65	0.03	mg/L	7421
731225	Total Lead	1726	3	mg/kg	6010
	% moisture	0.08	0.1	%	160.3
Rem 29-SI10C	TCLP Lead	8.46	0.03	mg/L	7421
731226	Total Lead	3760	3	mg/kg	6010
	% moisture	0.26	0.1	%	160.3
Rem 29-SI10D	TCLP Lead	0.29	0.03	mg/L	7421
731227	Total Lead	2031	3	mg/kg	6010
	% moisture	0.22	0.1	%	160.3
Rem 29-SI05A	TCLP Lead	28.2	0.03	mg/L	7421
731228	Total Lead	2969	3	mg/kg	6010
	% moisture	0.22	0.1	%	160.3
Rem 29-SI05B	TCLP Lead	19.6	0.03	mg/L	7421
731229	Total Lead	2690	3	mg/kg	6010
	% moisture	0.16	0.1	%	160.3
Rem 29-SI05C	TCLP Lead	3.37	0.03	mg/L	7421
731230	Total Lead	2104	3	mg/kg	6010
	% moisture	0.2	0.1	%	160.3
Rem 29-SIO5D	TCLP Lead	< 0.03	0.03	mg/L	7421
731231	Total Lead	2896	3	mg/kg	6010
	% moisture	0.21	0.1	%	160.3
Rem 29-SOPLO	TCLP Lead	2.67	0.03	mg/L	7421
731232	Total Lead	791	3	mg/kg	6010
	% moisture	0.21	0.1	%	160.3
Rem 29-SOPLA	TCLP Lead	2.84	0.03	mg/L	7421
731233	Total Lead	2834	3	mg/kg	6010
	% moisture	0.14	0.1	%	160.3
Rem 29-SOPLB	TCLP Lead	< 0.03	0.03	mg/L	7421
731234	Total Lead	13850	3	mg/kg	6010
	% moisture	0.29	0.1	%	160.3
Rem 29-SOPLC	TCLP Lead	0.05	0.03	mg/L	7421
731235	Total Lead	4036	3	mg/kg	6010
	% moisture	0.3	0.1	%	160.3

Professional Service Industries, Inc.
Hall-Kimbrell Division

December 11, 1990

John Evan
Remcor Inc.
701 Alpha Drive, PO Box 36310
Pittsburgh, PA 15238

Re: Analytical Results
#59303191-901130-01

Dear Mr. Evan:

Enclosed are the analytical results for the forty-two samples received on November 30, 1990. The samples were analyzed for % moisture, total lead and TCLP lead. No analytical problems were encountered with the analysis of the samples and all associated QC samples were within criteria. Analytical results are summarized on the following pages.

Samples are scheduled for disposal on December 21, 1990. If you would like additional analysis or would like the samples to be returned to you, please contact us as soon as possible.

If you need more information regarding this data, please do not hesitate to contact me at (913) 865-9434. Thank you for using PSI/Hall-Kimbrell Environmental Services.

Sincerely,

Darla J Paulsen

Darla J. Paulsen
Inorganic Division Manager

DJP/ork

Encls.

Professional Services Indu[illegible]ies, Inc.
Hall-Kimbrell Division

Remcor
90247
59303191-901130-01 & 02
December 11, 1990

CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD
	TCLP Extraction 1311				
Section 2-6	TCLP Lead	35.6	0.03	mg/L	7421
10-00-060-PL	Total Lead	4990	3	mg/kg	6010
731194	% moisture	0.08	0.1	%	160.3
Section 5-6	TCLP Lead	30.8	0.03	mg/L	7421
06-00-007-PL	Total Lead	9976	3	mg/kg	6010
731195	% moisture	0.14	0.1	%	160.3
Rem 28-BPH	TCLP Lead	9.88	0.03	mg/L	7421
731196	Total Lead	654	3	mg/kg	6010
	% moisture	0.19	0.1	%	160.3
Rem 28-18A	TCLP Lead	< 0.03	0.03	mg/L	7421
731197	Total Lead	1452	3	mg/kg	6010
	% moisture	0.19	0.1	%	160.3
Rem 28-18B	TCLP Lead	2.87	0.03	mg/L	7421
731198	Total Lead	585	3	mg/kg	6010
	% moisture	0.26	0.1	%	160.3
Rem 28-18C	TCLP Lead	< 0.03	0.03	mg/L	7421
731199	Total Lead	644	3	mg/kg	6010
	% moisture	0.2	0.1	%	160.3
Rem 28-14A	TCLP Lead	< 0.03	0.03	mg/L	7421
731200	Total Lead	3123	3	mg/kg	6010
	% moisture	0.18	0.1	%	160.3
Rem 28-14B	TCLP Lead	< 0.03	0.03	mg/L	7421
731201	Total Lead	332	3	mg/kg	6010
	% moisture	0.2	0.1	%	160.3
Rem 28-14C	TCLP Lead	0.8	0.03	mg/L	7421
731202	Total Lead	394	3	mg/kg	6010
	% moisture	0.28	0.1	%	160.3

CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD
Rem 28-SO	TCLP Lead	6.37	0.03	mg/L	7421
731203	Total Lead	331	3	mg/kg	6010
	% moisture	0.17	0.1	%	160.3
Rem 28-SWL	TCLP Lead	2.26	0.03	mg/L	7421
731204	Total Lead	320	3	mg/kg	6010
	% moisture	0.24	0.1	%	160.3
Rem 28-WS	TCLP Lead	1.47	0.03	mg/L	7421
731205	Total Lead	506	3	mg/kg	6010
	% moisture	0.19	0.1	%	160.3
Rem 29-PHO5B	TCLP Lead	2.31	0.03	mg/L	7421
731206	Total Lead	3477	3	mg/kg	6010
	% moisture	0.16	0.1	%	160.3
Rem 29-PHO5C	TCLP Lead	14.6	0.03	mg/L	7421
731207	Total Lead	5866	3	mg/kg	6010
	% moisture	0.23	0.1	%	160.3
Rem 29-PHO5D	TCLP Lead	0.45	0.03	mg/L	7421
731208	Total Lead	2822	3	mg/kg	6010
	% moisture	0.23	0.1	%	160.3
Rem 29-SIO	TCLP Lead	0.95	0.03	mg/L	7421
731209	Total Lead	4349	3	mg/kg	6010
	% moisture	0.18	0.1	%	160.3
Rem 29-SI15A	TCLP Lead	0.68	0.03	mg/L	7421
731210	Total Lead	2793	3	mg/kg	6010
	% moisture	0.24	0.1	%	160.3
Rem 29-SI15B	TCLP Lead	0.47	0.03	mg/L	7421
731211	Total Lead	1265	3	mg/kg	6010
	% moisture	0.15	0.1	%	160.3
Rem 29-SI15C	TCLP Lead	3.93	0.03	mg/L	7421
731212	Total Lead	3079	3	mg/kg	6010
	% moisture	0.23	0.1	%	160.3
Rem 29-SI15D	TCLP Lead	0.28	0.03	mg/L	7421
731213	Total Lead	3066	3	mg/kg	6010
	% moisture	0.17	0.1	%	160.3

CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD
Rem 29-SI10A	TCLP Lead	7.02	0.03	mg/L	7421
731214	Total Lead	5662	3	mg/kg	6010
	% moisture	0.22	0.1	%	160.3
Rem 29-SI10B	TCLP Lead	1.38	0.03	mg/L	7421
731215	Total Lead	7024	3	mg/kg	6010
	% moisture	0.22	0.1	%	160.3
Rem 29-PHO	TCLP Lead	22.8	0.03	mg/L	7421
731216	Total Lead	5131	3	mg/kg	6010
	% moisture	0.2	0.1	%	160.3
Rem 29-PH15A	TCLP Lead	0.57	0.03	mg/L	7421
731217	Total Lead	2371	3	mg/kg	6010
	% moisture	0.26	0.1	%	160.3
Rem 29-PH15B	TCLP Lead	< 0.03	0.03	mg/L	7421
731218	Total Lead	1330	3	mg/kg	6010
	% moisture	0.13	0.1	%	160.3
Rem [illegible]-PH15C	TCLP Lead	20.2	0.03	mg/L	7421
7312[illegible]	Total Lead	3411	3	mg/kg	6010
	% moisture	0.26	0.1	%	160.3
Rem 29-PH15D	TCLP Lead	0.12	0.03	mg/L	7421
731220	Total Lead	2294	3	mg/kg	6010
	% moisture	0.19	0.1	%	160.3
Rem 29-PH10A	TCLP Lead	0.07	0.03	mg/L	7421
731221	Total Lead	939	3	mg/kg	6010
	% moisture	0.22	0.1	%	160.3
Rem 29-PH10B	TCLP Lead	< 0.03	0.03	mg/L	7421
731222	Total Lead	1932	3	mg/kg	6010
	% moisture	0.22	0.1	%	160.3
Rem [illegible]0C	TCLP Lead	0.17	0.03	mg/L	7421
73122[illegible]	Total Lead	3583	3	mg/kg	6010
	% moisture	0.21	0.1	%	160.3
Rem 29-PH10D	TCLP Lead	0.32	0.03	mg/L	7421
731224	Total Lead	2332	3	mg/kg	6010
	% moisture	0.18	0.1	%	160.3

Professional Services Industries, Inc.
Hall-Kimbrell Division

Remcor
90247
59303191-901130-01 & 02
December 11, 1990

CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD
	TCLP Extraction 1311				
Section 2-6	TCLP Lead	35.6	0.03	mg/L	7421
10-00-060-PL	Total Lead	4990	3	mg/kg	6010
731194	% moisture	0.08	0.1	%	160.3
Section 5-6	TCLP Lead	30.8	0.03	mg/L	7421
06-00-007-PL	Total Lead	9976	3	mg/kg	6010
731195	% moisture	0.14	0.1	%	160.3
Rem 28-BPH	TCLP Lead	9.68	0.03	mg/L	7421
731196	Total Lead	654	3	mg/kg	6010
	% moisture	0.19	0.1	%	160.3
Rem 28-18A	TCLP Lead	< 0.03	0.03	mg/L	7421
731197	Total Lead	1452	3	mg/kg	6010
	% moisture	0.19	0.1	%	160.3
Rem 28-18B	TCLP Lead	2.87	0.03	mg/L	7421
731198	Total Lead	585	3	mg/kg	6010
	% moisture	0.26	0.1	%	160.3
Rem 28-18C	TCLP Lead	< 0.03	0.03	mg/L	7421
731199	Total Lead	644	3	mg/kg	6010
	% moisture	0.2	0.1	%	160.3
Rem 28-14A	TCLP Lead	< 0.03	0.03	mg/L	7421
731200	Total Lead	3123	3	mg/kg	6010
	% moisture	0.18	0.1	%	160.3
Rem 28-14B	TCLP Lead	< 0.03	0.03	mg/L	7421
731201	Total Lead	332	3	mg/kg	6010
	% moisture	0.2	0.1	%	160.3
Rem 28-14C	TCLP Lead	0.8	0.03	mg/L	7421
731202	Total Lead	394	3	mg/kg	6010
	% moisture	0.28	0.1	%	160.3

CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD
Rem 28-SO 731203	TCLP Lead	5.37	0.03	mg/L	7421
	Total Lead	331	3	mg/kg	6010
	% moisture	0.17	0.1	%	160.3
Rem 28-SWL 731204	TCLP Lead	2.26	0.03	mg/L	7421
	Total Lead	320	3	mg/kg	6010
	% moisture	0.24	0.1	%	160.3
Rem 28-WS 731205	TCLP Lead	1.47	0.03	mg/L	7421
	Total Lead	506	3	mg/kg	6010
	% moisture	0.19	0.1	%	160.3
Rem 29-PHO5B 731206	TCLP Lead	2.31	0.03	mg/L	7421
	Total Lead	3477	3	mg/kg	6010
	% moisture	0.16	0.1	%	160.3
Rem 29-PHO5C 731207	TCLP Lead	14.6	0.03	mg/L	7421
	Total Lead	5855	3	mg/kg	6010
	% moisture	0.23	0.1	%	160.3
Rem 29-PHO5D 731208	TCLP Lead	0.45	0.03	mg/L	7421
	Total Lead	2822	3	mg/kg	6010
	% moisture	0.23	0.1	%	160.3
Rem 29-SIO 731209	TCLP Lead	0.95	0.03	mg/L	7421
	Total Lead	4349	3	mg/kg	6010
	% moisture	0.16	0.1	%	160.3
Rem 29-SI15A 731210	TCLP Lead	0.68	0.03	mg/L	7421
	Total Lead	2793	3	mg/kg	6010
	% moisture	0.24	0.1	%	160.3
Rem 29-SI15B 731211	TCLP Lead	0.47	0.03	mg/L	7421
	Total Lead	1265	3	mg/kg	6010
	% moisture	0.15	0.1	%	160.3
Rem 29-SI15C 731212	TCLP Lead	3.93	0.03	mg/L	7421
	Total Lead	3079	3	mg/kg	6010
	% moisture	0.23	0.1	%	160.3
Rem 29-SI15D 731213	TCLP Lead	0.28	0.03	mg/L	7421
	Total Lead	3066	3	mg/kg	6010
	% moisture	0.17	0.1	%	160.3

CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD
Rem 29-SI10A	TCLP Lead	7.02	0.03	mg/L	7421
731214	Total Lead	5662	3	mg/kg	6010
	% moisture	0.22	0.1	%	160.3
Rem 29-SI10B	TCLP Lead	1.38	0.03	mg/L	7421
731215	Total Lead	7024	3	mg/kg	6010
	% moisture	0.22	0.1	%	160.3
Rem 29-PHO	TCLP Lead	22.8	0.03	mg/L	7421
731216	Total Lead	5131	3	mg/kg	6010
	% moisture	0.2	0.1	%	160.3
Rem 29-PH15A	TCLP Lead	0.57	0.03	mg/L	7421
731217	Total Lead	2371	3	mg/kg	6010
	% moisture	0.28	0.1	%	160.3
Rem 29-PH15B	TCLP Lead	< 0.03	0.03	mg/L	7421
731218	Total Lead	1330	3	mg/kg	6010
	% moisture	0.13	0.1	%	160.3
Rem 29-PH15C	TCLP Lead	20.2	0.03	mg/L	7421
731219	Total Lead	3411	3	mg/kg	6010
	% moisture	0.26	0.1	%	160.3
Rem 29-PH15D	TCLP Lead	0.12	0.03	mg/L	7421
731220	Total Lead	2294	3	mg/kg	6010
	% moisture	0.19	0.1	%	160.3
Rem 29-PH10A	TCLP Lead	0.07	0.03	mg/L	7421
731221	Total Lead	939	3	mg/kg	6010
	% moisture	0.22	0.1	%	160.3
Rem 29-PH10B	TCLP Lead	< 0.03	0.03	mg/L	7421
731222	Total Lead	1932	3	mg/kg	6010
	% moisture	0.22	0.1	%	160.3
Rem 29-PH10C	TCLP Lead	0.17	0.03	mg/L	7421
731223	Total Lead	3583	3	mg/kg	6010
	% moisture	0.21	0.1	%	160.3
Rem 29-PH10D	TCLP Lead	0.32	0.03	mg/L	7421
731224	Total Lead	2332	3	mg/kg	6010
	% moisture	0.18	0.1	%	160.3

CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD
Rem 29-PH05A	TCLP Lead	0.65	0.03	mg/L	7421
731225	Total Lead	1726	3	mg/kg	6010
	% moisture	0.08	0.1	%	160.3
Rem 29-SI10C	TCLP Lead	8.46	0.03	mg/L	7421
731226	Total Lead	3760	3	mg/kg	6010
	% moisture	0.26	0.1	%	160.3
Rem 29-SI10D	TCLP Lead	0.29	0.03	mg/L	7421
731227	Total Lead	2031	3	mg/kg	6010
	% moisture	0.22	0.1	%	160.3
Rem 29-SI05A	TCLP Lead	28.2	0.03	mg/L	7421
731228	Total Lead	2969	3	mg/kg	6010
	% moisture	0.22	0.1	%	160.3
Rem 29-SI05B	TCLP Lead	19.8	0.03	mg/L	7421
731229	Total Lead	2690	3	mg/kg	6010
	% moisture	0.16	0.1	%	160.3
Rem 29-SI05C	TCLP Lead	3.37	0.03	mg/L	7421
731230	Total Lead	2104	3	mg/kg	6010
	% moisture	0.2	0.1	%	160.3
Rem 29-SIO5D	TCLP Lead	< 0.03	0.03	mg/L	7421
731231	Total Lead	2896	3	mg/kg	6010
	% moisture	0.21	0.1	%	160.3
Rem 29-SOPLO	TCLP Lead	2.67	0.03	mg/L	7421
731232	Total Lead	791	3	mg/kg	6010
	% moisture	0.21	0.1	%	160.3
Rem 29-SOPLA	TCLP Lead	2.84	0.03	mg/L	7421
731233	Total Lead	2834	3	mg/kg	6010
	% moisture	0.14	0.1	%	160.3
Rem 29-SOPLB	TCLP Lead	< 0.03	0.03	mg/L	7421
731234	Total Lead	13850	3	mg/kg	6010
	% moisture	0.29	0.1	%	160.3
Rem 29-SOPLC	TCLP Lead	0.05	0.03	mg/L	7421
731235	Total Lead	4036	3	mg/kg	6010
	% moisture	0.3	0.1	%	160.3

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON
A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

December 12, 1990

REMCOR
Attention: Mr. John S. Evan

Job No.: 8602-90-0344
KCTL No.: C-1179
Reference: Two soil samples received 12-07-90
REMCOR Project No.: 90247
Chain of Custody #: 1849

Analysis: TCLP lead by SW846-1311
Total lead by SW846-3050

SAMPLE ID	PARAMETER	DET. LIMIT	RESULT
10-00-064-PL	Total Lead	50 mg/Kg	11300 mg/Kg
	TCLP Lead	0.05 mg/L	33.3 mg/L
10-00-065-PL	Total Lead	50 mg/Kg	3150 mg/Kg
	TCLP Lead	0.05 mg/L	13.1 mg/L

10-04-001-PL	Total Lead	5 mg/Kg	903 mg/Kg

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATOR
1669 JEFFERSON
A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

December 12, 1990

REMCOR
Attention: Mr. John S. Evan

Job No.: 8602-90-0344
KCTL No.: C-1182
Reference: Seven soil samples received 12-09-90
REMCOR Project No.: 90247
Chain of Custody #: 1852

Analysis: Total Lead by SW846-3050
TCLP Lead by SW846-1311

SAMPLE ID	PARAMETER	DET. LIMIT	RESULT
04-06-003-SC	Total Lead	5 mg/Kg	129 mg/Kg
04-06-004-SC	Total Lead	5 mg/Kg	30 mg/Kg
04-07-005-SC	Total Lead	5 mg/Kg	42 mg/Kg
04-07-006-SC	Total Lead	5 mg/Kg	29 mg/Kg
05-07-003-SC	Total Lead	5 mg/Kg	30 mg/Kg
05-07-004-SC	Total Lead	5 mg/Kg	15 mg/Kg
10-00-066-PL	Total Lead	5 mg/Kg	25800 mg/Kg
	TCLP Lead	0.05 mg/L	117 mg/L

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

December 15, 1990

REMCOR
Attention: Mr. John S. Evan

Job No.: 8602-90-0344
KCTL No.: C-1195
Reference: Seventeen soil samples received 12-13-90
REMCOR Project No.: 90247
Chain of Custody #: 1855

Analysis: Total Lead by SW846-3050
TCLP Lead by SW846-1311

SAMPLE ID	PARAMETER	DET. LIMIT	RESULT
03-07-044-BT	Total Lead	5 mg/Kg	23 mg/Kg
03-07-045-BT	Total Lead	5 mg/Kg	19 mg/Kg
04-07-046-BT	Total Lead	5 mg/Kg	80 mg/Kg
04-07-047-BT	Total Lead	5 mg/Kg	24 mg/Kg
05-07-048-BT	Total Lead	5 mg/Kg	28 mg/Kg
05-07-049-BT	Total Lead	5 mg/Kg	24 mg/Kg
10-04-050-BT	Total Lead	5 mg/Kg	1238 mg/Kg
10-04-051-BT	Total Lead	5 mg/Kg	549 mg/Kg
10-06-052-BT	Total Lead	5 mg/Kg	990 mg/Kg
10-06-053-BT	Total Lead	5 mg/Kg	481 mg/Kg
09-08-054-BT	Total Lead	5 mg/Kg	1524 mg/Kg
09-08-055-BT	Total Lead	5 mg/Kg	214 mg/Kg
09-08-056-BT	Total Lead	5 mg/Kg	1462 mg/Kg
09-08-057-BT	Total Lead	5 mg/Kg	1194 mg/Kg
12-12-~~124~~-PLE	Total Lead	5 mg/Kg	32083 mg/Kg
126	TCLP Lead	0.05 mg/L	54.9 mg/L
12-12-~~125~~-PLC	Total Lead	5 mg/Kg	4525 mg/Kg
127	TCLP Lead	0.05 mg/L	6.5 mg/L
12-12-~~126~~-PLF	Total Lead	5 mg/Kg	5670 mg/Kg
128	TCLP Lead	0.05 mg/L	3.4 mg/L

Hall-Kim
or
Wilson

REMCOR
59303191-9001214-01
December 18, 1990
Porject #90247 Union Wire Rope

HKES#	CLIENT#	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD
731536	12-12-~~127~~-PLF 129	Total Lead	1860	3	mg/kg	6010
		TCLP Lead	0.10	0.03	mg/L	1311

General Testing Laboratories, Inc.
Engineering — Chemical Consultants
1517 WALNUT STREET / KANSAS CITY, MISSOURI 64108 / 816-471-1205

REMCOR INC
ATTN JOHN EVAN
701 ALPHA DRIVE
PITTSBURGH PA 15238

REPORT NO.27102

NOVEMBER 28,1990

Sample of Soil, Project #90247, Union Wire Rope, GTL received in lab 11-20-90

TCLP: FEDERAL REGISTER/VOL. 55, NO: 61/THURSDAY, MARCH 29, 1990

Lead ..... 13.1 mg/liter

ADDITIONAL ANALYSIS:

Total Lead ..... 1, 115 ppm

(1) 11k-G

GENERAL TESTING LABORATORIES, INC.

By Paul Myers

Reports and letters of General Testing Laboratories, Inc. are to be used exclusively by the clients to whom they are addressed and may not be used for advertising without our prior written permission. Samples not destroyed by testing are stored for only 30 days unless arrangements have otherwise been made.

REMCOR
59303191-9001214-01
December 18, 1990
Porject #90247 Union Wire Rope

HKES#	CLIENT#	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD
731536	12-12-~~127~~ 129-PLF	Total Lead	1860	3	mg/kg	6010
		TCLP Lead	0.10	0.03	mg/L	1311

From the office of

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON
P. O. BOX 8586
A.C. 913—648-2303
KANSAS CITY, MISSOURI 64114

December 20, 1990

REMCOR
Attention: Mr. John S. Evan

Job No.: 8602-90-0344
KCTL No.: C-1209
Reference: Soil sample received at KCTL on 12-19-90
REMCOR Project No.: 90247
Chain of Custody #: ~~1855~~ → 1857

Analysis: Total Lead by SW846-3050
TCLP Lead by SW846-1311

SAMPLE ID	PARAMETER	DET. LIMIT	RESULT
12-19-~~128~~-PLF	Total Lead	5 mg/Kg	6090 mg/Kg
130	TCLP Lead	0.05 mg/L	5 mg/L

Professional Service Industries, Inc.
Hall-Kimbrell Division

Received
[illegible]

December 21, 1990

John Evan
Remoor Inc.
701 Alpha Drive, PO Box 38310
Pittsburgh, PA 15238

Re: Analytical Result
#59303191-901220-01

Dear Mr. Evan:

Enclosed is the analytical result for the one sample received on December 20, 1990. The sample was analyzed for total lead and TCLP lead. No analytical problems were encountered with the analysis of the sample and all associated QC samples were within criteria. Analytical results are summarized on the following page.

The sample is scheduled for disposal on December 31, 1990. If you would like additional analysis or would like the samples to be returned to you, please contact us as soon as possible.

If you need any more information regarding this data, please do not hesitate to contact me at (913) 865-9434. Thank you for using PSI/Hall-Kimbrell Environmental Services.

Sincerely,

Darla J Paulsen

Darla J. Paulsen
Inorganic Division Manager

DJP/crk

Encls.

Professional Services Industries, Inc.
Hall-Kimbrell Division

Remcor
90247 Union Wire Rope
59303191-901220-01
December 21, 1990

CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD
12-19-129-PLF	Total Lead	2147.	3	mg/kg	SW 846 1311
731621	TCLP Lead	3.08	0.03	mg/L	6010

From the office of

KANSAS CITY TESTING LABORATORY

1669 JEFFERSON
P. O. BOX 8586

A.C. 913—648-2303
KANSAS CITY, MISSOURI 64114

John S. Evan
Remcor

1-7-91

Dear Mr. Evan

Three soil samples were received for total lead and TCLP lead analysis (KCTL Job No. 8020-91-2004). The results are listed in the table below. The detection limit for TCLP lead was 2 mg/L, and the detection limit for the total lead was 0.05 mg/kg.

Sample	TCLP lead	Total lead
91-04-~~131~~-PLE -133	0.1 mg/L	50 mg/kg
91-04-~~132~~-PLE - 134	0.1 mg/L	10 mg/kg
91-04-~~130~~-PLE 132	9.2 mg/L	3465 mg/kg

Sincerely,

Sam Ferro

Sam Ferro
Laboratory Manager

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

April 23, 1991

Harry L. Owens
Remcor

Dear Mr. Owens:

Four soil samples were analyzed for TCLP Pb, and Total Pb. The samples were analyzed as KCTL Job 8020-91-2004; C1564. The detection limit was 1 mg/L for TCLP Pb analysis. The detection limits for total Pb was 40 mg/Kg. Remcor Chain of Custody No. 2461.

Sample	TCLP Lead	Total Lead
04-21-213-PLC	1.6 mg/L	1669 mg/Kg
04-21-214-PLC	1.5 mg/L	2104 mg/Kg
04-21-215-PLC	3.7 mg/L	1355 mg/Kg
04-22-224-PLC	1.5 mg/L	1029 mg/Kg

The TCLP results are final.

Sincerely,

Sam Ferro

Sam Ferro
Laboratory Manager

pace INCORPORATED
THE ASSURANCE OF QUALITY

REPORT OF LABORATORY ANALYSIS

April 23, 1991

Mr. William Beck
Remcor, Inc.
P.O. Box 38310
701 Alpha Drive
Pittsburgh, PA 15238

RE: PACE Project No. 510422.504
Union Wire Rope

Dear Mr. Beck:

Enclosed is the report of laboratory analyses for samples received April 22, 1991.

If you have any questions concerning this report, please feel free to contact us.

Sincerely,

Christina Eshuff for

Duane R. Boline, Ph.D.
Director, Sampling and Analytical Services

Enclosures

9608 Loiret Boulevard
Lenexa, KS 66219
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CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD
Rem 29-PH05A	TCLP Lead	0.65	0.03	mg/L	7421
731225	Total Lead	1726	3	mg/kg	6010
	% moisture	0.08	0.1	%	160.3
Rem 29-SI10C	TCLP Lead	8.46	0.03	mg/L	7421
731226	Total Lead	3760	3	mg/kg	6010
	% moisture	0.26	0.1	%	160.3
Rem 29-SI10D	TCLP Lead	0.29	0.03	mg/L	7421
731227	Total Lead	2031	3	mg/kg	6010
	% moisture	0.22	0.1	%	160.3
Rem 29-SI05A	TCLP Lead	28.2	0.03	mg/L	7421
731228	Total Lead	2969	3	mg/kg	6010
	% moisture	0.22	0.1	%	160.3
Rem 29-SI05B	TCLP Lead	19.8	0.03	mg/L	7421
731229	Total Lead	2690	3	mg/kg	6010
	% moisture	0.16	0.1	%	160.3
Rem 29-SI05C	TCLP Lead	3.37	0.03	mg/L	7421
731230	Total Lead	2104	3	mg/kg	6010
	% moisture	0.2	0.1	%	160.3
Rem 29-SIO5D	TCLP Lead	< 0.03	0.03	mg/L	7421
731231	Total Lead	2896	3	mg/kg	6010
	% moisture	0.21	0.1	%	160.3
Rem 29-S0PLO	TCLP Lead	2.67	0.03	mg/L	7421
731232	Total Lead	791	3	mg/kg	6010
	% moisture	0.21	0.1	%	160.3
Rem 29-S0PLA	TCLP Lead	2.84	0.03	mg/L	7421
731233	Total Lead	2834	3	mg/kg	6010
	% moisture	0.14	0.1	%	160.3
Rem 29-S0PLB	TCLP Lead	< 0.03	0.03	mg/L	7421
731234	Total Lead	13850	3	mg/kg	6010
	% moisture	0.29	0.1	%	160.3
Rem 29-S0PLC	TCLP Lead	0.05	0.03	mg/L	7421
731235	Total Lead	4036	3	mg/kg	6010
	% moisture	0.3	0.1	%	160.3

Professional Service Industries, Inc.
Hall-Kimbrell Division

December 11, 1990

John Evan
Remcor Inc.
701 Alpha Drive, PO Box 38310
Pittsburgh, PA 15238

Re: Analytical Results
#59303191-901130-01

Dear Mr. Evan:

Enclosed are the analytical results for the forty-two samples received on November 30, 1990. The samples were analyzed for % moisture, total lead and TCLP lead. No analytical problems were encountered with the analysis of the samples and all associated QC samples were within criteria. Analytical results are summarized on the following pages.

Samples are scheduled for disposal on December 21, 1990. If you would like additional analysis or would like the samples to be returned to you, please contact us as soon as possible.

If you need more information regarding this data, please do not hesitate to contact me at (913) 865-9434. Thank you for using PSI/Hall-Kimbrell Environmental Services.

Sincerely,

Darla J Paulsen

Darla J. Paulsen
Inorganic Division Manager

DJP/ork

Encls.

4840 West 15th Street • Lawrence, KS 66049 • Phone: 913/749-2381

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON
A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

April 17, 1991

Dave P. Cercone
Remcor

Dear Mr. Cercone:

One soil sample was analyzed for TCLP Pb, and Total Pb. The sample was analyzed as KCTL Job 8020-91-2004; C1542. The detection limit was 1 mg/L for TCLP Pb analysis. The detection limit for total Pb was 40 mg/Kg. Remcor Chain of Custody No. 2458.

Sample	TCLP Lead	Total Lead
04-09-203-PLC	3.2 mg/L	132 mg/Kg

Sincerely,

Sam Ferro

Sam Ferro
Laboratory Manager

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

April 18, 1991

Harry L. Owens
Remcor

Dear Mr. Owens:

One soil sample was analyzed for TCLP Pb, and Total Pb. The samples were analyzed as KCTL Job 8020-91-2004; C1549. The detection limit was 10 mg/L for TCLP Pb analysis. The detection limits for total Pb was 40 mg/Kg. Remcor Chain of Custody No. 2459.

Two additional samples, which had been previously analyzed by KCTL, were reanalyzed for TCLP lead. This was done at the request of Harry Owens of Remcor. The sample that remained in the original sample jars were retaken through the entire TCLP process, from extraction through spectroscopic analysis. The results for both of these samples are lower then the original results, but still well above the 5 mg/L regulatory limit. The discrepancies between these results and previous results is probably due to sample inhomogeneity.

Sample	TCLP Lead	Total Lead
04-09-205-PLC *	25 mg/L	4053 mg/Kg

	TCLP Pb (4-17-91)	Previous TCLP Result
04-08-202-PLC *	15 mg/L	24 mg/L
03-09-198-PLC *	21 mg/L	29 mg/L

Sincerely,

Sam Ferro

Sam Ferro
Laboratory Manager

Professional Service Industries, Inc.
Lawrence, Kansas

Remcor
90247
59303191-10334
April 18, 1991

CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD
04-09-204-PLC	TCLP Lead	1.35	0.03	mg/L	1311
734484	Total Lead	4033	3	mg/kg	6010

Professional Service Industries, Inc.
Lawrence, Kansas

Remcor
90247
59303191-10348
April 19, 1991

CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD
04-09-206-PLC	TCLP Lead	3.97	0.03	mg/L	1311
734517	Total Lead	3871	3	mg/kg	6010

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

April 20, 1991

Harry L. Owens
Remcor

Dear Mr. Owens:

Two soil samples were analyzed for TCLP Pb, and Total Pb. The samples were analyzed as KCTL Job 8020-91-2004; C1556. The detection limit was 1 mg/L for TCLP Pb analysis. The detection limits for total Pb was 40 mg/Kg. Remcor Chain of Custody No. 2595.

Sample	TCLP Lead		Total Lead	
04-09-209-PLC	57.0	mg/L	16485	mg/Kg
04-09-210-PLC	53.1	mg/L	9870	mg/Kg

Sincerely,

El Herrera for

Sam Ferro
Laboratory Manager

Professional Service Industries, Inc.
Lawrence, Kansas

Remcor
90247
59303191-10356
April 22, 1991

CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD
04-09-211-PLC	TCLP Lead	2.15	0.03	mg/L	1311
734549	Total Lead	3101	3	mg/kg	6010
04-09-212-PLC	TCLP Lead	1.47	0.03	mg/L	1311
734550	Total Lead	6069	3	mg/kg	3010

REPORT OF LABORATORY ANALYSIS

Mr. William Beck
Page 2

April 19, 1991
PACE Project Number: 510418511

Union Wire Rope

Parameter	Units	MDL	60 0043558 04/18/91 04/18/91 04-09-208-PLC Leachate (1)	DATE ANALYZED
PACE Sample Number:			60 0043558	
Date Collected:			04/18/91	
Date Received:			04/18/91	
INORGANIC ANALYSIS				
INDIVIDUAL PARAMETERS				
Lead, Leachate	mg/L	0.25	3.76	04/19/91

Parameter	Units	MDL	60 0043523 04/18/91 04/18/91 04-09-207-PLC	DATE ANALYZED
PACE Sample Number:			60 0043523	
Date Collected:			04/18/91	
Date Received:			04/18/91	
INORGANIC ANALYSIS				
INDIVIDUAL PARAMETERS				
Lead	mg/kg	2.5	15000	04/19/91
Totals, Extract Date-Metals (Soils+)			04/19/91	

Parameter	Units	MDL	60 0043540 04/18/91 04/18/91 04-09-208-PLC	DATE ANALYZED
PACE Sample Number:			60 0043540	
Date Collected:			04/18/91	
Date Received:			04/18/91	
INORGANIC ANALYSIS				
INDIVIDUAL PARAMETERS				
Lead	mg/kg	2.5	6040	04/19/91
Totals, Extract Date-Metals (Soils+)			04/19/91	

(1) All analysis performed on Toxic Characteristic Leachate.
MDL Method Detection Limit

Union Wire Rope

The data contained in this report were obtained using EPA or other approved methodologies. These data have been reviewed and are approved for release.

Brian J. Smith
Manager, Inorganic Chemistry

9608 Loiret Boulevard
Lenexa, KS 66219
TEL: 913-599-5665
FAX: 913-599-1759

pacc INCORPORATED
THE ASSURANCE OF QUALITY

REPORT OF LABORATORY ANALYSIS

April 19, 1991

Mr. William Beck
Remcor, Inc.
P.O. Box 38310
701 Alpha Drive
Pittsburgh, PA 15238

RE: PACE Project No. 510418.511
Union Wire Rope

Dear Mr. Beck:

Enclosed is the report of laboratory analyses for samples received April 18, 1991.

If you have any questions concerning this report, please feel free to contact us.

Sincerely,

D.R. Boline

Duane R. Boline, Ph.D.
Director, Sampling and Analytical Services

Enclosures

9608 Loiret Boulevard
Lenexa, KS 66219
TEL: 913-599-5665
FAX: 913-599-1759

pace INCORPORATED
THE ASSURANCE OF QUALITY

REPORT OF LABORATORY ANALYSIS

Remcor, Inc.
P.O. Box 38310
701 Alpha Drive
Pittsburgh, PA 15238

April 19, 1991
PACE Project Number: 5104i 1

Attn: Mr. William Beck

Union Wire Rope

PACE Sample Number:			60 0043531	
Date Collected:			04/18/91	
Date Received:			04/18/91	
			04-09-207-PLC	
Parameter	Units	MDL	Leachate (1)	DATE ANALYZED
INORGANIC ANALYSIS				
INDIVIDUAL PARAMETERS				
Lead, Leachate	mg/L	0.25	0.600	04/19/91

(1) All analysis performed on Toxic Characteristic Leachate.
MDL Method Detection Limit

9608 Loiret Boulevard
Lenexa, KS 66219
TEL: 913-599-5665
FAX: 913-599-1759

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CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

April 16, 1991

Dave P. Cercone
Remcor

Dear Mr. Cercone:

Two soil sample were analyzed for TCLP Pb, and Total Pb. The samples were analyzed as KCTL Job 8020-91-2004; C1536 & C1538. The detection limit was 1 mg/L for TCLP Pb analysis. The detection limits for total Pb was 40 mg/Kg. Remcor Chain of Custody Nos. 2455.

Sample	TCLP Lead	Total Lead
04-08-202-PLC *	24 mg/L	4700 mg/Kg

Sincerely,

Sam Ferro
Laboratory Manager

Professional Service Industries, Inc.
Lawrence, Kansas

Remcor
90247
59303191-10323
April 16, 1991

CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD	
03-09-185-BT	TCLP Lead	< 0.03	0.03	mg/L	1311	GRID 3B
734413	Total Lead	17	3	mg/kg	6010	
03-09-197-PLC *	TCLP Lead	0.61	0.03	mg/L	1311	
734414	Total Lead	2831	3	mg/kg	6010	
04-08-200-PLC *	TCLP Lead	0.37	0.03	mg/L	1311	
734415	Total Lead	1324	3	mg/kg	6010	
04-08-201-PLC *	TCLP Lead	1.12	0.03	mg/L	1311	
734416	Total Lead	4101	3	mg/kg	6010	
03-09-186-BT	Total Lead	14	3	mg/kg	6010	GRID 3B
734417						
06-12-187-BT	Total Lead	23	3	mg/kg	6010	GRID 6F
734418						
06-12-188-BT	Total Lead	27	3	mg/kg	6010	GRID 6F
734419						
05-12-189-BT	Total Lead	90	3	mg/kg	6010	GRID 5F
734420						
05-12-190-BT	Total Lead	26	3	mg/kg	6010	GRID 5F
734421						

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

April 15, 1991

Dave P. Cercone
Remcor

Dear Mr. Cercone:

Two soil sample were analyzed for TCLP Pb, and Total Pb. The samples were analyzed as KCTL Job 8020-91-2004; C1536 & C1538. The detection limit was 1 mg/L for TCLP Pb analysis. The detection limits for total Pb was 40 mg/Kg. Remcor Chain of Custody Nos. 2453 and 2454.

Sample	TCLP Lead	Total Lead
03-09-198-PLC *	29 mg/L	4978 mg/Kg
04-08-199-PLC *	1 mg/L	126 mg/Kg

Sincerely,

Sam Ferro

Sam Ferro
Laboratory Manager

Professional Service Industries, Inc.
Lawrence, Kansas

Remcor
90247
59303191-10320
April 15, 1991

CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD
12-21-183-BT	TCLP Lead	< 0.03	0.03	mg/kg	6010
734392	Total Lead	336	3	mg/kg	6010
3-09-184-BT	TCLP Lead	< 0.03	0.03	mg/kg	6010
734393	Total Lead	16	3	mg/kg	6010

Professional Service Industries, Inc.
Lawrence, Kansas

Remcor
90247
59303191-10314
April 12, 1991

CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD	
03-08-182-BT 734328	Total Lead	13	3	mg/kg	6010	3A
03-08-181-BT 734329	Total Lead	65	3	mg/kg	6010	3A
04-11-204-PLC 734330	Total Lead	531	6	mg/kg	6010	
	TCLP Lead	< 0.03	0.03	mg/L	1311	

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

April 12, 1991

Dave P. Cercone
Remcor

Dear Mr. Cercone:

One soil sample was analyzed for TCLP Pb, and Total Pb. The sample was analyzed as KCTL Job 8020-91-2004; C1531. The detection limit was 1 mg/L for TCLP Pb analysis. The detection limits for total Pb was 40 mg/Kg. Remcor Chain of Custody No. 2448.

Sample	TCLP Lead	Total Lead
04-11-203-PLC	4,2 mg/L	1492 mg/Kg

Sincerely,

Sam Ferro
Laboratory Manager

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON
A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

April 11, 1991

Dave P. Cercone
Remcor

Dear Mr. Cercone:

One soil samples was analyzed for TCLP Pb, and Total Pb. The sample was analyzed as KCTL Job 8020-91-2004; C1527. The detection limit was 1 mg/L for TCLP Pb analysis. The detection limits for total Pb was 2 mg/Kg. Remcor Chain of Custody No. 2445.

Sample	TCLP Lead	Total Lead
04-10-199-PLC	< 1 mg/L	1144 mg/Kg

Sincerely,

Sam Ferro

Sam Ferro
Laboratory Manager

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

April 12, 1991

Dave P. Cercone
Remcor

Dear Mr. Cercone:

One soil samples was analyzed for TCLP Pb, and Total Pb. The sample was analyzed as KCTL Job 8020-91-2004; C1528. The detection limit was 1 mg/L for TCLP Pb analysis. The detection limits for total Pb was 2 mg/Kg. Remcor Chain of Custody No. 2446.

Sample	TCLP Lead	Total Lead
04-11-201-PLC	1.3 mg/L	2450 mg/Kg

Sincerely,

Sam Ferro

Sam Ferro
Laboratory Manager

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

April 10, 1991

Dave P. Cercone
Remcor

Dear Mr. Cercone:

One soil samples was analyzed for TCLP Pb, and Total Pb. The sample was analyzed as KCTL Job 8020-91-2004; C1524. The detection limit was 2 mg/L for TCLP Pb analysis. The detection limits for total Pb was 40 mg/Kg. Remcor Chain of Custody No. 2443.

Sample	TCLP Lead	Total Lead
04-09-197-PLC	1.3 mg/L	522 mg/Kg

Sincerely,

Sam Ferro

Sam Ferro
Laboratory Manager

Professional Service Industries, Inc.
Lawrence, Kansas

Remcor
90247
59303191-10301
April 11, 1991

CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD	
02-07-175-BT 734230	Total Lead	14	3	mg/kg	6010	2A
02-07-176-BT 734231	Total Lead	15	3	mg/kg	6010	2A
02-08-177-BT 734232	Total Lead	12	3	mg/kg	6010	2B
02-08-178-BT 734233	Total Lead	17	3	mg/kg	6010	2B
02-08-179-BT 734234	Total Lead	13	3	mg/kg	6010	2C
02-08-180-BT 734235	Total Lead	12	3	mg/kg	6010	2C
04-09-198-PLE 734236	TCLP Lead	< 0.03	0.03	mg/L	1311	
	Total Lead	384	3	mg/kg	6010	

Professional Service Industries, Inc.
Lawrence, Kansas

Remcor
90247
59303191-10283
April 9, 1991

CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD
04-06-194-PLE	TCLP Lead	0.43	0.03	mg/L	6010
734179	Total Lead	1128	3	mg/L	6010
04-06-195-PLC	TCLP Lead	0.05	0.03	mg/L	6010
734180	Total Lead	5186	3	mg/L	6010
04-07-196-PLC	TCLP Lead	0.14	0.03	mg/L	6010
734181	Total Lead	795	3	mg/L	6010

Professional Service Industries, Inc.
Lawrence, Kansas

Remcor
90247
59303191-10284
April 9, 1991

CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD	
01-02-163-BT 734182	Total Lead	19	3	mg/kg	6010	
01-02-164-BT 734183	Total Lead	10	3	mg/kg	6010	
01-02-165-BT 734184	Total Lead	17	3	mg/kg	6010	
01-02-166-BT 734185	Total Lead	27	3	mg/kg	6010	
01-03-167-BT 734186	Total Lead	16	3	mg/kg	6010	
01-03-168-BT 734187	Total Lead	32	3	mg/kg	6010	
04-01-169-BT 734188	Total Lead	11	3	mg/kg	6010	
04-01-170-BT 734189	Total Lead	14	3	mg/kg	6010	
05-01-171-BT 734190	Total Lead	912	3	mg/kg	6010	
05-01-172-BT 734191	Total Lead	91	3	mg/kg	6010	
06-01-173-BT 734192	Total Lead	42	3	mg/kg	6010	
06-01-174-BT 734193	Total Lead	397	3	mg/kg	6010	

Professional Service Industries, Inc.
Lawrence, Kansas

Remcor
90247
59303191-10269
April 5, 1991

CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD
04-04-192-PLE 734134	Total Lead	347	3	mg/kg	6010

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON
A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

April 6, 1991

Dave P. Cercone
Remcor

Dear Mr. Cercone:

One soil samples was analyzed for TCLP Pb, and Total Pb. The sample was analyzed as KCTL Job 8020-91-2004; C1512. The detection limit was 1 mg/L for TCLP Pb analysis. The detection limits for total Pb was 2 mg/Kg. Remcor Chain of Custody No. 2437.

Sample	TCLP Lead	Total Lead
04-05-193-PLE	1.4 mg/L	583 mg/Kg

Sincerely,

Sam Ferro

Sam Ferro
Laboratory Manager

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

April 4, 1991

Dave P. Cercone
Remcor

Dear Mr. Cercone:

One soil samples was analyzed for TCLP Pb, and Total Pb. The sample was analyzed as KCTL Job 8020-91-2004; C1508. The detection limit was 2 mg/L for TCLP Pb analysis. The detection limits for total Pb was 40 mg/Kg. Remcor Chain of Custody No. 2437.

Sample	TCLP Lead	Total Lead
04-03-189-PLE	28.4 mg/L	3789 mg/Kg

Sincerely,

Sam Ferro

Sam Ferro
Laboratory Manager

Professional Service Industries, Inc.
Lawrence, Kansas

Remcor
90247
59303191-10268
April 5, 1991

CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD
04-03-190-PLE 734130	Total Lead	372	3	mg/kg	6010
04-03-191-PL3 734131	Total Lead	103	3	mg/kg	6010

REMCOR

CHAIN OF CUSTODY RECORD № 2471

PROJECT NO.: 90247

PROJECT NAME: Armco - Union Wire Rope

SAMPLERS: David P. Cercone

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CON-TAINERS	Total Pb	TCLP Pb					REMARKS Hall - Kim
04-25-231-PLC	4/25	0715	Waste	Waste excavated from Grid 5C	1	✓	✓					Phone before
				Duplicate is: 04-25-230-PLC								faxing results to:
												(816) 242-3170
												24-hour turn.

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
David P. Cercone	4/26/91 8:40am				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	
		Jan Sec	4/26/91 8:40 Am		

Professional Service Industries, Inc.
Hall-Kimbrell Division

April 30, 1991

Dave Cercone
Remcor c/o Union Wire Rope Co.
2100 Manchester Trafficway
Kansas City, MO 64126

Re: Analytical Result
#59303191-10415

Dear Mr. Cercone:

Enclosed is the analytical result for the one sample received on April 26, 1991. The sample was analyzed for TCLP lead and total lead. No analytical problems were encountered with the analysis of the sample and all associated QC samples were within criteria. Analytical results are summarized on the following page.

The sample is scheduled for disposal on May 14, 1991. If you would like additional analysis or would like the sample to be returned to you, please contact us as soon as possible.

If you need any more information regarding this data, please do not hesitate to contact me at (913) 865-9434. Thank you for using Professional Service Industries, Inc.

Sincerely,

Darla J Paulsen

Darla J. Paulsen
Inorganic Division Manager

DJP/crk

Encls.

4840 West 15th Street • Lawrence, KS 66049 • Phone: 913/749-2381

From the office of

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON
P. O. BOX 8586
A.C. 913—648-2303
KANSAS CITY, MISSOURI 64114

May 1, 1991

David P. Cercone
Remcor

Dear Mr. Cercone:

One soil samples were analyzed for TCLP Pb, and Total Pb. The samples were analyzed as KCTL Job 8020-91-2004; C1590. The detection limit was 0.1 mg/L for TCLP Pb analysis. The detection limit for total Pb was 40 mg/Kg.

Sample	TCLP Lead	Total Lead
04-29-242-PLE	0.72 mg/L	1706 mg/Kg

Sincerely,

Ophelia Page for

Sam Ferro
Laboratory Manager

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON
A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

May 3, 1991

David P. Cercone
Remcor

Dear Mr. Cercone:

Three soil samples were analyzed for TCLP Pb, and Total Pb. The samples were analyzed as KCTL Job 8020-91-2004; C1592. The detection limit was 0.1 mg/L for TCLP Pb analysis. The detection limit for total Pb was 40 mg/Kg.

Sample	TCLP Lead	Total Lead*
05-01-244 PLE	1.06 mg/L	ND
05-01-246-PLE	1.39 mg/L	ND
05-01-248-PLE	1.99 mg/L	ND

* The total leads will have to be reanalyzed. An updated report will be sent upon completion of the reanalysis.

Sincerely,

Sam Ferro

Sam Ferro
Laboratory Manager

Professional Service Industries, Inc.
Hall-Kimbrell Division

April 26, 1991

Dave Cercone
Remcor c/o Union Wire Rope Co.
2100 Manchester Trafficway
Kansas City, MO 64126

Re: Analytical Result
#59303191-10391

Dear Mr. Cercone:

Enclosed is the analytical result for the one sample received on April 24, 1991. The sample was analyzed for TCLP lead and total lead. No analytical problems were encountered with the analysis of the sample and all associated QC samples were within criteria. Analytical results are summarized on the following page.

The sample is scheduled for disposal on May 10, 1991. If you would like additional analysis or would like the sample to be returned to you, please contact us as soon as possible.

If you need any more information regarding this data, please do not hesitate to contact me at (913) 865-9434. Thank you for using Professional Service Industries, Inc.

Sincerely,

Darla J Paulsen

Darla J. Paulsen
Inorganic Division Manager

DJP/crk

Encls.

4840 West 15th Street • Lawrence, KS 66049 • Phone: 913/749-2381

Professional Service Industries, Inc.
Hall-Kimbrell Division

April 26, 1991

Dave Cercone
Remcor c/o Union Wire Rope Co.
2100 Manchester Trafficway
Kansas City, MO 64126

Re: Analytical Result
#59303191-10405

Dear Mr. Cercone:

Enclosed is the analytical result for the one sample received on April 25, 1991. The sample was analyzed for TCLP lead and total lead. No analytical problems were encountered with the analysis of the sample and all associated QC samples were within criteria. Analytical results are summarized on the following page.

The sample is scheduled for disposal on May 10, 1991. If you would like additional analysis or would like the sample to be returned to you, please contact us as soon as possible.

If you need any more information regarding this data, please do not hesitate to contact me at (913) 865-9434. Thank you for using Professional Service Industries, Inc.

Sincerely,

Darla J. Paulsen
Inorganic Division Manager

DJP/crk

Encls.

4840 West 15th Street • Lawrence, KS 66049 • Phone: 913/749-2381

Professional Service Industries, Inc.
Hall-Kimbrell Division

April 23, 1991

Dave Cercone
Remcor c/o Union Wire Rope Co.
2100 Manchester Trafficway
Kansas City, MO 64126

Re: Analytical Results
#59303191-10368

Dear Mr. Cercone:

Enclosed are the analytical results for the four samples received on April 22, 1991. The samples were analyzed for TCLP lead and total lead. No analytical problems were encountered with the analysis of the samples and all associated QC samples were within criteria. Analytical results are summarized on the following page.

Samples are scheduled for disposal on May 7, 1991. If you would like additional analysis or would like the samples to be returned to you, please contact us as soon as possible.

If you need more information regarding this data, please do not hesitate to contact me at (913) 865-9434. Thank you for using Professional Service Industries, Inc.

Sincerely,

Darla J Paulsen

Darla J. Paulsen
Inorganic Division Manager

DJP/crk

Encls.

4840 West 15th Street • Lawrence, KS 66049 • Phone: 913/749-2381

Professional Service Industries, Inc.
Hall-Kimbrell Division

April 24, 1991

Dave Cercone
Remcor c/o Union Wire Rope Co.
2100 Manchester Trafficway
Kansas City, MO 64126

Re: Analytical Results
#59303191-10380

Dear Mr. Cercone:

Enclosed are the analytical results for the six samples received on April 23, 1991. The samples were analyzed for total lead. No analytical problems were encountered with the analysis of the samples and all associated QC samples were within criteria. Analytical results are summarized on the following page.

Samples are scheduled for disposal on May 8, 1991. If you would like additional analysis or would like the samples to be returned to you, please contact us as soon as possible.

If you need more information regarding this data, please do not hesitate to contact me at (913) 865-9434. Thank you for using Professional Service Industries, Inc.

Sincerely,

Darla J Paulsen

Darla J. Paulsen
Inorganic Division Manager

DJP/crk

Encls.

4840 West 15th Street • Lawrence, KS 66049 • Phone: 913/749-2381

REMCOR

By M Walsh Date 09-20-91 Subject WASTE CHARACTERIZATION Sheet No. ___ of ___
Chkd. By ___ Date ___ SAMPLES RETESTING Proj. No. 90247

STAGED PILE IN GRID 6D + 6C
Sent Duplicate samples to Hall-Kimbrel and K.C. Testing
Hall Kimbrel - 04-09-197 PLC } ORIGINAL
K.C. Testing - 04-09-198 PLC }

Hall Kimbrel Results were TCLP - 0.61 Total Lead 253
K.C Testing Results were TCLP - 21.0 Total Lead

Having one lab say it was Haz and the other lab saying it was Non-Haz. we started over using a third lab. (Pace).
We took a composit sample of the pile and split the sample three ways.

Hall Kimbrel sample # 04-09-212 PLC }
K.C. Testing sample # 04-09-210 PLC } RETEST
Pace Labs. sample # 04-09-208 PLC }

Their Results were:

Hall Kimbrel	TCLP 1.47	Total Lead 6069
K.C. Testing	TCLP 53.1	Total Lead 9870
Pace Labs	TCLP 3.76	Total Lead 6040

Professional Service Industries, Inc.
Hall-Kimbrell Division

April 22, 1991

Dave Cercone
Remcor c/o Union Wire Rope Co.
2100 Manchester Trafficway
Kansas City, MO 64126

Re: Analytical Results
#59303191-10356

Dear Mr. Cercone:

Enclosed are the analytical results for the two samples received on April 19, 1991. The samples were analyzed for TCLP lead and total lead. No analytical problems were encountered with the analysis of the samples and all associated QC samples were within criteria. Analytical results are summarized on the following page.

Samples are scheduled for disposal on May 6, 1991. If you would like additional analysis or would like the samples to be returned to you, please contact us as soon as possible.

If you need more information regarding this data, please do not hesitate to contact me at (913) 865-9434. Thank you for using Professional Service Industries, Inc.

Sincerely,

Darla J Paulsen

Darla J. Paulsen
Inorganic Division Manager

DJP/crk

Encls.

4840 West 15th Street • Lawrence, KS 66049 • Phone: 913/749-2381

Professional Service Industries, Inc.
Hall-Kimbrell Division

April 18, 1991

Dave Cercone
Remcor c/o Union Wire Rope Co.
2100 Manchester Trafficway
Kansas City, MO 64126

Re: Analytical Result
#59303191-10334

Dear Mr. Cercone:

Enclosed is the analytical result for the one sample received on April 17, 1991. The sample was analyzed for TCLP lead and total lead. No analytical problems were encountered with the analysis of the sample and all associated QC samples were within criteria. Analytical results are summarized on the following page.

The sample is scheduled for disposal on April 28, 1991. If you would like additional analysis or would like the sample to be returned to you, please contact us as soon as possible.

If you need any more information regarding this data, please do not hesitate to contact me at (913) 865-9434. Thank you for using Professional Service Industries, Inc.

Sincerely,

Darla J Paulsen

Darla J. Paulsen
Inorganic Division Manager

DJP/crk

Encls.

4840 West 15th Street • Lawrence, KS 66049 • Phone: 913/749-2381

Professional Service Industries, Inc.
Hall-Kimbrell Division

April 22, 1991

Dave Cercone
Remcor c/o Union Wire Rope Co.
2100 Manchester Trafficway
Kansas City, MO 64126

Re: Analytical Result
#59303191-10348

Dear Mr. Cercone:

Enclosed is the analytical result for the one sample received on April 17, 1991. The sample was analyzed for TCLP lead and total lead. No analytical problems were encountered with the analysis of the sample and all associated QC samples were within criteria. Analytical results are summarized on the following page.

The sample is scheduled for disposal on May 6, 1991. If you would like additional analysis or would like the sample to be returned to you, please contact us as soon as possible.

If you need any more information regarding this data, please do not hesitate to contact me at (913) 865-9434. Thank you for using Professional Service Industries, Inc.

Sincerely,

Darla J Paulsen

Darla J. Paulsen
Inorganic Division Manager

DJP/crk

Encls.

4840 West 15th Street • Lawrence, KS 66049 • Phone: 913/749-2381

Professional Service Industries, Inc.
Hall-Kimbrell Division

April 16, 1991

Dave Cercone
Remcor c/o Union Wire Rope Co.
2100 Manchester Trafficway
Kansas City, MO 64126

Re: Analytical Results
#59303191-10320

Dear Mr. Cercone:

Enclosed are the analytical results for the two samples received on April 12, 1991. The samples were analyzed for TCLP lead and total lead. No analytical problems were encountered with the analysis of the samples and all associated QC samples were within criteria. Analytical results are summarized on the following page.

Samples are scheduled for disposal on April 26, 1991. If you would like additional analysis or would like the samples to be returned to you, please contact us as soon as possible.

If you need more information regarding this data, please do not hesitate to contact me at (913) 865-9434. Thank you for using Professional Service Industries, Inc.

Sincerely,

Darla J Paulsen

Darla J. Paulsen
Inorganic Division Manager

DJP/crk

Encls.

4840 West 15th Street • Lawrence, KS 66049 • Phone: 913/749-2381

Professional Service Industries, Inc.
Hall-Kimbrell Division

April 17, 1991

Dave Cercone
Remcor c/o Union Wire Rope Co.
2100 Manchester Trafficway
Kansas City, MO 64126

Re: Analytical Results
#59303191-10323

Dear Mr. Cercone:

Enclosed are the analytical results for the nine samples received on April 15, 1991. The samples were analyzed for TCLP lead and total lead. No analytical problems were encountered with the analysis of the samples and all associated QC samples were within criteria. Analytical results are summarized on the following page.

Samples are scheduled for disposal on April 27, 1991. If you would like additional analysis or would like the samples to be returned to you, please contact us as soon as possible.

If you need more information regarding this data, please do not hesitate to contact me at (913) 865-9434. Thank you for using Professional Service Industries, Inc.

Sincerely,

Darla J Paulsen

Darla J. Paulsen
Inorganic Division Manager

DJP/crk

Encls.

4840 West 15th Street • Lawrence, KS 66049 • Phone: 913/749-2381

Professional Service Industries, Inc.
Hall-Kimbrell Division

April 11, 1991

Dave Cercone
Remcor c/o Union Wire Rope Co.
2100 Manchester Trafficway
Kansas City, MO 64126

Re: Analytical Results
#59303191-10301

Dear Mr. Cercone:

Enclosed are the analytical results for the seven samples received on April 10, 1991. The samples were analyzed for TCLP lead and total lead. No analytical problems were encountered with the analysis of the samples and all associated QC samples were within criteria. Analytical results are summarized on the following page.

Samples are scheduled for disposal on April 21, 1991. If you would like additional analysis or would like the samples to be returned to you, please contact us as soon as possible.

If you need more information regarding this data, please do not hesitate to contact me at (913) 865-9434. Thank you for using Professional Service Industries, Inc.

Sincerely,

Darla J Paulsen

Darla J. Paulsen
Inorganic Division Manager

DJP/crk

Encls.

4840 West 15th Street • Lawrence, KS 66049 • Phone: 913/749-2381

Professional Service Industries, Inc.
Hall-Kimbrell Division

April 15, 1991

Dave Cercone
Remcor c/o Union Wire Rope Co.
2100 Manchester Trafficway
Kansas City, MO 64126

Re: Analytical Results
#59303191-10314

Dear Mr. Cercone:

Enclosed are the analytical results for the five samples received on April 11, 1991. The samples were analyzed for TCLP lead and total lead. No analytical problems were encountered with the analysis of the samples and all associated QC samples were within criteria. Analytical results are summarized on the following page.

Samples are scheduled for disposal on April 25, 1991. If you would like additional analysis or would like the samples to be returned to you, please contact us as soon as possible.

If you need more information regarding this data, please do not hesitate to contact me at (913) 865-9434. Thank you for using Professional Service Industries, Inc.

Sincerely,

Darla J Paulsen

Darla J. Paulsen
Inorganic Division Manager

DJP/crk

Encls.

4840 West 15th Street • Lawrence, KS 66049 • Phone: 913/749-2381

Professional Service Industries, Inc.
Hall-Kimbrell Division

April 9, 1991

Dave Cercone
Remcor c/o Union Wire Rope Co.
2100 Manchester Trafficway
Kansas City, MO 64126

Re: Analytical Results
#59303191-10283

Dear Mr. Cercone:

Enclosed are the analytical results for the three samples received on April 8, 1991. The samples were analyzed for TCLP lead and total lead. No analytical problems were encountered with the analysis of the samples and all associated QC samples were within criteria. Analytical results are summarized on the following page.

Samples are scheduled for disposal on April 19, 1991. If you would like additional analysis or would like the samples to be returned to you, please contact us as soon as possible.

If you need more information regarding this data, please do not hesitate to contact me at (913) 865-9434. Thank you for using Professional Service Industries, Inc.

Sincerely,

Darla J Paulsen

Darla J. Paulsen
Inorganic Division Manager

DJP/crk

Encls.

4840 West 15th Street • Lawrence, KS 66049 • Phone: 913/749-2381

Professional Service Industries, Inc.
Hall-Kimbrell Division

April 9, 1991

Dave Cercone
Remcor c/o Union Wire Rope Co.
2100 Manchester Trafficway
Kansas City, MO 64126

Re: Analytical Results
#59303191-10284

Dear Mr. Cercone:

Enclosed are the analytical results for the twelve samples received on April 8, 1991. The samples were analyzed for total lead. No analytical problems were encountered with the analysis of the samples and all associated QC samples were within criteria. Analytical results are summarized on the following page.

Samples are scheduled for disposal on April 19, 1991. If you would like additional analysis or would like the samples to be returned to you, please contact us as soon as possible.

If you need more information regarding this data, please do not hesitate to contact me at (913) 865-9434. Thank you for using Professional Service Industries, Inc.

Sincerely,

Darla J Paulsen

Darla J. Paulsen
Inorganic Division Manager

DJP/crk

Encls.

4840 West 15th Street • Lawrence, KS 66049 • Phone: 913/749-2381

Professional Service Industries, Inc.
Hall-Kimbrell Division

April 5, 1991

Dave Cercone
Remcor c/o Union Wire Rope Co.
2100 Manchester Trafficway
Kansas City, MO 64126

Re: Analytical Results
#59303191-10268

Dear Mr. Cercone:

Enclosed are the analytical results for the two samples received on April 3, 1991. The samples were analyzed for total lead. No analytical problems were encountered with the analysis of the samples and all associated QC samples were within criteria. Analytical results are summarized on the following page.

Samples are scheduled for disposal on April 15, 1991. If you would like additional analysis or would like the samples to be returned to you, please contact us as soon as possible.

If you need more information regarding this data, please do not hesitate to contact me at (913) 865-9434. Thank you for using Professional Service Industries, Inc.

Sincerely,

Darla J Paulsen

Darla J. Paulsen
Inorganic Division Manager

DJP/crk

Encls.

4840 West 15th Street • Lawrence, KS 66049 • Phone: 913/749-2381

Professional Service Industries, Inc.
Hall-Kimbrell Division

April 5, 1991

Dave Cercone
Remcor c/o Union Wire Rope Co.
2100 Manchester Trafficway
Kansas City, MO 64126

Re: Analytical Result
#59303191-10269

Dear Mr. Cercone:

Enclosed is the analytical result for the one sample received on April 4, 1991. The sample was analyzed for total lead. No analytical problems were encountered with the analysis of the sample and all associated QC samples were within criteria. Analytical results are summarized on the following page.

The sample is scheduled for disposal on April 15, 1991. If you would like additional analysis or would like the sample to be returned to you, please contact us as soon as possible.

If you need any more information regarding this data, please do not hesitate to contact me at (913) 865-9434. Thank you for using Professional Service Industries, Inc.

Sincerely,

Darla J Paulsen

Darla J. Paulsen
Inorganic Division Manager

DJP/crk

Encls.

Professional Service Industries, Inc.
Lawrence, Kansas

Remcor
90247
59303191-10234
March 29, 1991

CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD	
08-02-153-BT 734017	Total Lead	235	3	mg/kg	6010	
08-03-154-BT 734018	Total Lead	83	3	mg/kg	6010	
09-02-155-BT 734019	Total Lead	314	3	mg/kg	6010	
09-03-156-BT 734020	Total Lead	286	3	mg/kg	6010	
10-02-157-BT 734021	Total Lead	162	3	mg/kg	6010	
10-03-158-BT 734022	Total Lead	89	3	mg/kg	6010	
11-02-159-BT 734023	Total Lead	304	3	mg/kg	6010	
11-03-160-BT 734024	Total Lead	122	3	mg/kg	6010	
12-02-161-BT 734025	Total Lead	358	3	mg/kg	6010	
12-03-162-BT 734026	Total Lead	386	3	mg/kg	6010	

Professional Service Industries, Inc.
Hall-Kimbrell Division

April 2, 1991

Dave Cercone
Remcor c/o Union Wire Rope Co.
2100 Manchester Trafficway
Kansas City, MO 64126

Re: Analytical Result
#59303191-10175

Dear Mr. Cercone:

Enclosed is the analytical result for the one sample received on March 19, 1991. The sample was analyzed for total lead and TCLP lead. No analytical problems were encountered with the analysis of the sample and all associated QC samples were within criteria. Analytical results are summarized on the following page.

The sample is scheduled for disposal on April 12, 1991. If you would like additional analysis or would like the sample to be returned to you, please contact us as soon as possible.

If you need any more information regarding this data, please do not hesitate to contact me at (913) 865-9434. Thank you for using Professional Service Industries, Inc.

Sincerely,

Darla J Paulsen

Darla J. Paulsen
Inorganic Division Manager

DJP/crk

Encls.

CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD	
11-08-150-BT 733826	Total Lead	322	3	mg/kg	6010	
07-12-151-BT 733827	Total Lead	37	3	mg/kg	6010	
07-12-152-BT 733828	Total Lead	35	3	mg/kg	6010	
10-02-145-BT 733829	Total Lead	272	3	mg/kg	6010	
10-02-146-BT 733830	Total Lead	1403	3	mg/kg	6010	

Professional Service Industries, Inc.
Hall-Kimbrell Division

March 29, 1991

Dave Cercone
Remcor c/o Union Wire Rope Co.
2100 Manchester Trafficway
Kansas City, MO 64126

Re: Analytical Results
#59303191-10234

Dear Mr. Cercone:

Enclosed are the analytical results for the ten samples received on March 28, 1991. The samples were analyzed for total lead. No analytical problems were encountered with the analysis of the samples and all associated QC samples were within criteria. Analytical results are summarized on the following page.

Samples are scheduled for disposal on April 8, 1991. If you would like additional analysis or would like the samples to be returned to you, please contact us as soon as possible.

If you need more information regarding this data, please do not hesitate to contact me at (913) 865-9434. Thank you for using Professional Service Industires, Inc.

Sincerely,

Darla J Paulsen

Darla J. Paulsen
Inorganic Division Manager

DJP/crk

Encls.

4840 West 15th Street • Lawrence, KS 66049 • Phone: 913/749-2381

Professional Service Industries, Inc.
Lawrence, Kansas

Remcor
90247
59303191-10198
March 26, 1991

CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD
03-21-183-PLE	TCLP Lead	21.20	0.03	mg/L	1311
733740	Total Lead	4755	3	mg/kg	6010

Professional Service Industries, Inc.
Lawrence, Kansas

Remcor
90247
59303191-10213
March 27, 1991

CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD	
03-24-186-PLE	TCLP Lead	40.35	0.03	mg/L	1311	
733811	Total Lead	15620	3	mg/kg	6010	
03-24-188-PLE	TCLP Lead	4.09	0.03	mg/L	1311	
733812	Total Lead	454	3	mg/kg	6010	
07-09-135-BT	Total Lead	13	3	mg/kg	6010	G210 7A
733813						
07-69-136-BT	Total Lead	13	3	mg/kg	6010	9
733814						
07-09-137-BT	Total Lead	31	3	mg/kg	6010	7C
733815						
07-09-138-BT	Total Lead	21	3	mg/kg	6010	7C
733816						
12-03-139-BT	Total Lead	609	3	mg/kg	6010	12F
733817						
12-03-140-BT	Total Lead	409	3	mg/kg	6010	12F
733818						
08-02-141-BT	Total Lead	280	3	mg/kg	6010	8F
733819						
08-02-142-BT	Total Lead	260	3	mg/kg	6010	8F
733820						
09-02-143-BT	Total Lead	360	3	mg/kg	6010	9F
733821						
09-02-144-BT	Total Lead	414	3	mg/kg	6010	9F
733822						
12-02-147-BT	Total Lead	262	3	mg/kg	6010	12E
733823						
12-02-148-BT	Total Lead	228	3	mg/kg	6010	12F
733824						
11-08-149-BT	Total Lead	319	3	mg/kg	6010	11F
733825						

Professional Service Industries, Inc.
Hall-Kimbrell Division

March 26, 1991

Dave Cercone
Remcor c/o Union Wire Rope Co.
2100 Manchester Trafficway
Kansas City, MO 64126

Re: Analytical Result
#59303191-10198

Dear Mr. Cercone:

Enclosed is the analytical result for the one sample received on March 22, 1991. The sample was analyzed for total lead. No analytical problems were encountered with the analysis of the sample and all associated QC samples were within criteria. Analytical results are summarized on the following page.

The sample is scheduled for disposal on April 5, 1991. If you would like additional analysis or would like the sample to be returned to you, please contact us as soon as possible.

If you need any more information regarding this data, please do not hesitate to contact me at (913) 865-9434. Thank you for using Professional Service Industries, Inc.

Sincerely,

Darla J Paulsen

Darla J. Paulsen
Inorganic Division Manager

DJP/crk

Encls.

Professional Service Industries, Inc.
Hall-Kimbrell Division

March 27, 1991

Dave Cercone
Remcor c/o Union Wire Rope Co.
2100 Manchester Trafficway
Kansas City, MO 64126

Re: Analytical Results
#59303191-10213

Dear Mr. Cercone:

Enclosed are the analytical results for the twenty samples received on March 25, 1991. The samples were analyzed for total lead and TCLP Lead. No analytical problems were encountered with the analysis of the samples and all associated QC samples were within criteria. Analytical results are summarized on the following pages.

Samples are scheduled for disposal on April 6, 1991. If you would like additional analysis or would like the samples to be returned to you, please contact us as soon as possible.

If you need more information regarding this data, please do not hesitate to contact me at (913) 865-9434. Thank you for using Professional Service Industires, Inc.

Sincerely,

Darla J Paulsen

Darla J. Paulsen
Inorganic Division Manager

DJP/crk

Encls.

4840 West 15th Street • Lawrence, KS 66049 • Phone: 913/749-2381

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

March 25, 1991

Dave P. Cercone
Remcor

Dear Mr. Cercone:

One soil sample was analyzed for TCLP Pb. This sample was analyzed as KCTL Job 8020-91-2004; C1473. The detection limit were 0.1 mg/L for TCLP Pb analysis, and 50 mg/Kg for total Pb. Remcor Chain of Custody No. 2429.

Sample	TCLP Lead	Total Lead
03-21-184-PLE	136.0 mg/L	6800 mg/Kg

Sincerely,

Sam Ferro

Sam Ferro
Laboratory Manager

03-21-183-PLE

TCLP 21.2

Tot 4755

Hall - Kimbrell

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

March 26, 1991

Dave P. Cercone
Remcor

Dear Mr. Cercone:

Two soil samples were analyzed for TCLP Pb, and Total Pb. These sample were analyzed as KCTL Job 8020-91-2004; C1483. The detection limit was 0.1 mg/L for TCLP Pb analysis. The detection limits for total Pb was 2 mg/Kg. Remcor Chain of Custody No. 2433.

Sample	TCLP Lead	Total Lead
03-24-187-PLE	0.8 mg/L	398.5 mg/Kg
03-24-185-PLE	29.8 mg/L	7207.5 mg/Kg

Sincerely,

Sam Ferro

Sam Ferro
Laboratory Manager

Professional Service Industries, Inc.
Hall-Kimbrell Division

March 22, 1991

Dave Cercone
Remcor c/o Union Wire Rope Co.
2100 Manchester Trafficway
Kansas City, MO 64126

Re: Analytical Results
#59303191-10184

Dear Mr. Cercone:

Enclosed are the analytical results for the twelve samples received on March 20, 1991. The samples were analyzed for total lead. No analytical problems were encountered with the analysis of the samples and all associated QC samples were within criteria. Analytical results are summarized on the following page.

Samples are scheduled for disposal on April 1, 1991. If you would like additional analysis or would like the samples to be returned to you, please contact us as soon as possible.

If you need more information regarding this data, please do not hesitate to contact me at (913) 865-9434. Thank you for using Professional Service Industires, Inc.

Sincerely,

Darla J Paulsen

Darla J. Paulsen
Inorganic Division Manager

DJP/crk

Encls.

4840 West 15th Street • Lawrence, KS 66049 • Phone: 913/749-2381

Professional Service Industries, Inc.
Lawrence, Kansas

Remcor
90247
59303191-10184
March 22, 1991

CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD	
08-06-123-BT 733677	Total Lead	381	3	mg/kg	6010	8F
08-06-124-BT 733678	Total Lead	483	3	mg/kg	6010	8F
09-06-125-BT 733679	Total Lead	579	3	mg/kg	6010	9F
09-06-126-BT 733680	Total Lead	361	3	mg/kg	6010	9F
10-06-127-BT 733681	Total Lead	254	3	mg/kg	6010	[illegible]
10-06-128-BT 733682	Total Lead	375	3	mg/kg	6010	[illegible]
10-06-129-BT 733683	Total Lead	51	3	mg/kg	6010	[illegible]
10-06-130-BT 733684	Total Lead	38	3	mg/kg	6010	[illegible]
11-08-131-BT 733685	Total Lead	483	3	mg/kg	6010	11F
11-08-132-BT 733686	Total Lead	188	3	mg/kg	6010	[illegible]
12-08-133-BT 733687	Total Lead	395	3	mg/kg	6010	[illegible]
12-08-134-BT 733688	Total Lead	287	3	mg/kg	6010	[illegible]

Professional Service Industries, Inc.
Hall-Kimbrell Division

March 22, 1991

Dave Cercone
Remcor c/o Union Wire Rope Co.
2100 Manchester Trafficway
Kansas City, MO 64126

Re: Analytical Results
#59303191-10183

Dear Mr. Cercone:

Enclosed are the analytical results for the two samples received on March 20, 1991. The samples were analyzed for TCLP lead and total lead. No analytical problems were encountered with the analysis of the samples and all associated QC samples were within criteria. Analytical results are summarized on the following page.

Samples are scheduled for disposal on April 1, 1991. If you would like additional analysis or would like the samples to be returned to you, please contact us as soon as possible.

If you need more information regarding this data, please do not hesitate to contact me at (913) 865-9434. Thank you for using Professional Service Industires, Inc.

Sincerely,

Darla J Paulsen

Darla J. Paulsen
Inorganic Division Manager

DJP/crk

Encls.

4840 West 15th Street • Lawrence, KS 66049 • Phone: 913/749-2381

Professional Service Industries, Inc.
Lawrence, Kansas

Remcor
90247
59303191-10183
March 22, 1991

CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD	
03-20-180-PLC	Total Lead	2726	3	mg/kg	6010	Pile is in SW corner of site
733675	TCLP Lead	24.36	0.03	mg/L	1311	
03-20-182-PLE	Total Lead	1350	3	mg/kg	6010	Pile is in toolshed
733676	TCLP Lead	5.64	0.03	mg/L	1311	

Professional Service Industries, Inc.
Lawrence, Kansas

Remcor
90247
59303191-10175
March 20, 1991

CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD
03-19-179-PLC	TCLP Lead	4.62	0.03	mg/L	1311
733649	Total Lead	5762	3	mg/kg	6010

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

March 21, 1991

Dave P. Cercone
Remcor

Dear Mr. Cercone:

One soil samples was analyzed for TCLP Pb and Total Pb at KCTL (KCTL Job 8020-91-2004; C1466 . The detection limit for TCLP Pb was 0.1 mg/L, and the detection limit for Total Pb was 50 mg/Kg. Remcor Chain of Custody No. 2427.

	Total Lead	TCLP Lead
03-20-181-PLE	1320 mg/Kg	14.6 mg/L

Sincerely,

Sam Ferro

Sam Ferro
Laboratory Manager

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY

1669 JEFFERSON A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

March 19, 1991

Dave P. Cercone
Remcor

Dear Mr. Cercone:

One soil sample was analyzed for TCLP Pb. This sample was analyzed as KCTL Job 8020-91-2004; C1461 The detection limit was 0.1 mg/L for TCLP Pb analysis. Remcor Chain of Custody No. 2423.

Sample	TCLP Lead
03-18-177-PLE	1.4 mg/L

Sincerely,

Sam Ferro

Sam Ferro
Laboratory Manager

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

March 20, 1991

Dave P. Cercone
Remcor

Dear Mr. Cercone:

One soil sample was analyzed for TCLP Pb. This sample was analyzed as KCTL Job 8020-91-2004; C1466. The sample was removed from the rotator after 15 hours at the request of Dave Cercone of Remcor. The detection limit was 0.1 mg/L for TCLP Pb analysis. Remcor Chain of Custody No. 2424.

Sample	TCLP Lead	Total Lead
03-18-178-PLC	15.0 mg/L	1030 mg/Kg

Sincerely,

Sam Ferro

Sam Ferro
Laboratory Manager

Professional Service Industries, Inc.
Hall-Kimbrell Division

March 19, 1991

Dave Cercone
Remcor c/o Union Wire Rope Co.
2100 Manchester Trafficway
Kansas City, MO 64126

Re: Analytical Results
#59303191-10154

Dear Mr. Cercone:

Enclosed are the analytical results for the nine samples received on March 15, 1991. The samples were analyzed for TCLP lead and total lead. No analytical problems were encountered with the analysis of the samples and all associated QC samples were within criteria. Analytical results are summarized on the following pages.

Samples are scheduled for disposal on March 29, 1991. If you would like additional analysis or would like the samples to be returned to you, please contact us as soon as possible.

If you need more information regarding this data, please do not hesitate to contact me at (913) 865-9434. Thank you for using Professional Service Industires, Inc.

Sincerely,

Darla J Paulsen

Darla J. Paulsen
Inorganic Division Manager

DJP/crk

Encls.

4840 West 15th Street • Lawrence, KS 66049 • Phone: 913/749-2381

Professional Service Industries, Inc.
Lawrence, Kansas

Remcor
90247
59303191-10154
March 18, 1991

CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD	
03-14-175-PLF	TCLP Lead	3.78	0.03	mg/L	1311	6.2 @ KCTL
733476	Total Lead	11780	3	mg/kg	6010	
08-06-114-BT	Total Lead	22	3	mg/kg	6010	8B
733477						
08-06-115-BT	Total Lead	18	3	mg/kg	6010	8B
733478						
08-06-116-BT	Total Lead	50	3	mg/kg	6010	8C
733479						
08-06-117-BT	Total Lead	51	3	mg/kg	6010	8C
733480						
10-06-118-BT	Total Lead	357	3	mg/kg	6010	10E
733481						
10-06-119-BT	Total Lead	453	3	mg/kg	6010	10E
733482						
12-06-120-BT	Total Lead	294	3	mg/kg	6010	12E
733483						
12-06-121-BT	Total Lead	305	3	mg/kg	6010	12E
733484						

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY

1669 JEFFERSON A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

March 15, 1991

Dave P. Cercone
Remcor

Dear Mr. Cercone:

One soil sample was analyzed for TCLP Pb and total Pb. This sample were analyzed as KCTL Job 8020-91-2004; C1449. The detection limits were 0.1 mg/L for TCLP Pb analysis and 2 mg/kg for the total Pb analysis. Remcor Chain of Custody No. 2420.

Sample	Total lead	TCLP Lead
03-14-174-PLF	6850 mg/kg	6.2 mg/L

Sincerely,

Sam Ferro

Sam Ferro
Laboratory Manager

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

March 18, 1991

Dave P. Cercone
Remcor

Dear Mr. Cercone:

One soil sample was analyzed for TCLP Pb and total Pb. This sample were analyzed as KCTL Job 8020-91-2004; C1453 The detection limits were 0.1 mg/L for TCLP Pb analysis and 50 mg/kg for the total Pb analysis. Remcor Chain of Custody No. 2422.

Sample	Total lead	TCLP Lead
03-15-176-PLE	24320 mg/kg	197.6 mg/L

Sincerely,

Sam Ferro

Sam Ferro
Laboratory Manager

Professional Services Industries, Inc.
Hall-Kimbrell Division

Remcor
90247
59303191-10101
March 7, 1991

CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD	
03-05-171-PLF	Total Lead	1193	3	mg/kg	6010	
733257	TCLP Lead	9.23	0.03	mg/L	1311	
09-05-109-BT	Total Lead	8	3	mg/kg	6010	7A
733258						
09-05-110-BT	Total Lead	11	3	mg/kg	6010	9A
733259						

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

March 12, 1991

Dave P. Cercone
Remcor

Dear Mr. Cercone:

One soil sample was analyzed for TCLP Pb and total Pb, These samples were analyzed as KCTL Job 8020-91-2004; C1434. The detection limits were 0.1 mg/L for TCLP Pb analysis and 2 mg/kg for the total Pb analysis. Remcor Chain of Custody No. 2419.

Sample	Total lead	TCLP Lead
03-11-173-PLF	13283 mg/kg	38.1 mg/L

Sincerely,

Sam Ferro

Sam Ferro
Laboratory Manager

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY

1669 JEFFERSON A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

March 6, 1991

Dave P. Cercone
Remcor

Dear Mr. Cercone:

One soil sample was analyzed for TCLP Pb and total Pb at KCTL (KCTL Job 8020-91-2004; C1409). The detection limits were 0.1 mg/L for TCLP Pb analysis and 50 mg/kg for the total Pb analysis. Remcor Chain of Custody No. 2416.

Sample	Total lead	TCLP Lead
03-05-170-PLF	1267 mg/kg	5.6 mg/L
Hood-Kimbrel 03-05-171-PLF	1193 mg/kg	9.23 mg/L

Sincerely,

Sam Ferro

Sam Ferro
Laboratory Manager

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*****************************************************************************
*                                                                       P.01
*                        TRANSACTION REPORT
*                                                  MAR- 6-91 WED 17:34
*
*     DATE   START          SENDER          RX TIME   PAGES   NOTE
*  ---------------------------------------------------------------------
*    MAR- 6 17:33 8427351                    1'06"     2       OK
*
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CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

March 7, 1991

Dave P. Cercone
Remcor

Dear Mr. Cercone:

One soil sample was analyzed for TCLP Pb and total Pb, and a second sample was analyzed for total Pb. These samples were analyzed as KCTL Job 8020-91-2004; C1418. The detection limits were 0.1 mg/L for TCLP Pb analysis and 2 mg/kg for the total Pb analysis. Remcor Chain of Custody No. 2418.

Sample	Total lead	TCLP Lead
03-06-172-PLF	10835 mg/kg	5.4 mg/L
09-06-111-BT	35 mg/kg	

Sincerely,

Sam Ferro
Laboratory Manager

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

March 5, 1991

Dave P. Cercone
Remcor

Dear Mr. Cercone:

One soil sample was analyzed for TCLP Pb at KCTL (KCTL Job 8020-91-2004; C1402). The sample was removed from the TCLP rotator/agitator after 13.5 hours instead of the normal 18 hours. The early removal and analysis was performed at the request of Dave Cercone of Remcor. The detection limit for the TCLP Pb analysis was 0.1 mg/L. Remcor Chain of Custody No. 2414.

The total lead results for this sample will be faxed to you later today.

Sample	Total lead	TCLP Lead
03-04-168-PLF	----	17.3 mg/L

Sincerely,

Sam Ferro

Sam Ferro
Laboratory Manager

Professional Services Industries, Inc.
Hall-Kimbrell Division

Remcor
90247 Armco-Union Wire Rope
59303191-10095
March 6, 1991

CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD	
10-10-101-BT 733231	Total Lead	14	3	mg/kg	6010	10 A
10-10-102-BT 733232	Total Lead	10	3	mg/kg	6010	10 A
03-04-167-PLE 733233	TCLP Lead	52.51	0.03	mg/L	1311	
02-27-164-PLE	Total Lead	460	3	mg/kg	6010	
733234	TCLP Lead	0.58	0.03	mg/L	1311	
Brick 733235	TCLP Lead	4.41	0.03	mg/L	1311	
Wood 733236	TCLP Lead	19.55	0.03	mg/L	1311	
03-04-169-PLE 733237	TCLP Lead	0.82	0.03	mg/L	1311	

Professional Services Industries, Inc.
Hall-Kimbrell Division

Remcor
90247
59303191-10056
February 28, 1991

CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD	Geo
10-06-097-BT 732932	Total Lead	732	3	mg/kg	6010	10F
10-06-098-BT 732933	Total Lead	566	3	mg/kg	6010	10F
07-10-099-BT 732934	Total Lead	33	3	mg/kg	6010	7D
07-10-100-BT 732935	Total Lead	24	3	mg/kg	6010	7D

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

March 4, 1991

Dave P. Cercone
Remcor

Dear Mr. Cercone:

One soil sample was analyzed for TCLP Pb and Total Pb at KCTL (KCTL Job 8020-91-2004; C1398). The detection limit for TCLP Pb was 0.1 mg/L, and the detection limit for Total Pb was 500 mg/Kg. Remcor Chain of Custody No. 2413.

Sample	Total lead	TCLP Lead
03-01-166-PLE	45200 mg/Kg	4.2 mg/L

Sincerely,

Sam Ferro

Sam Ferro
Laboratory Manager

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

Februrary 28, 1991

Dave P. Cercone
Remcor

Dear Mr. Cercone:

Three soil samples was analyzed for TCLP Pb and Total Pb at KCTL (KCTL Job 8020-91-2004; C1390 . The detection limit for TCLP Pb was 0.1 mg/L, and the detection limit for Total Pb was 50 mg/Kg. Remcor Chain of Custody No. 2412.

Sample	Total lead	TCLP Lead
02-27-162-PLE	1095 mg/Kg	1.3 mg/L
02-27-163-PLE	442 mg/Kg	-------
02-27-165-PLE	11700 mg/Kg	151 mg/L

Sincerely,

Sam Ferro

Sam Ferro
Laboratory Manager

Professional Services Industries, Inc.
Hall-Kimbrell Division

Remcor
90247 Armco-UWR
59303191-10051
February 28, 1991

CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD	
11-06-085-BT 732897	Total Lead	12	3	mg/kg	6010	11D
11-06-086-BT 732898	Total Lead	28	3	mg/kg	6010	11D
11-06-087-BT 732899	Total Lead	129	3	mg/kg	6010	11E
11-06-088-BT 732900	Total Lead	107	3	mg/kg	6010	11E
11-06-089-BT 732901	Total Lead	338	3	mg/kg	6010	11
09-06-090-BT 732902	Total Lead	415	3	mg/kg	6010	11F
09-06-091-BT 732903	Total Lead	62	3	mg/kg	6010	9E
09-06-092-BT 732904	Total Lead	56	3	mg/kg	6010	9E
09-06-093-BT 732905	Total Lead	589	3	mg/kg	6010	9F
09-06-094-BT 732906	Total Lead	1351	3	mg/kg	6010	9F
09-10-095-BT 732907	Total Lead	39	3	mg/kg	6010	8D
09-10-096-BT 732908	Total Lead	34	3	mg/kg	6010	8D

Professional Services Industries, Inc.
Hall-Kimbrell Division

Remcor
90247
59303191-10042
February 26, 1991

CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD	
02-20-156-PLE 732871	Total Lead	2899	3	mg/kg	6010	
09-06-081-BT 732872	Total Lead	43	3	mg/kg	6010	9C
09-06-082-BT 732873	Total Lead	27	3	mg/kg	6010	9C
09-12-083-BT 732874	Total Lead	81	3	mg/kg	6010	9D
09-12-084-BT 732875	Total Lead	120	3	mg/kg	6010	9D

From the office of

KANSAS CITY TESTING LABORATORY

1669 JEFFERSON
P. O. BOX 8586

A.C. 913—648-2303
KANSAS CITY, MISSOURI 64114

Ferbruary 27, 1991

Dave P. Cercone
Remcor

Dear Mr. Cercone:

One soil sample was analyzed for TCLP Pb and Total Pb at KCTL (KCTL Job 8020-91-2004; C1385 . The detection limit for TCLP Pb was 0.1 mg/L, and the detection limit for Total Pb was 50 mg/Kg. Remcor Chain of Custody No. 2411.

	Total Lead	TCLP Lead
02-26-161-PLE	7060 mg/Kg	67 mg/L

Sincerely,

Sam Ferro

Sam Ferro
Laboratory Manager

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

Ferbruary 24, 1991

Dave P. Cercone
Remcor

Dear Mr. Cercone:

Two soil samples were analyzed for TCLP Pb and Cd, and total Pb at KCTL (KCTL Job 8020-91-2004; C1375 and C1377). The detection limit for TCLP Cd and TCLP Pb is 0.1 mg/L, and the detection limit for total Pb was 5 mg/kg.

Sample	TCLP Cadmium (mg/L)	TCLP Lead (mg/L)	Total Lead (mg/kg)
02-22-158-PLF	0.29	46.1	30628
02-23-159-PLE	ND	19.4	41961

Sincerely,

Sam Ferro

Sam Ferro
Laboratory Manager

From the office of

KANSAS CITY TESTING LABORATORY

1669 JEFFERSON
P. O. BOX 8586

A.C. 913—648-2303
KANSAS CITY, MISSOURI 64114

Ferbruary 25, 1991

Dave P. Cercone
Remcor

Dear Mr. Cercone:

One soil sample was analyzed for TCLP Pb and Total Pb at KCTL (KCTL Job 8020-91-2004; C1379 . The detection limit for TCLP Pb was 0.1 mg/L, and the detection limit for Total Pb was 50 mg/Kg. Remcor Chain of Custody No. 2408.

	Total Lead	TCLP Lead
02-24-160-PLE	16,000 mg/Kg	11 mg/L

Sincerely,

Sam Ferro

Sam Ferro
Laboratory Manager

Professional Services Industries, Inc.
Hall-Kimbrell Division

Remcor
90247
59303191-910213-01
February 21, 1991

CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD	
09-06-072-BT 732672	Total Lead	233	3	mg/kg	6010	9E
09-06-073-BT 732673	Total Lead	457	3	mg/kg	6010	9E
09-06-074-BT 732674	Total Lead	240	3	mg/kg	6010	9E
09-06-075-BT 732675	Total Lead	128	3	mg/kg	6010	9E
10-06-076-BT 732676	Total Lead	545	3	mg/kg	6010	10E
10-06-077-BT 732677	Total Lead	361	3	mg/kg	6010	10E
10-07-078-BT 732678	Total Lead	140	3	mg/kg	6010	10D
10-07-079-BT 732679	Total Lead	126	3	mg/kg	6010	10D

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON
A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

Ferbruary 22, 1991

Dave P. Cercone
Remcor

Dear Mr. Cercone:

One soil sample was received at KCTL on 2-21-91 (KCTL Job 8020-91-2004; C1367). The detection limit for TCLP Cd and TCLP Pb is 0.1 mg/L, and the detection limit for total Pb was 5 mg/kg.

Sample	TCLP Cadmium (mg/L)	TCLP Lead (mg/L)	Total Lead (mg/kg)
02-21-157-PLE	ND	249	25300

Sincerely,

Sam Ferro

Sam Ferro
Laboratory Manager

SF

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON
A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

Ferbruary 15, 1991

Dave P. Cercone
Remcor

Dear Mr. Cercone:

Two soil samples were received at KCTL on 2-14-91 (KCTL Job 8020-91-2004; C1347). The detection limit for TCLP lead was 0.1 mg/L, and the detection limit for the total lead was 50 mg/kg.

Sample	TCLP Lead	Total Lead
02-14-154-PL	179 mg/L	23000 mg/kg

Sincerely,

Sam Ferro

Sam Ferro
Laboratory Manager

SF:op

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

Ferbruary 21, 1991

Dave P. Cercone
Remcor

Dear Mr. Cercone:

One soil sample was received at KCTL on 2-14-91 (KCTL Job 8020-91-2004; C1361). The detection limit for TCLP Pb and Cd were 0.05 mg/L, and the detection limit for total Pb was 5 mg/kg.

Sample	TCLP Cadmium (mg/L)	TCLP Lead (mg/L)	Total Lead (mg/kg)
02-~~21~~ 20-155-PLF	0.08	15	18080

Sincerely,

Sam Ferro
Laboratory Manager

SF

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON
A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

Ferbruary 13, 1991

Dave P. Cercone
Remcor

Dear Mr. Cercone:

Two soil samples were received at KCTL on 2-12-91 (KCTL Job 8020-91-2004; C1340). The detection limit for TCLP lead was 0.1 mg/L, and the detection limit for the total lead was 2 mg/kg.

Sample		TCLP Lead	Total Lead
02-12-150-PLE	(sampled at 1253)	3.3 mg/L	3490 mg/kg
02-12-151-PLF	(sampled at 1250)	4.2 mg/L	7120mg/kg

The sample that is listed as 02-12-151-PLF was listed as 02-12-150-PLE on the Chain of Custody form. The sample bottle, however, has 02-12-151-PLF on the label.

Sincerely,

Sam Ferro

Sam Ferro
Laboratory Manager

SF:op

Professional Services Industries, Inc.
Hall-Kimbrell Division

Remcor
90247 Armco - WWR
59303191-910214-01
February 15, 1991

CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD
02-13-152-PLE	TCLP Lead	9.22	0.03	mg/L	1311
732683	Total Lead	4334	3	mg/kg	6010
02-13-153-PLF	TCLP Lead	197	0.03	mg/L	1311
732684	Total Lead	10440	3	mg/kg	6010

pace INCORPORATED
THE ASSURANCE OF QUALITY

REPORT OF LABORATORY ANALYSIS

Remcor, Inc.
P.O. Box 38310
701 Alpha Drive
Pittsburgh, PA 15238

April 23, 1991
PACE Project Number: 510422504

Attn: Mr. William Beck

Union Wire Rope

PACE Sample Number:			60 0045780	
Date Collected:			04/21/91	
Date Received:			04/22/91	
			04-21-216-PLL	
Parameter	Units	MDL	Leachate (1)	DATE ANALYZED
INORGANIC ANALYSIS				
INDIVIDUAL PARAMETERS				
Lead, Leachate	mg/L	0.25	1.60	04/23/91

PACE Sample Number:			60 0045801	
Date Collected:			04/21/91	
Date Received:			04/22/91	
			04-21-217-PLL	
Parameter	Units	MDL	Leachate (1)	DATE ANALYZED
INORGANIC ANALYSIS				
INDIVIDUAL PARAMETERS				
Lead, Leachate	mg/L	0.25	2.86	04/23/91

(1) All analysis performed on Toxic Characteristic Leachate.
MDL Method Detection Limit

REPORT OF LABORATORY ANALYSIS

Mr. William Beck
Page 2

April 23, 1991
PACE Project Number: 51042

Union Wire Rope

Parameter	Units	MDL	60 0045828 Leachate (1)	DATE ANALYZED
PACE Sample Number:			60 0045828	
Date Collected:			04/21/91	
Date Received:			04/22/91	
			04-21-218-PLL	
INORGANIC ANALYSIS				
INDIVIDUAL PARAMETERS				
Lead, Leachate	mg/L	0.25	2.86	04/23/91

Parameter	Units	MDL	60 0045844 Leachate (1)	DATE ANALYZED
PACE Sample Number:			60 0045844	
Date Collected:			04/21/91	
Date Received:			04/22/91	
			04-21-223-PLL	
INORGANIC ANALYSIS				
INDIVIDUAL PARAMETERS				
Lead, Leachate	mg/L	0.25	20.1	04/23/91

Parameter	Units	MDL	60 0045771 PLL	DATE ANALYZED
PACE Sample Number:			60 0045771	
Date Collected:			04/21/91	
Date Received:			04/22/91	
			04-21-216-PLL	
INORGANIC ANALYSIS				
INDIVIDUAL PARAMETERS				
Lead	mg/kg	2.5	64.2	04/23/91
Totals, Extract Date-Metals (Soils+)			04/22/91	

(1) All analysis performed on Toxic Characteristic Leachate.
MDL Method Detection Limit

REPORT OF LABORATORY ANALYSIS

Mr. William Beck
Page 3

April 23, 1991
PACE Project Number: 510422504

Union Wire Rope

PACE Sample Number:			60 0045798	
Date Collected:			04/21/91	
Date Received:			04/22/91	
Parameter	Units	MDL	04-21-217-PLL	DATE ANALYZED
INORGANIC ANALYSIS				
INDIVIDUAL PARAMETERS				
Lead	mg/kg	2.5	36.0	04/23/91
Totals, Extract Date-Metals (Soils+)			04/22/91	

PACE Sample Number:			60 0045810	
Date Collected:			04/21/91	
Date Received:			04/22/91	
Parameter	Units	MDL	04-21-218-PLL	DATE ANALYZED
INORGANIC ANALYSIS				
INDIVIDUAL PARAMETERS				
Lead	mg/kg	2.5	26.8	04/23/91
Totals, Extract Date-Metals (Soils+)			04/22/91	

PACE Sample Number:			60 0045836	
Date Collected:			04/21/91	
Date Received:			04/22/91	
Parameter	Units	MDL	04-21-223-PLL	DATE ANALYZED
INORGANIC ANALYSIS				
INDIVIDUAL PARAMETERS				
Lead	mg/kg	2.5	1290	04/23/91
Totals, Extract Date-Metals (Soils+)			04/22/91	

MDL Method Detection Limit

Mr. William Beck
Page 4

April 23, 1991
PACE Project Number: 51042

Union Wire Rope

These data have been reviewed and are approved for release.

Brian J. Smith
Manager, Inorganic Chemistry

9608 Loiret Boulevard
Lenexa, KS 66219
TEL: 913-599-5665
FAX: 913-599-1759

510422.504

REMCOR

CHAIN OF CUSTODY RECORD № 2463

PROJECT NO.: 90247

PROJECT NAME: UNION WIRE ROPE

SAMPLERS: HARRY L OWENS

SAMPLE	~~DATE~~ TIME	~~TIME~~ DATE	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	TCLP	TOTAL PB					REMARKS PACE LAB
04-21-216-PLC	0930	4/21	WASTE	MAT. EXCAVATED 4C,B PILE ON GRID 5A	1	X	X					
04-21-217-PLC	0945	4/21	WASTE	MAT. EXCAVED 4C,B PILE ON GRID 6A.	1	X	X					CALL BEFORE FAX
04-21-218-PLC	1130	4/21	WASTE	EXCAVTED FROM 5C PILE ON GRID 8B,C	1	X	X					INFO: 816 2423170
04-22-223-PLC	0730	4/22	WASTE	EXCAVATED FROM 5B,C PILE ON GRID 7C.	1	X	X					"RUSH!"
												24 HR TURN.
* #	04-21-	216-PLC	DUPLICATE #	04-21-213-PLC	1		04-21-219-PLC					* NOTE
	04-21-	217-PLC	DUPLICATE #	04-21-214-PLC	1		04-21-220-PLC					
	04-21-	218-PLC	DUPLICATE #	04-21-215-PLC	1		04-21-221-PLC					
	04-22-	223-PLC	DUPLICATE #	04-22-222-PLC	1		04-22-224-PLC					

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
[signature]	4-22-91 0935	Pamela Porosky			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
	4-22-91 0930				
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

Professional Service Industries, Inc.
Lawrence, Kansas

Remcor
90247
59303191-10368
April 23, 1991

CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD
04-21-219-PLC	TCLP Lead	1.35	0.03	mg/L	1311
734610	Total Lead	1378	3	mg/kg	6010
04-21-220-PLC	TCLP Lead	1.45	0.03	mg/L	1311
734611	Total Lead	1862	3	mg/kg	6010
04-21-221-PLC	TCLP Lead	2.54	0.03	mg/L	1311
734612	Total Lead	1758	3	mg/kg	6010
04-22-222-PLC	TCLP Lead	1.12	0.03	mg/L	1311
734613	Total Lead	1479	3	mg/kg	6010

Professional Service Industries, Inc.
Lawrence, Kansas

Remcor
90247
59303191-10380
April 24, 1991

CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD	
04-08-191-BT 734638	Total Lead	14	3	mg/kg	6010	GR10 4A
04-08-192-BT 734639	Total Lead	16	3	mg/kg	6010	GR10 4A
04-08-193-BT 734640	Total Lead	21	3	mg/kg	6010	GR10 4B
04-08-194-BT 734641	Total Lead	17	3	mg/kg	6010	GR10 4B
04-08-195-BT 734642	Total Lead	24	3	mg/kg	6010	GR10 4C
04-08-196-BT 734643	Total Lead	9	3	mg/kg	6010	GR10 4C

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

April 25, 1991

David P. Cercone
Remcor

Dear Mr. Cercone:

One soil sample was analyzed for TCLP Pb, and Total Pb. The sample was analyzed as KCTL Job 8020-91-2004; C1570. The detection limit was 0.1 mg/L for TCLP Pb analysis. The detection limits for total Pb was 40 mg/Kg. Remcor Chain of Custody No. 2461.

Sample	TCLP Lead	Total Lead
04-24-225-PLC	0.3 mg/L	848 mg/Kg

Sincerely,

Sam Ferro

Sam Ferro
Laboratory Manager

Professional Service Industries, Inc.
Lawrence, Kansas

Remcor
90247
59303191-10391
April 26, 1991

CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD
04-24-226-PLC	TCLP Lead	1.00	0.03	mg/L	1311
734781	Total Lead	231	3	mg/kg	6010

Professional Service Industries, Inc.
Lawrence, Kansas

Remcor
90247
59303191-10391
April 26, 1991

CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD
04-24-226-PLC	TCLP Lead	1.00	0.03	mg/L	1311
734781	Total Lead	231	3	mg/kg	6010

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

April 26, 1991

David P. Cercone
Remcor

Dear Mr. Cercone:

One soil sample was analyzed for TCLP Pb, and Total Pb. The sample was analyzed as KCTL Job 8020-91-2004; C1575. The detection limit was 0.1 mg/L for TCLP Pb analysis. The detection limit for total Pb was 2 mg/Kg.

Sample	TCLP Lead	Total Lead
04-24-228-PLC	0.2 mg/L	562 mg/Kg

All results are final.

Sincerely,

Sam Ferro

Sam Ferro
Laboratory Manager

Professional Service Industries, Inc.
Lawrence, Kansas

Remcor
90247
59303191-10405
April 26, 1991

CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD
04-25-229-PLC	TCLP Lead	0.42	0.03	mg/L	1311
734858	Total Lead	629	3	mg/kg	6010

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

April 27, 1991

David P. Cercone
Remcor

Dear Mr. Cercone:

One soil sample was analyzed for TCLP Pb, and Total Pb. The sample was analyzed as KCTL Job 8020-91-2004; C1579. The detection limit was 0.1 mg/L for TCLP Pb analysis. The detection limit for total Pb was 2 mg/Kg.

Sample	TCLP Lead	Total Lead
04-25-230-PLC	0.2 mg/L	813.8 mg/Kg

All results are final.

Sincerely,

Sam Ferro
Laboratory Manager

From the office of

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON
P. O. BOX 8586
A.C. 913—648-2303
KANSAS CITY, MISSOURI 64114

April 30, 1991

David P. Cercone
Remcor

Dear Mr. Cercone:

Five soil samples were analyzed for TCLP Pb, and Total Pb. The samples were analyzed as KCTL Job 8020-91-2004; C1584. The detection limit was 0.1 mg/L for TCLP Pb analysis. The detection limit for total Pb was 40 mg/Kg.

Sample	TCLP Lead	Total Lead
04-27-232-PLE	0.36 mg/L	1208 mg/Kg
04-27-234-PLC	0.46 mg/L	4631 mg/Kg
04-28-236-PLE	0.75 mg/L	2195 mg/Kg
04-28-238-PLE	1.14 mg/L	5051 mg/Kg
04-28-240-PLC	<0.1 mg/L	693 mg/Kg

Since the TCLP results are below 5 mg/L, these samples will have to undergo an additional analysis step before the TCLP results are final. The total lead results are the final results.

Sincerely,

Sam Ferro

Sam Ferro
Laboratory Manager

Professional Service Industries, Inc.
Hall-Kimbrell Division

May 8, 1991

Dave Cercone
Remcor c/o Union Wire Rope Co.
2100 Manchester Trafficway
Kansas City, MO 64126

Re: Analytical Results
#59303191-10425

Dear Mr. Cercone:

Enclosed are the analytical results for the nine samples received on April 29, 1991. The samples were analyzed for TCLP lead and total lead. No analytical problems were encountered with the analysis of the samples and all associated QC samples were within criteria. Analytical results are summarized on the following page.

The nine samples that are on hold for total lead will be held until June 19, 1991 and then disposed of. If you would like additional analysis or would like the samples to be returned to you, please contact us as soon as possible.

If you need more information regarding this data, please do not hesitate to contact me at (913) 865-9434. Thank you for using Professional Service Industries, Inc.

Sincerely,

Kerm Kennedy (for Darla Paulsen)

Darla J. Paulsen
Inorganic Division Manager

DJP/crk

Encls.

Professional Service Industries, Inc.
Lawrence, Kansas

Remcor
90247
59303191-10425
April 30, 1991

CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD
04-27-233-PLE 734974	TCLP Lead	0.19	0.03	mg/L	1311
04-27-235-PLC 734975	TCLP Lead	1.98	0.03	mg/L	1311
04-28-237-PLE 734976	TCLP Lead	0.45	0.03	mg/L	1311
04-28-239-PLF 734977	TCLP Lead	2.57	0.03	mg/L	1311
04-28-241-PLE 734978	TCLP Lead	1.39	0.03	mg/L	1311

Professional Service Industries, Inc.
Lawrence, Kansas

Remcor
90247
59303191-10415
April 30, 1991

CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD
04-25-231-PLC	TCLP Lead	0.34	0.03	mg/L	6010
734888	Total Lead	30	3	mg/kg	6010

From the office of

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON
P. O. BOX 8586
A.C. 913—648-2303
KANSAS CITY, MISSOURI 64114

May 1, 1991

David P. Cercone
Remcor

Dear Mr. Cercone:

One soil samples were analyzed for TCLP Pb, and Total Pb. The samples were analyzed as KCTL Job 8020-91-2004; C1590. The detection limit was 0.1 mg/L for TCLP Pb analysis. The detection limit for total Pb was 40 mg/Kg.

Sample	TCLP Lead	Total Lead
04-29-242-PLE	0.72 mg/L	1706 mg/Kg

Sincerely,

Ophelia Page for
Sam Ferro
Laboratory Manager

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

May 3, 1991

David P. Cercone
Remcor

Dear Mr. Cercone:

Three soil samples were analyzed for TCLP Pb, and Total Pb. The samples were analyzed as KCTL Job 8020-91-2004; C1592. The detection limit was 0.1 mg/L for TCLP Pb analysis. The detection limit for total Pb was 40 mg/Kg.

Sample	TCLP Lead	Total Lead
05-01-244-PLE	1.06 mg/L	2077
05-01-246-PLE	1.39 mg/L	3213
05-01-248-PLE	1.99 mg/L	4780

Sincerely,

Sam Ferro

Sam Ferro
Laboratory Manager

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

May 4, 1991

David P. Cercone
Remcor

Dear Mr. Cercone:

One soil sample was analyzed for TCLP Pb, and Total Pb. The sample was analyzed as KCTL Job 8020-91-2004; C1597. The detection limit was 0.1 mg/L for TCLP Pb analysis. The detection limit for total Pb was 2 mg/Kg.

Sample	TCLP Lead	Total Lead
03-09-214-PLE	0.1 mg/L	117.6 mg/Kg

Sincerely,

Sam Ferro

Sam Ferro
Laboratory Manager

Professional Service Industries, Inc.
Hall-Kimbrell Division

May 7, 1991

Dave Cercone
Remcor c/o Union Wire Rope Co.
2100 Manchester Trafficway
Kansas City, MO 64126

Re: Analytical Results
#59303191-10452

Dear Mr. Cercone:

Enclosed are the analytical results for the sixteen samples received on May 2, 1991. The samples were analyzed for TCLP lead and total lead. No analytical problems were encountered with the analysis of the samples and all associated QC samples were within criteria. Analytical results are summarized on the following pages.

Samples are scheduled for disposal on May 17, 1991. If you would like additional analysis or would like the samples to be returned to you, please contact us as soon as possible.

If you need more information regarding this data, please do not hesitate to contact me at (913) 865-9434. Thank you for using Professional Service Industries, Inc.

Sincerely,

Darla J. Paulsen

Darla J. Paulsen
Inorganic Division Manager

DJP/crk

Encls.

Professional Service Industries, Inc.
Lawrence, Kansas

Remcor
90247
59303191-10452
May 7, 1991

CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD	
05-08-198-BT 735182	Total Lead	15	3	mg/kg	6010	5A
05-08-199-BT 735183	Total Lead	40	3	mg/kg	6010	5A
05-08-201-BT 735184	Total Lead	75	3	mg/kg	6010	5B
05-08-202-BT 735185	Total Lead	4	3	mg/kg	6010	5B
05-08-204-BT 735186	Total Lead	290	3	mg/kg	6010	5C
05-08-205-BT 735187	Total Lead	30	3	mg/kg	6010	5C
06-08-207-BT 735188	Total Lead	14	3	mg/kg	6010	6A
06-08-208-BT 735189	Total Lead	10	3	mg/kg	6010	6A
06-08-209-BT 735190	Total Lead	16	3	mg/kg	6010	6B
06-08-210-BT 735191	Total Lead	9	3	mg/kg	6010	6B

CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD
06-08-211-BT 735192	Total Lead	16	3	mg/kg	6010
06-08-212-BT 735193	Total Lead	23	3	mg/kg	6010
05-01-245-PLE	TCLP Lead	0.23	0.03	mg/L	1311
735194	Total Lead	1271	3	mg/kg	6010
05-01-247-PLE	TCLP Lead	0.88	0.03	mg/L	1311
735195	Total Lead	1118	3	mg/kg	6010
05-01-249-PLE	TCLP Lead	1.72	0.03	mg/L	1311
735196	Total Lead	1847	3	mg/kg	6010
05-02-250-SLD	TCLP Lead	0.05	0.03	mg/L	1311
735197	Total Lead	110	3	mg/kg	6010

Professional Service Industries, Inc.
Hall-Kimbrell Division

May 7, 1991

Dave Cercone
Remcor c/o Union Wire Rope Co.
2100 Manchester Trafficway
Kansas City, MO 64126

Re: Analytical Results
#59303191-10469

Dear Mr. Cercone:

Enclosed are the analytical results for the seventeen samples received on May 3, 1991. The samples were analyzed for TCLP lead and total lead. No analytical problems were encountered with the analysis of the samples and all associated QC samples were within criteria. Analytical results are summarized on the following page.

Samples are scheduled for disposal on May 17, 1991. If you would like additional analysis or would like the samples to be returned to you, please contact us as soon as possible.

If you need more information regarding this data, please do not hesitate to contact me at (913) 865-9434. Thank you for using Professional Service Industries, Inc.

Sincerely,

Darla J Paulsen

Darla J. Paulsen
Inorganic Division Manager

DJP/crk

Encls.

4840 West 15th Street • Lawrence, KS 66049 • Phone: 913/749-2381

Professional Service ' lustries, Inc.
Lawrence, Kansas

Remcor
90247
59303191-10469
May 7, 1991

CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD
03-09-213-PLE	Total Lead	128	3	mg/kg	6010
735247	TCLP Lead	0.04	0.03	mg/L	1311
03-10-215-BT	Total Lead	73	3	mg/kg	6010
735248					
03-10-216-BT	Total Lead	138	3	mg/kg	6010
735249					
12-21-217-BT	Total Lead	221	3	mg/kg	6010
735250					
12-21-218-BT	Total Lead	187	3	mg/kg	6010
735251					
09-21-219-BT	Total Lead	190	3	mg/kg	6010
735252					
09-21-220-BT	Total Lead	201	3	mg/kg	6010
735253					
11-21-223-BT	Total Lead	71	3	mg/kg	6010
735254					
11-22-224-BT	Total Lead	186	3	mg/kg	6010
735255					
12-21-225-BT	Total Lead	153	3	mg/kg	6010
735256					
12-21-226-BT	Total Lead	97	3	mg/kg	6010
735257					
06-12-227-BT	Total Lead	24	3	mg/kg	6010
735258					
06-12-228-BT	Total Lead	13	3	mg/kg	6010
735259					
06-14-229-BT	Total Lead	17	3	mg/kg	6010
735260					
06-14-230-BT	Total Lead	11	3	mg/kg	6010
735261					
03-14-221-BT	Total Lead	< 3	3	mg/kg	6010
735262					
03-14-222-BT	Total Lead	23	3	mg/kg	6010
735263					

Professional Service Industries, Inc.
Hall-Kimbrell Division

May 7, 1991

Dave Cercone
Remcor c/o Union Wire Rope Co.
2100 Manchester Trafficway
Kansas City, MO 64126

Re: Analytical Result
#59303191-10436

Dear Mr. Cercone:

Enclosed is the analytical result for the one sample received on April 30, 1991. The sample was analyzed for TCLP lead and total lead. No analytical problems were encountered with the analysis of the sample and all associated QC samples were within criteria. Analytical results are summarized on the following page.

The sample is scheduled for disposal on May 17, 1991. If you would like additional analysis or would like the sample to be returned to you, please contact us as soon as possible.

If you need any more information regarding this data, please do not hesitate to contact me at (913) 865-9434. Thank you for using Professional Service Industries, Inc.

Sincerely,

Darla J. Paulsen
Inorganic Division Manager

DJP/crk

Encls.

Professional Service Industries, Inc.
Lawrence, Kansas

Remcor
90247
59303191-10436
May 7, 1991

CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD
04-29-243-PLE	TCLP Lead	0.64	0.03	mg/L	1311
735043	Total Lead	700	3	mg/kg	6010

Professional Service Industries, Inc.
Lawrence, Kansas

Remcor
90247
59303191-10487
May 8, 1991

CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD
05-09-231-BT 735370	Total Lead	257	3	mg/kg	6010 5C C-6

Professional Service Industries, Inc.
Hall-Kimbrell Division

May 13, 1991

Dave Cercone
Remcor
PO Box 38310, 701 Alpha Drive
Pittsburgh, PA 15238

Re: Analytical Results
#59303191-10507

Dear Mr. Cercone:

Enclosed are the analytical results for the two samples received on May 9, 1991. The samples were analyzed for total lead. No analytical problems were encountered with the analysis of the samples and all associated QC samples were within criteria. Analytical results are summarized on the following page.

Samples are scheduled for disposal on May 23, 1991. If you would like additional analysis or would like the samples to be returned to you, please contact us as soon as possible.

If you need more information regarding this data, please do not hesitate to contact me at (913) 865-9434. Thank you for using Professional Service Industries, Inc.

Sincerely,

Darla J. Paulsen
Inorganic Division Manager

DJP/crk

Encls.

4840 West 15th Street • Lawrence, KS 66049 • Phone: 913/749-2381

Professional Service Industries, Inc.
Lawrence, Kansas

Remcor
90247
59303191-10507
May 10, 1991

CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD
05-09-237-BT 735449	Total Lead	78	3	mg/kg	6010
05-09-238-BT 735450	Total Lead	78	3	mg/kg	6010

Professional Service Industries, Inc.
Hall-Kimbrell Division

May 13, 1991

Dave Cercone
Remcor
PO Box 38310, 701 Alpha Drive
Pittsburgh, PA 15238

Re: Analytical Results
#59303191-10495

Dear Mr. Cercone:

Enclosed are the analytical results for the five samples received on May 8, 1991. The samples were analyzed for total lead. No analytical problems were encountered with the analysis of the samples and all associated QC samples were within criteria. Analytical results are summarized on the following page.

Samples are scheduled for disposal on May 23, 1991. If you would like additional analysis or would like the samples to be returned to you, please contact us as soon as possible.

If you need more information regarding this data, please do not hesitate to contact me at (913) 865-9434. Thank you for using Professional Service Industries, Inc.

Sincerely,

Darla J Paulsen

Darla J. Paulsen
Inorganic Division Manager

DJP/crk

Encls.

4840 West 15th Street • Lawrence, KS 66049 • Phone: 913/749-2381

Professional Service Industries, Inc.
Lawrence, Kansas

Remcor
90247
59303191-10495
May 8, 1991

CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD
05-09-232-BT 735403	Total Lead	82	3	mg/kg	6010
03-10-233-BT 735404	Total Lead	71	3	mg/kg	6010
03-10-234-BT 735405	Total Lead	80	3	mg/kg	6010
10-11-235-BT 735406	Total Lead	71	3	mg/kg	6010
10-11-236-BT 735407	Total Lead	62	3	mg/kg	6010

Professional Service Industries, Inc.
Hall-Kimbrell Division

May 13, 1991

Dave Cercone
Remcor
PO Box 38310, 701 Alpha Drive
Pittsburgh, PA 15238

Re: Analytical Result
#59303191-10487

Dear Mr. Cercone:

Enclosed is the analytical result for the one sample received on May 7, 1991. The sample was analyzed for total lead. No analytical problems were encountered with the analysis of the sample and all associated QC samples were within criteria. Analytical results are summarized on the following page.

The sample is scheduled for disposal on May 23, 1991. If you would like additional analysis or would like the sample to be returned to you, please contact us as soon as possible.

If you need any more information regarding this data, please do not hesitate to contact me at (913) 865-9434. Thank you for using Professional Service Industries, Inc.

Sincerely,

Darla J Paulsen

Darla J. Paulsen
Inorganic Division Manager

DJP/crk

Encls.

4840 West 15th Street • Lawrence, KS 66049 • Phone: 913/749-2381

Professional Service Industries, Inc.
Lawrence, Kansas

Remcor
90247
59303191-10487
May 8, 1991

CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD	
05-09-231-BT 735370	Total Lead	257	3	mg/kg	6010	SC

Professional Service Industries, Inc.
Hall-Kimbrell Division

June 19, 1991

Dave Cercone
Remcor
PO Box 38310, 701 Alpha Drive
Pittsburgh, PA 15238

Re: Analytical Result
#59303191-10859

Dear Mr. Cercone:

Enclosed is the analytical result for the one sample received on June 18, 1991. The sample was analyzed for total lead. No analytical problems were encountered with the analysis of the sample and all associated QC samples were within criteria. Analytical results are summarized on the following page.

The sample is scheduled for disposal on June 29, 1991. If you would like additional analysis or would like the sample to be returned to you, please contact us as soon as possible.

If you need any more information regarding this data, please do not hesitate to contact me at (913) 865-9434. Thank you for using Professional Service Industries, Inc.

Sincerely,

Darla J Paulsen

Darla J. Paulsen
Inorganic Division Manager

DJP/crk

Encls.

Professional Service Industries, Inc.
Lawrence, Kansas

Remcor
90247
59303191-10859
June 19, 1991

CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD
6" 12-02-239-BT 736683	Total Lead	309	3	mg/kg	6010

Professional Service Industries, Inc.
Hall-Kimbrell Division

June 19, 1991

Dave Cercone
Remcor
PO Box 38310, 701 Alpha Drive
Pittsburgh, PA 15238

Re: Analytical Result
#59303191-10859

Dear Mr. Cercone:

Enclosed is the analytical result for the one sample received on June 18, 1991. The sample was analyzed for total lead. No analytical problems were encountered with the analysis of the sample and all associated QC samples were within criteria. Analytical results are summarized on the following page.

The sample is scheduled for disposal on June 29, 1991. If you would like additional analysis or would like the sample to be returned to you, please contact us as soon as possible.

If you need any more information regarding this data, please do not hesitate to contact me at (913) 865-9434. Thank you for using Professional Service Industries, Inc.

Sincerely,

Darla J Paulsen

Darla J. Paulsen
Inorganic Division Manager

DJP/crk

Encls.

Professional Service Industries, Inc.
Lawrence, Kansas

Remcor
90247
59303191-10859
June 19, 1991

CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD
12" 12-02-240-BT 736684	Total Lead	155	3	mg/kg	6010

Professional Service Industries, Inc.
Hall-Kimbrell Division

June 5, 1991

Dave Cercone
Remcor
PO Box 38310, 701 Alpha Drive
Pittsburgh, PA 15238

Re: Analytical Results
DDP Package for Lead
ARMCO-Union Wire Rope - 90247
59303191-10695-10696

Dear Mr. Cercone:

Enclosed please find the data deliverable package for lead analysis. Samples 06-01-173-BT and 12-01-197-BT did not duplicate within acceptable limits. Soil samples are difficult to uniformly homogenize. No other analytical problems were encountered with the analysis of your samples.

Samples are scheduled for disposal on May 23, 1991. If you would like additional analysis or would like the samples to be returned to you, please contact us as soon as possible.

If you need more information regarding this data, please do not hesitate to contact me at (913) 865-9434. Thank you for using Professional Service Industries, Inc.

Sincerely,

Darla J Paulsen

Darla J. Paulsen
Inorganic Division Manager

DJP/crk

Encls.

000001

4840 West 15th Street • Lawrence, KS 66049 • Phone: 913/749-2381

CHAIN OF CUSTODIES

CHAIN OF CUSTODY/LOG-IN RECORD

psi
4820 [illegible]
Lawrence, [illegible]
913-865-9455
Professional Service Industries, Inc.
Analytical Services Division

PROJECT NAME	REPORT TO: COMPANY NAME: Remcor	FOR LAB USE ONLY PSI PROJECT NAME: Remcor PSI PROJECT #: 54303191 PSI BATCH #: 10695
PROJECT NUMBER	PROJECT MANAGER: Dave Cercone	DATE / TIME: -various
PO NUMBER	ADDRESS: 701 Alpha Drive, PO Box 38310	CUSTODIAN: Darla Paulson
REQUIRED DUE DATE	CITY/STATE/ZIP: Pittsburg, PA ~~15238~~ 15238	COMMENTS: RELOG -CLP Package
VERBALS/FAX/MAIL/OVERNIGHT	TELEPHONE: 412/963-1106 FAX TELEPHONE: 412/967-5252	SEALS: Y / N

FOR LAB USE ONLY
ANALYTICAL DUE DATE: 6/5
INORGANIC SECT ____ ROW ____
ORGANIC SECT ____ ROW ____

RELINQUISHED BY	DATE / TIME	ACCEPTED BY

SAMPLE IDENTIFICATION	DATE / TIME	~~COMP~~ GRAB	MATRIX	LAB USE ONLY PSI NUMBER	NUMBER OF CONTAINERS	CLP-Lead
01-02-163-BT	4-9-91 / 1630	10284	SOIL	734182		X
01-03-168-BT	4-9-91 / 1705	10284	↓	734187		↓
02-08-177-BT	4-9-91 / 1710	10301		734232		
03-09-186-BT	4-15-91 / 0930	10323		734417		
04-08-195-BT	4-22-91 / 1630	10880		734642		
04-01-170-BT	4-9-90 / 1720	10284		734189		
06-01-173-BT	4-9-90 / 1745	10284	↓	734192		X

TURN-AROUND TIME: PRIORITY 1-2 WORKING DAYS | RUSH 3-5 WORKING DAYS | NORMAL 10 WORKING DAYS

ADDITIONAL REMARKS: 0000 3 JR 6/25

SAMPLER'S SIGNATURE

CHAIN OF CUSTODY/LOG-IN RECORD

psi
48[illegible] West Fifteenth Street
Lawrence, Kansas 66049
913-865-9435
Professional Service Industries, Inc.
Analytical Services Division

PROJECT NAME	REPORT TO: COMPANY NAME: Remcor	FOR LAB USE ONLY PSI PROJECT NAME: Remcor	
PROJECT NUMBER	PROJECT MANAGER: Dave Cerione	PSI PROJECT #: 51303191 PSI BATCH #: 10696	
PO NUMBER	ADDRESS: 701 Alpha Drive PO Box 38310	DATE / TIME: - VARIOUS	FOR LAB USE ONLY
		CUSTODIAN: Darla Paul	ANALYTICAL DUE DATE: 6/5
REQUIRED DUE DATE	CITY/STATE/ZIP: Pittsburg, PA 15238	COMMENTS: RELOG - CLP Package	INORGANIC SECT ____ ROW ____ ORGANIC SECT ____ ROW ____
VERBALS/FAX/MAIL/OVERNIGHT	TELEPHONE 412/963-1106 FAX TELEPHONE 412/967-5252	SEALS Y / N	

RELINQUISHED BY	DATE / TIME	ACCEPTED BY

SAMPLE IDENTIFICATION	DATE / TIME	~~COMP~~ PSI Batch # ~~GRAB~~	MATRIX	LAB USE ONLY PSI NUMBER	NUMBER OF CONTAINERS	CLP-Lead	PRIORITY 1-2 WORKING DAYS	RUSH 3-5 WORKING DAYS	NORMAL 10 WORKING DAYS
05-08-198-BT	5-1-91 / 1200	10452	SOIL	735182		X			
05-08-201-BT	/ 1220			735184					
06-08-209-BT	/ 1320			735190					
06-08-211-BT	/ 1340			735192					
08-05-194-BT	4-28-91 / 1100	10425		734980					
08-05-195-BT	/ 1105	10425		734979					
11-02-196-BT	/ 1300	10425		734981					
12-01-197-BT	/ 1115	10425		734982		X			

ANALYSIS REQUESTED

TURN-AROUND TIME

000004

ADDITIONAL REMARKS

CHAIN OF CUSTODY/LOG-IN RECORD

psi
4820 West Fifteenth Street
Lawrence, Kansas 66049
913-865-9435
Professional Service Industries, Inc.
Analytical Services Division

PROJECT NAME	REPORT TO: COMPANY NAME: Remcor	FOR LAB USE ONLY PSI PROJECT NAME: Remcor
PROJECT NUMBER	PROJECT MANAGER: David Cercone	PSI PROJECT #: 59303191 PSI BATCH #: 10284
PO NUMBER	ADDRESS	DATE / TIME: 4/8/91
REQUIRED DUE DATE	CITY/STATE/ZIP	CUSTODIAN
VERBALS/FAX/MAIL/OVERNIGHT	TELEPHONE FAX TELEPHONE	COMMENTS
		SEALS Y / N

FOR LAB USE ONLY
ANALYTICAL DUE DATE: 24 hr
INORGANIC SECT 1 ROW 3
ORGANIC SECT ___ ROW ___

RELINQUISHED BY	DATE / TIME	ACCEPTED BY

ANALYSIS REQUESTED

SAMPLE IDENTIFICATION	DATE / TIME	COMP GRAB	MATRIX	LAB USE ONLY PSI NUMBER	NUMBER OF CONTAINERS	Total Pb	PRIORITY 1-2 WORKING DAYS	RUSH 3-5 WORKING DAYS	NORMAL 10 WORKING DAYS
01-02-163-BT			Soil	734182	1	X			
01-02-164-BT				183					
01-02-165-BT				184					
01-02-166-BT				185					
01-03-167-BT				186					
01-03-168-BT				187					
04-01-169-BT				188					
04-01-170-BT				189					
05-01-171-BT				190					
05-01-172-BT				191					
06-01-173-BT				192					
06-01-174-BT				193					

ADDITIONAL REMARKS: 12 Samples

SAMPLER'S SIGNATURE

DP / KK / V / S

REMCOR

CHAIN OF CUSTODY RECORD № 2442

PROJECT NO.: 90247

PROJECT NAME: Armco - Union Wire Rope

SAMPLERS: David P. Cercone

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	TOTAL Pb						REMARKS
01-02-163-BT	4/7/91	1630		Grid 1A 0-6"	1	✓						Hall - Kimbrell
01-02-164-BT		1630		Grid 1A 6-12"	1	✓						Phone before
01-02-165-BT		1645		Grid 1B 0-6"	1	✓						faxing results
01-02-166-BT		1650		Grid 1B 6-12"	1	✓						to: (816) 242-3170
01-03-167-BT		1700		Grid 1C 0-6"	1	✓						24-Hour Turn
01-03-168-BT		1705		Grid 1C 6-12"	1	✓						
04-01-169-BT		1715		Grid 4F 0-6"	1	✓						
04-01-170-BT		1720		Grid 4F 6-12"	1	✓						
05-01-171-BT	000006	1730		Grid 5F 0-6"	1	✓						
05-01-172-BT		1735		Grid 5F 6-12"	1	✓						
06-01-173-BT		1745		Grid 6F 0-6"	1	✓						
06-01-174-BT		1750		Grid 6F 6-12"	1	✓						

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
David P Cercone	4/8/91 8:15am	Darla J Paulson			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

CHAIN OF CUSTODY/LOG-IN RECORD

psi
4820 West Fifteenth Street
Lawrence, Kansas 66049
913-865-9435
Professional Service Industries, Inc.
Analytical Services Division

PROJECT NAME: Armco-Union Wire Rope	REPORT TO: COMPANY NAME: Remcor	FOR LAB USE ONLY: PSI PROJECT NAME: Remcor	
PROJECT NUMBER: 90247	PROJECT MANAGER: Dave Cercone	PSI PROJECT #: 59303191; PSI BATCH #: 10301	
PO NUMBER:	ADDRESS:	DATE / TIME: 4/10/91 8:50AM	FOR LAB USE ONLY
		CUSTODIAN: Jan & Dorla	ANALYTICAL DUE DATE: 24 hr 4/11
REQUIRED DUE DATE:	CITY/STATE/ZIP:	COMMENTS:	INORGANIC Floor ORGANIC
			SECT ___ ROW ___ SECT ___ ROW ___
VERBALS/FAX/MAIL/OVERNIGHT:	TELEPHONE: FAX TELEPHONE:	SEALS: Y / N	
RELINQUISHED BY:	DATE / TIME:	ACCEPTED BY: Dallas J Parker	

ANALYSIS REQUESTED

SAMPLE IDENTIFICATION	DATE / TIME	COMP GRAB	MATRIX	LAB USE ONLY PSI NUMBER	NUMBER OF CONTAINERS	Total Lead	TCLP Lead	PRIORITY 1-2 WORKING DAYS	RUSH 3-5 WORKING DAYS	NORMAL 10 WORKING DAYS
02-07-175-BT	4/9 1650		SOIL	734230	1	X				
02-07-176-BT	4/9 1700		SOIL	734231	1	X				
02-08-177-BT	4/9 1710		SOIL	734232	1	X				
02-08-178-BT	4/9 1715		SOIL	734233	1	X				
02-08-179-BT	4/9 1730		SOIL	734234	1	X				
02-08-180-BT	4/9 1735		SOIL	734235	1	X				
04-09-198-PLE	4/9 1035		waste	734236	1	X	X			

ADDITIONAL REMARKS

000007

REMCOR

CHAIN OF CUSTODY RECORD № 2444

PROJECT NO.: 90247

PROJECT NAME: Armco-Union Wire Rope

SAMPLERS: David P Cercone.

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	TOTAL Pb	TCLP Pb					REMARKS
02-07-175-BT	4/9	1650	Soil	Grid 2A	1	✓	2	DPL				Phone BEFORE
02-07-176-BT	4/9	1700	Soil	Grid 2A	1	✓	2	DPL				FAXING RESULTS
												TO: (816) 242-3170
02-08-177-BT	4/9	1710	Soil	Grid 2B	1	✓	2	DPL				
02-08-178-BT	4/9	1715	Soil	Grid 2B	1	✓	2	DPL				24-HOUR TURN.
02-08-179-BT	4/9	1730	Soil	Grid 2C	1	✓	2	DPL				
02-08-180-BT	4/9	1735	Soil	Grid 2C	1	✓	2	DPL				
04-09-198-PLE	4/9	1635	Waste	Pile is in Grid 7E	1	✓	✓					
				Excavated from Grids 2A + 2B								

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
David P. Cercone	4/10/91 8:50	Darlin J Paulson			
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	

CHAIN OF CUSTODY/LOG-IN RECORD

psi
4820 West Fifteenth Street
Lawrence, Kansas 66049
913-865-9435
Professional Service Industries, Inc.
Analytical Services Division

PROJECT NAME: Armco-Union Wire Pipe	REPORT TO: COMPANY NAME	FOR LAB USE ONLY PSI PROJECT NAME: REMCOR
PROJECT NUMBER: 910247	PROJECT MANAGER	PSI PROJECT #: 59303191 PSI BATCH #: 110323 DATE / TIME: 4/15
PO NUMBER	ADDRESS	CUSTODIAN: Jan See
REQUIRED DUE DATE	CITY/STATE/ZIP	COMMENTS
VERBALS/FAX/MAIL/OVERNIGHT	TELEPHONE FAX TELEPHONE	SEALS: Y / (N)

FOR LAB USE ONLY
ANALYTICAL DUE DATE: 24 HR.
INORGANIC SECT 1 ROW 2 ORGANIC SECT ___ ROW ___

RELINQUISHED BY	DATE / TIME	ACCEPTED BY

ANALYSIS REQUESTED

SAMPLE IDENTIFICATION	DATE / TIME	COMP / GRAB	MATRIX	LAB USE ONLY PSI NUMBER	NUMBER OF CONTAINERS	TCLP Pb	TOTAL Pb
03-09-185 BT	4/12		Soil	734413		X	X
03-09-197 PLC	"			414		X	X
04-08-200 PLC	4/14			415		X	X
04-08-201 PLC	"			416		X	X
03-09-186-BT	4/15			417			X
06-12-187-BT				418			X
06-12-188-BT				419			X
05-12-189 BT				420			X
05-12-190 BT				421			X

TURN-AROUND TIME: PRIORITY 1-2 WORKING DAYS / RUSH 3-5 WORKING DAYS / NORMAL 10 WORKING DAYS

ADDITIONAL REMARKS

DP/4/1/5

REMCOR

CHAIN OF CUSTODY RECORD № 2452

PROJECT NO.: 90 247

PROJECT NAME: ARMCO-UNION WIRE ROPE

SAMPLERS: HARRY L OWENS

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	TCLP PB	TOTAL PB					REMARKS
												HALL - KIMB
03-09-185-BT	4/12	1545	SOIL	GRID 3B 6-12"	1	X	X					
03-09-197-PLC	4/12	1555	WASTE	DUPLICATE OF 03-09-198-PLC	1	X	X					
				EXCAVATED FROM GRID 3B								
04-08-200-PLC	4/14	0805	WASTE	GRID 4A-4B	1	X	X					PHONE BEFORE
				DUPLICATE OF 04-08-199-PLC								FAXING RESULTS
				PILED ALONG EAST OF FUEL DEPOT.								TO: (816) 242 3120
												24 HR TURN AROUND
04-08-201-PLC	4/14	1430	WASTE	GRID 4A-4B SCREENED MAT		X	X					
				DUPLICATE OF 04-08-202-PLC								
				PILE ON SE								
03-04-186-BT	4/15	0930	SOIL	GRID 3B 0-6"			X					

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
[signature]	4/15/91 1023				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY: [signature]	DATE/TIME 4/15/91 9:25	POSSIBLE HAZARD:	

CHAIN OF CUSTODY/LOG-IN RECORD

psi
4820 West Fifteenth Street
Lawrence, Kansas 66049
913-865-9435
Professional Service Industries, Inc.
Analytical Services Division

PROJECT NAME	REPORT TO: COMPANY NAME	FOR LAB USE ONLY PSI PROJECT NAME: REMCOR
PROJECT NUMBER	PROJECT MANAGER	PSI PROJECT: 59303191 PSI BATCH: 10380
PO NUMBER	ADDRESS	DATE / TIME: 4/23/91 CUSTODIAN: Jen See
REQUIRED DUE DATE	CITY/STATE/ZIP	COMMENTS
VERBALS/FAX/MAIL/OVERNIGHT	TELEPHONE FAX TELEPHONE	SEALS Y / N

FOR LAB USE ONLY
ANALYTICAL DUE DATE: 24 HR
INORGANIC SECT 1 ROW 3
ORGANIC SECT ___ ROW ___

RELINQUISHED BY	DATE / TIME	ACCEPTED BY

ANALYSIS REQUESTED

SAMPLE IDENTIFICATION	DATE / TIME	COMP GRAB	MATRIX	LAB USE ONLY PSI NUMBER	NUMBER OF CONTAINERS	TOTAL Pb	PRIORITY 1-2 WORKING DAYS	RUSH 3-5 WORKING DAYS	NORMAL 10 WORKING DAYS
04-08-191-BT	4/22		Soil	734638	1	X	X		
04-08-192-BT	↓		↓	639	1	X	X		
04-08-193-BT	↓		↓	640	1	X	X		
04-08-194-BT	↓		↓	641	1	X	X		
04-08-195-BT	↓		↓	642	1	X	X		
04-08-196-BT	↓		↓	643	1	X	X		

TURN-AROUND TIME

ADDITIONAL REMARKS

DP/KIV'J

G0001

REMCOR

CHAIN OF CUSTODY RECORD № 2464

PROJECT NO.: 90247

PROJECT NAME: ARMCO UNION WIRE ROPE

SAMPLERS: HARRY L OWENS

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	TOTAL PR						REMARKS
												HALL- KIMB.
04-08-191-BT	4/22	1600	SOIL	GRID 4-A-0"-6"	1	✓						
04-08-192-BT	4/22	1605	SOIL	GRID 4-A-6"-12"	1	✓						
												CALL BEFORE FAX
04-08-193-BT	4/22	1615	SOIL	GRID 4B-0"-6"	1	✓						INFO: 816 242 3170
04-08-194-BT	4/22	1620	SOIL	GRID 4B-6"-12"	1	✓						24 HR TURN.
04-08-195-BT	4/22	1630	SOIL	GRID 4C-0"-6"	1	✓						
04-08-196-BT	4/22	1635	SOIL	GRID 4C-6"-12"	1	✓						

000012

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
[signature]	4-23-91 0835				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY: [signature]	DATE/TIME 4/23/91 8:35	POSSIBLE HAZARD:	

CHAIN OF CUSTODY/LOG-IN RECORD

psi
4820 West Fifteenth Street
Lawrence, Kansas 66049
913-865-9435
Professional Service Industries, Inc.
Analytical Services Division

PROJECT NAME	REPORT TO: COMPANY NAME	FOR LAB USE ONLY PSI PROJECT NAME: REMCOR
PROJECT NUMBER	PROJECT MANAGER	PSI PROJECT #: 59303191 PSI BATCH #: 10425
PO NUMBER	ADDRESS	DATE / TIME: 4/29/91 9AM CUSTODIAN: Jan See
REQUIRED DUE DATE	CITY/STATE/ZIP	COMMENTS
VERBALS/FAX/MAIL/OVERNIGHT	TELEPHONE FAX TELEPHONE	SEALS: Y / (N)

FOR LAB USE ONLY
ANALYTICAL DUE DATE: 24 HR
INORGANIC SECT ___ ROW ___ ORGANIC SECT ___ ROW ___

RELINQUISHED BY	DATE / TIME	ACCEPTED BY

ANALYSIS REQUESTED

SAMPLE IDENTIFICATION	DATE / TIME	COMP GRAB	MATRIX	LAB USE ONLY PSI NUMBER	NUMBER OF CONTAINERS	TOTAL Pb HOLD	TCLP Pb EXTRACTION ONLY	CLP : DDP HOLD	PRIORITY 1-2 WORKING DAYS	RUSH 3-5 WORKING DAYS	NORMAL 10 WORKING DAYS
04-27-233-PLE			SOIL	734974	1	x	x		x		
04-27-235-PLC				975	1	x	x				
04-28-237-PLE				976	1	x	x				
04-28-239-PLF				977		x	x				
04-28-241-PLE				978	1	x	x				
08-05-195-BT				979	1	x		x			
08-05-194-BT				980		x		x			
11-02-196-BT				981		x		x			
12-01-197-BT				982		x		x			

TURN-AROUND TIME

ADDITIONAL REMARKS

DP/KK/V/J

REMCOR

CHAIN OF CUSTODY RECORD

№ 2475

PROJECT NO.: 90247

PROJECT NAME: Armco-Union Wire Rope

SAMPLERS: David P. Cercone

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	Total Pb	TCLP Pb		DDP Pack.			REMARKS
												Hall - Kim.
04-28-241-PLE	4/28	1630	Waste	Excavated from 6A+B Dup: 04-28-240-PLE	1	✓	✓					Phone before
				Pile is in Grid 3D.								faxing results
												to: (816) 242-3170
08-05-195-BT	4/28	1105	Soil	Grid 8F 0-6"	1	✓			✓			
08-05-194-BT	4/28	1100	Soil	Grid 8E 0-6"	1	✓			✓			
11-02-196-BT	4/28	1300	Soil	Grid 11D 0-6"	1	✓			✓			24-hour turn
12-01-197-BT	4/28	1115	Soil	Grid 12B 0-6"	1	✓			✓			

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
David P. Cercone	4/28/91 1631				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	
		[illegible]	4/29/91 9AM		

page 1 of 2

CHAIN OF CUSTODY/LOG-IN RECORD

psi
4820 West Fifteenth Street
Lawrence, Kansas 66049
913-865-9435
Professional Service Industries, Inc.
Analytical Services Division

PROJECT NAME	REPORT TO: COMPANY NAME	FOR LAB USE ONLY PSI PROJECT NAME: REMCOR
PROJECT NUMBER	PROJECT MANAGER	PSI PROJECT # 59303191 PSI BATCH # 10452
PO NUMBER	ADDRESS	DATE / TIME 5/2/91 CUSTODIAN Jan Sec
REQUIRED DUE DATE	CITY/STATE/ZIP	COMMENTS
VERBALS/FAX/MAIL/OVERNIGHT	TELEPHONE FAX TELEPHONE	SEALS Y / N

FOR LAB USE ONLY
ANALYTICAL DUE DATE 24 HR
INORGANIC SECT 1 ROW 1
ORGANIC SECT ___ ROW ___

RELINQUISHED BY	DATE / TIME	ACCEPTED BY

ANALYSIS REQUESTED

SAMPLE IDENTIFICATION	DATE / TIME	COMP GRAB	MATRIX	LAB USE ONLY PSI NUMBER	NUMBER OF CONTAINERS	TOTAL Pb	DDP Package (CLP)	PRIORITY 1-2 WORKING DAYS	RUSH 3-5 WORKING DAYS	NORMAL 10 WORKING DAYS
05-08-198-BT	5/1/91		Soil	735182		X	X			
05-08-199-BT				183						
05-08-201-BT				184			X			
05-08-202-BT				185						
05-08-204-BT				186						
05-08-205-BT				187						
06-08-207-BT				188						
06-08-208-BT				189						
06-08-209-BT				190			X			
06-08-210-BT				191						
06-08-211-BT				192			X			
06-08-212-BT				193						

ADDITIONAL REMARKS

DP/KK/V/J

000015

REMCOR

CHAIN OF CUSTODY RECORD № 2478

PROJECT NO.: 70247

PROJECT NAME: UNION WIRE ROPE

SAMPLERS: HARRY L OWENS

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS		TOTAL PK.	DDT Package				REMARKS
05-08-198-BT	5/1/91	1200	SOIL	GRID 5A 0"-6"	1		✓	✓				HAIL- KIMB
05-08-199-BT	5/1/91	1210	SOIL	GRID 5A 6"-12"	1		✓					
05-08-200-BT	5/1/91	1220	SOIL	GRID 5B 0"-6"	1		✓	✓				
05-08-202-BT	5/1/91	1230	SOIL	GRID 5B 6"-12"	1		✓					CALL BEFORE
05-08-204-BT	5/1/91	1240	SOIL	GRID 5C 0"-6"	1		✓					FAXING INFO
05-08-205-BT	5/1/91	1250	SOIL	GRID 5C 6"-12"	1		✓					816 842 3170
06-08-207-BT	5/1/91	1300	SOIL	GRID 6A 0"-6"	1		✓					"24 HR TURN.
06-08-208-BT	5/1/91	1310	SOIL	GRID 6A 6"-12"	1		✓					
06-08-209-BT	5/1/91	1320	SOIL	GRID 6B 0"-6"	1		✓	✓				
06-08-210-BT	5/1/91	1330	SOIL	GRID 6B 6"-12"	1		✓					
06-08-211-BT	5/1/91	1340	SOIL	GRID 6C 0"-6"	1		✓	✓				
06-08-212-BT	5/1/91	1350	SOIL	GRID 6C 6"-12"	1		✓					

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY: [signature]	DATE/TIME 5-2-91 0940	RECEIVED FOR LAB BY: [signature]	DATE/TIME 5-2-91 9:45	POSSIBLE HAZARD:	

000070

SAMPLE RESULTS
&
QC FORMS

Professional Service Industries, Inc.
Lawrence, KS

Remcor
Amoco-Union Wire Rope
90247
59303191-10695 , 10696

Lead -- Analyzed by ICP
Method 6010
All results in mg/kg dry weight
ICP Interelement corrections were applied
ICP background corrections were applied before generation of raw data

Client # Lab #	Date Received	Analyte	Concentration	% Solids	Flags
01-02-163-BT 734182	4-08-91	Lead	16	76.9	*
01-03-168-BT 734187	4-08-91	Lead	19	78	*
02-08-177-BT 734232	4-10-91	Lead	11	78.8	*
03-09-186-BT 734417	4-15-91	Lead	24	83.8	*
04-08-195-BT 734642	4-23-91	Lead	17	83.2	*
04-01-170-BT 734189	4-08-91	Lead	17	80.9	*
06-01-173-BT 734192	4-08-91	Lead	572	80.6	*
05-08-198-BT 735182	5-02-91	Lead	13	81.2	
05-08-201-BT 735184	5-02-91	Lead	71	85.2	
06-08-209-BT 735190	5-02-91	Lead	16	80.7	
06-08-211-BT 735192	5-02-91	Lead	17	82.3	
08-05-194-BT 734980	4-29-91	Lead	146	81.6	*
08-05-195-BT 734979	4-29-91	Lead	43	62.5	*
11-02-196-BT 734981	4-29-91	Lead	159	77.9	*
12-01-197-BT 734982	4-29-91	Lead	1066	68.4	*

Initial and Continuing Calibration Summary

Method Numbers:
ICP: 6010

Analyte	IDL (ug/L)	True (ug/L)	Initial(ICV) (ug/L)	% Rec.	Cont.(CCV) (ug/L)	% Rec.	Cont.(CCV) (ug/L)	% Rec.	Cont.(CCV) (ug/L)	% Rec.
ICP:										
Lead	30	1000	952	95.20	959	95.90	994	99.40	970	97.00

Initial and Continuing Calibration Summary

Method Numbers:
ICP: 6010

Analyte	IDL (ug/L)	True (ug/L)	Initial(ICV) (ug/L)	% Rec.	Cont.(CCV) (ug/L)	% Rec.	Cont.(CCV) (ug/L)	% Rec.	Cont.(CCV) (ug/L)	% Rec.
ICP:										
Lead	30	1000	932	93.20	0	0.00	0	0.00	0	0.00

CRDL Standard for ICP
(CRI)

Method: 6010

Analyte	TRUE (ug/L)	Initial Found (ug/L)	%R	Final Found (ug/L)	%R
Lead	60	56.3	93.83	68.2	113.7

Initial and Continuing Calibration Blank Summary

Method Numbers:
ICP: 6010

Analyte	IDL (ug/L)	Initial(ICB) (ug/L)	Cont.(CCB) (ug/L)	Cont.(CCB) (ug/L)	Prep Blank (mg/kg)
ICP:					
Lead	30	<30	<30	<30	< 3

Initial and Continuing Calibration Blank Summary

Method Numbers:
ICP: 6010

Analyte	IDL (ug/L)	Initial(ICB) (ug/L)	Cont.(CCB) (ug/L)	Cont.(CCB) (ug/L)	Prep Blank (mg/kg)
ICP:					
Lead	30		<30		< 3

Initial and Continuing Calibration Blank Summary

Method Numbers:
ICP: 6010

Analyte	IDL (ug/L)	Initial(ICB) (ug/L)	Cont.(CCB) (ug/L)	Cont.(CCB) (ug/L)	Prep Blank (mg/kg)
ICP:					
Lead	30				< 3

Interference Check Sample Summary
(ICS)

Method: 6010

Analyte	True (ug/L)		Initial Found (ug/L)			Final Found (ug/L)		
	Sol. A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Aluminum	500000	500000	511200	514100	102.8	508100	509600	101.9
Antimony								
Arsenic								
Barium		500		510.9	102.2		502.6	100.5
Beryllium				581			572.9	
Cadmium		1000		994.9	99.49		999.6	99.96
Calcium	500000	500000	457400	461500	92.3	453800	452900	90.58
Chromium		500		469.3	93.86		460.9	92.18
Cobalt		500		465.9	93.18		456	91.2
Copper		500		456.9	91.38		446	89.2
Iron	200000	200000	181600	182500	91.25	179700	179000	89.5
Lead		1000		850.8	85.08		830	83
Magnesium	500000	500000	507900	512700	102.5	500900	503700	100.7
Manganese		500		386.9	77.38		387.3	77.46
Nickel		1000		924.6	92.46		895.7	89.57
Potassium								
Selenium								
Silver		1000		954.4	95.44		943.4	94.34
Sodium								
Thallium								
Vanadium		500		524.5	104.9		516.5	103.3
Zinc		1000		951.6	95.16		935.3	93.53

Spike Analysis Summary

Client #: 12-01-197-BT
Lab#: 734982

Matrix: Soil

Method Numbers:
ICP: 6010

Analyte	Control Limit %R	Sample Result (mg/kg)	Spike Result (mg/kg)	Spike Added	Spike % Rec.
Lead	NA	1066.2	656.3	48.73	-841.17

Spike Analysis Summary

Client #: 06-08-209-BT
Lab#: 735190

Matrix: Soil

Method Numbers:
ICP: 6010

Analyte	Control Limit %R	Sample Result (mg/kg)	Spike Result (mg/kg)	Spike Added	Spike % Rec.
Lead	75-125	15.79	56.86	41.33	99.37

Spike Analysis Summary

Client #: 06-01-173-BT
Lab#: 734192

Matrix: Soil

Method Numbers:
ICP: 6010

Analyte	Control Limit %R	Sample Result (mg/kg)	Spike Result (mg/kg)	Spike Added	Spike % Rec.
Lead	NA	571.6	590	41.33	44.52

Post Digest Spike Analysis Summary

Client #: 12-01-197-BT
Lab#: 734982

Matrix: Soil

Method Numbers:
ICP: 6010

Analyte	Control Limit %R	Sample Result (mg/kg)	Spike Result (mg/kg)	Spike Added	Spike % Rec.
Lead	NA	1066	1940	974.7	89.67

Post Digest Spike Analysis Summary

Client #: 06-01-173-BT
Lab#: 734192

Matrix: Soil

Method Numbers:
ICP: 6010

Analyte	Control Limit %R	Sample Result (mg/kg)	Spike Result (mg/kg)	Spike Added	Spike % Rec.
Lead	NA	571.6	1365	826.7	95.97

Professional Services Industries, Inc.
Hall-Kimbrell Division

Remcor
90247
59303191-910206-01
February 7, 1991

CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD
02-05-148-PLE	Total Lead	5789	3	mg/kg	6010
732485	TCLP Lead	12.87	0.03	mg/L	1311

From the office of

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON
P. O. BOX 8586
A.C. 913—648-2303
KANSAS CITY, MISSOURI 64114

Ferbruary 12, 1991

John S. Evan
Remcor

Dear Mr. Evan:

One individual soil sample was received at KCTL on 2-11-91 (KCTL Job 8020-91-2004; C1332). The detection limit for TCLP lead was 0.1 mg/L, and the detection limit for the total lead was 50 mg/kg.

Sample	TCLP Lead	Total Lead
02-08-149-PLE	5.3 mg/L	6809 mg/kg

Sincerely,

Sam Ferro

Sam Ferro
Laboratory Manager

SF:op

From the office of

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON
P. O. BOX 8586
A.C. 913—648-2303
KANSAS CITY, MISSOURI 64114

Ferbruary 5, 1991

John S. Evan
Remcor

Dear Mr. Evan:

One individual soil sample was received at KCTL on 2-5-91 (KCTL Job 8020-91-2004; C1315). The detection limit for TCLP lead was 0.1 mg/L, and the detection limit for the total lead was 100 mg/kg.

Sample	TCLP Lead	Total Lead
02-04-146-PLE	3.1 mg/L	6595 mg/kg

Sincerely,

Sam Ferro

Sam Ferro
Laboratory Manager

SF:op

From the office of

KANSAS CITY TESTING LABORATORY

1669 JEFFERSON
P. O. BOX 8586

A.C. 913—648-2303
KANSAS CITY, MISSOURI 64114

Ferbruary 6, 1991

John S. Evan
Remcor

Dear Mr. Evan:

One individual soil sample was received at KCTL on 2-5-91 (KCTL Job 8020-91-2004; C1318). The detection limit for TCLP lead was 0.1 mg/L, and the detection limit for the total lead was 100 mg/kg.

Sample	TCLP Lead	Total Lead
02-05-147-PLF	24.1 mg/L	17630 mg/kg

Sincerely,

Sam Ferro

Sam Ferro
Laboratory Manager

SF:op

Professional Service Industries, Inc.
Hall-Kimbrell Division

February 4, 1991

John Evan
Remcor Inc.
701 Alpha Drive, PO Box 38310
Pittsburgh, PA 15238

Re: Analytical Results
#59303191-910122-01

Dear Mr. Evan:

Enclosed are the analytical results for the twelve samples received on January 22, 1991. The samples were analyzed for total lead and TCLP lead. No analytical problems were encountered with the analysis of the samples and all associated QC samples were within criteria. Analytical results are summarized on the following page.

Samples are scheduled for disposal on February 14, 1991. If you would like additional analysis or would like the samples to be returned to you, please contact us as soon as possible.

If you need more information regarding this data, please do not hesitate to contact me at (913) 865-9434. Thank you for using Professional Service Industires, Inc.

Sincerely,

Darla J Paulsen

Darla J. Paulsen
Inorganic Division Manager

DJP/crk

Encls.

4840 West 15th Street • Lawrence, KS 66049 • Phone: 913/749-2381

Professional Services Industries, Inc.
Hall-Kimbrell Division

Remcor
90247 Union Wire Rope
59303191-910122-01
February 4, 1991

CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD	
06-07-062-BT 732110	Total Lead	113	3	mg/kg	6010	GR10 6E
06-07-063-BT 732111	Total Lead	1955	3	mg/kg	6010	6E
07-07-064-BT 732112	Total Lead	15	3	mg/kg	6010	7E
07-07-065-BT 732113	Total Lead	30	3	mg/kg	6010	7E
07-07-066-BT 732114	Total Lead	63	3	mg/kg	6010	
07-07-067-BT 732115	Total Lead	62	3	mg/kg	6010	7F
08-07-068-BT 732116	Total Lead	177	3	mg/kg	6010	8E
08-07-069-BT 732117	Total Lead	202	3	mg/kg	6010	8E
08-07-070-BT 732118	Total Lead	587	3	mg/kg	6010	8F
08-07-071-BT 732119	Total Lead	518	3	mg/kg	6010	8F
02-03-001-DDP	Total Lead	285	3	mg/kg	6010	
732120	TCLP Lead	0.37	0.03	mg/L	1311	
04-06-002-DDP	Total Lead	26	3	mg/kg	6010	
732121	TCLP Lead	< 0.03	0.03	mg/L	1311	

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON
A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

January 23, 1991

John S. Evan
Remcor

Dear Mr. Evan:

One individual soil sample was received at KCTL on 1-22-91 (KCTL Job 8020-91-2004; C1291). The detection limit for TCLP lead was 0.1 mg/L, and the detection limit for the total lead was 100 mg/kg.

Sample	TCLP Lead	Total Lead
01-22-~~142~~ 145-P1F	23.8 mg/L	25351.9 mg/kg

Sincerely,

Sam Ferro

Sam Ferro
Laboratory Manager

SF:op

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON
A.C. 816-842-7550
KANSAS CITY, MISSOURI 64108

January 23, 1991

John S. Evan
Remcor

Dear Mr. Evan:

One individual soil sample was received at KCTL on 1-22-91 (KCTL Job 8020-91-2004; C1291). The detection limit for TCLP lead was 0.1 mg/L, and the detection limit for the total lead was 100 mg/kg.

Sample	TCLP Lead	Total Lead
01-22-~~142~~ 195-P1F	23.8 mg/L	25351.9 mg/kg

Sincerely,

Sam Ferro

Sam Ferro
Laboratory Manager

SF:op

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON A.C. 816-842-7350
KANSAS CITY, MISSOURI 64108

January 15, 1991

John S. Evan
Remcor

Dear Mr. Evan:

One soil sample was received on 1-14-91 for total Lead and TCLP lead analysis (KCTL Job No. 8020-91-2004: C1264). The results are listed in the table below. The detection limit for TCLP lead was 0.1 mg/L, and the detection limit for the total lead was 100 mg/kg.

Sample	TCLP Lead	Total Lead
01-14-141 PLF	44 mg/L	26775 mg/kg

Sincerely,

Sam Ferro
op

Sam Ferro
Laboratory Manager

SF:op

From the office of

KANSAS CITY TESTING LABORATORY

1669 JEFFERSON
P. O. BOX 8586

A.C. 913—648-2303
KANSAS CITY, MISSOURI 64114

January 21, 1991

John S. Evan
Remcor

Dear Mr. Evan:

Three individual soil samples were received at KCTL on 1-16, 1-17, and 1-18-91 for total Lead and TCLP lead analysis (KCTL Job No. 8020-91-2004; C1275, C1278, and C1279). These results have been previously reported to you verbally. This report list the results for all three samples. The detection limit for TCLP lead was 0.1 mg/L, and the detection limit for the total lead was 100 mg/kg.

Sample	TCLP Lead	Total Lead
01-16-142-~~PLE~~ PLF	38 mg/L	2720 mg/kg
01-17-143-PLE	13 mg/L	22050 mg/kg
01-18-144-PLE	7 mg/L	9135 mg/kg

Sincerely,

Sam Ferro

Sam Ferro
Laboratory Manager

SF:op

January 11, 1991

John S. Evan
Remcor

Dear Mr. Evan:

One soil sample was received on 1-9-91 for total Lead and TCLP lead analysis (KCTL Job No. 8020-91-2004: C1252). The results are listed in the table below. The detection limit for TCLP lead was 0.1 mg/L, and the detection limit for the total lead was 100 mg/kg.

Sample	TCLP Lead	Total Lead
01-09-[redacted] PLE	20 mg/L	6200 mg/kg

140

Sincerely,

Sam Ferro

Sam Ferro
Laboratory Manager

SF:op

CHEMICAL DIVISION

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON
A.C. 816-842-7500
KANSAS CITY, MISSOURI 64108

January 15, 1991

John S. Evan
Remcor

Dear Mr. Evan:

One soil sample was received on 1-14-91 for total Lead and TCLP lead analysis (KCTL Job No. 8020-91-2004: C1264). The results are listed in the table below. The detection limit for TCLP lead was 0.1 mg/L, and the detection limit for the total lead was 100 mg/kg.

Sample	TCLP Lead	Total Lead
01-14-141 PLF	44 mg/L	26775 mg/kg

Sincerely,

Sam Ferro
op

Sam Ferro
Laboratory Manager

SF:op

essional Services Industries, Inc.
Kimbrell Division

:or
/ Union Wire Rope
3191-910109-01
ary 10, 1991

CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD	
01-08-~~134~~ 136 PLE	TCLP Lead	2.24	0.03	mg/L	7421	
731943	Total Lead	1435	3	mg/kg	6010	
11-05-058-BT	Total Lead	149	3	mg/kg	6010	GRID
731944						
. . -05-059-BT	Total Lead	119	3	mg/kg	6010	GRID
731945						
12-05-060-BT	Total Lead	36.1	3	mg/kg	6010	
731946						
12-05-061-BT	Total Lead	16.4	3	mg/kg	6010	
731947						

Professional Services Industries, Inc.
Hall-Kimbrell Division

Remcor
90241 Union Wire Rope
59303191-910110-01
January 11, 1991

CLIENT# (LAB#)	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD
01-09-133 PLE	TCLP Lead	20.6	0.03	mg/L	7421
731963	Total Lead	11200	3	mg/kg	6010
01-09-139 PLE	TCLP Lead	2.05	0.03	mg/L	7421
731964	Total Lead	3560	3	mg/kg	6010

From the office of

KANSAS CITY TESTING LABORATORY
1669 JEFFERSON
P. O. BOX 8526
A.C. 913—648-2303
KANSAS CITY, MISSOURI 64114

John S. Evan
Remcor

1-8-91

Dear Mr. Evan

One soil sample was received on 1-7-91 for total lead and TCLP lead analysis (KCTL Job No. 8020-91-2004; C1244). The results are listed in the table below. The detection limit for TCLP lead was 2 mg/L, and the detection limit for the total lead was 0.05 mg/kg.

Sample	TCLP lead	Total lead
0'-07-[redacted]-PLE 135	2.5 mg/L	1470 mg/kg

Sincerely,

Sam Ferro

Sam Ferro
Laboratory Manager

From the office of

KANSAS CITY TESTING LABORATORY

1669 JEFFERSON
P. O. BOX 8586

A.C. 913—648-2303
KANSAS CITY, MISSOURI 64114

John S. Evan
Remcor

1-9-91

Dear Mr. Evan

One soil sample was received on 1-8-91 for total lead and TCLP lead analysis (KCTL Job No. 8020-91-2004; C1250). The results are listed in the table below. The detection limit for TCLP lead was 2 mg/L, and the detection limit for the total lead was 0.05 mg/kg.

Sample	TCLP lead	Total lead
01-08-~~135~~ 137-PLE	3.3 mg/L	3035 mg/kg

Sincerely,

Sam Ferro

Sam Ferro
Laboratory Manager

Duplicate Analysis Summary

Client #: 12-01-197-BT
Lab#: 734982

Matrix: Soil

Method Numbers:
ICP: 6010

Analyte	Detection Limit (mg/kg)	Sample Result (mg/kg)	Duplicate Result (mg/kg)	R.P.D. %	Mean
Lead	3	1066	640.2	49.91 *	853

Duplicate Analysis Summary

Client #: 06-08-209-BT
Lab#: 735190

Matrix: Solid

Method Numbers:
ICP: 6010

Analyte	Detection Limit (mg/kg)	Sample Result (mg/kg)	Duplicate Result (mg/kg)	R.P.D. %	Mean
Lead	3	15.79	17.52	-10.39	17

Duplicate Analysis Summary

Client #: 06-01-173-BT
Lab#: 734192

Matrix: Soil

Method Numbers:
ICP: 6010

Analyte	Detection Limit (mg/kg)	Sample Result (mg/kg)	Duplicate Result (mg/kg)	R.P.D. %	Mean
Lead	3	571.6	444.9	24.93 *	508

Soil Laboratory Control Sample

Method Numbers:
ICP: 6010
GFAA:
CVAA: 7471

Sample Name: ERA Soil
Lot#: 209

Analyte	Detection Limit (mg/kg)	Result (mg/kg)	Range(mg/kg) Low	High	True Value (mg/kg)	Recovery
ICP:						
Lead	3	84	41	99	82	102.44

Soil Laboratory Control Sample

Method Numbers:
ICP: 6010
GFAA:
CVAA: 7471

Sample Name: ERA Soil
Lot#: 209

Analyte	Detection Limit (mg/kg)	Result (mg/kg)	Range(mg/kg) Low	High	True Value (mg/kg)	Recover
ICP:						
Lead	3	82.95	41	99	82	101.16

Soil Laboratory Control Sample

Method Numbers:

ICP: 6010

GFAA:

CVAA: 7471

Sample Name: ERA Soil

Lot#: 209

Analyte	Detection Limit (mg/kg)	Result (mg/kg)	Range(mg/kg) Low	High	True Value (mg/kg)	Recover
ICP:						
Lead	3	87.72	41	99	82	106.98

ICP Serial Dilution Summary

Client #: 08-05-195-BT
Lab#: 734979

Matrix: Soil

Method Numbers:
ICP: 6010

Analyte	Initial Result (ug/L)	Serial Dilution Result (ug/L)	% Diffrence	QC Flag
Lead	402.9	466.2	-15.71	

ICP Serial Dilution Summary

Client #: 05-08-198-BT
Lab#: 735182

Matrix: Soil

Method Numbers:
ICP: 6010

Analyte	Initial Result (ug/L)	Serial Dilution Result (ug/L)	% Diffrence	QC Flag
Lead	154.6	143.5	7.18	U

ICP Serial Dilution Summary

Client #: 01-02-163-BT
Lab#: 734182

Matrix: Soil

Method Numbers:
ICP: 6010

Analyte	Initial Result (ug/L)	Serial Dilution Result (ug/L)	% Diffrence	QC Flag
Lead	183.6	200.8	-9.37	

Instrument Detection Limits
(IDL)

Analyte	Wvelgth. (nm)	I.D.L.'s ICP (ug/L)	I.D.L.'s GFAA/CVA (ug/L)	C.R.D.L.'S ICP (ug/L)
Aluminum	308.2	60		200
Antimony	206.8	40		60
Arsenic	193.6	40	2	10
Barium	493.4	1		200
Beryllium	313	1		5
Cadmium	249.6	2		5
Calcium	228.8	45		5000
Chromium	267.7	2		10
Cobalt	228.6	3		5
Copper	324.7	4		25
Iron	259.9	100		100
Lead	220.3	30	1	30
Magnesium	279	15		75
Manganese	257.6	1		1
Mercury	435.8		0.2	0.2
Nickel	231.6	7		40
Potassium	766.4	500		5000
Selenium	196	35	1	5
Silver	328	3		10
Sodium	588.9	22		5000
Thallium	190.8	30	4	10
Vanadium	292.4	1		50
Zinc	213.8	2		20

Linear Range Check Standard
(Analyzed Quarterly)

Date Of Analysis: 5/7/91

Method Numbers:
ICP: 6010

Analyte	Wvelgth. (nm)	Integration Time(sec.)	Concentration (ug/L) True	Found	%R
Aluminum	308.2	5	1000000	1114000	111.40
Antimony	206.8	5	1000000	965700	96.57
Arsenic	193.6	5	100000	93030	93.03
Barium	493.4	5	100000	104300	104.30
Beryllium	313	5	100000	101000	101.00
Cadmium	249.6	5	250000	270500	108.20
Calcium	228.8	5	2500000	2208000	88.32
Chromium	267.7	5	1000000	992600	99.26
Cobalt	228.6	5	500000	508500	101.70
Copper	324.7	5	100000	102500	102.50
Iron	259.9	5	1750000	1374000	78.51
Lead	220.3	5	1000000	1077000	107.70
Magnesium	279	5	1000000	1120000	112.00
Manganese	257.6	5	100000	103100	103.10
Nickel	231.6	5	250000	247500	99.00
Potassium	766.4	5	10000000	10200000	102.00
Selenium	196	5	250000	241700	96.68
Silver	328	5	100000	111200	111.20
Sodium	588.9	5	2500000	9677000	387.08
Thallium	190.8	5	100000	99790	99.79
Vanadium	292.4	5	250000	333400	133.36
Zinc	213.8	5	250000	247200	98.88

INTERELEMENT CORRECTION FACTORS

STATUS INFORMATION **

sion: [illegible].0
Date Created: 10/19/90 11:00 Date Last Updated: 06/05/91 09:12

Number of elements: 30 Number of lines: 30

# of lines calibrated: 1 01/16/91 11:09 - 01/16/91 11:09
# of lines standardized: 30 06/05/91 08:46 - 06/05/91 08:46

Data collection mode: Spectrum Shifter (3 positions)

Approx. time for analysis 1.9 mins.

Protection status: Un-protected

METHOD INFORMATION **

Sample Introduction Device: Normal
Calibration Mode: Concentration

Default Setup:

Number of Repeats : 4
Flush Time (sec) : 30.0
Auto-Increment Sample Names? No

Default File Names:

Analysis Data File	: ANADATA	Autosampler Table	: AUTOTAB
		Sample Limits Table	: LCTAB
Calibration Data File	: CALDATA	Blank Limits Table	: BLCTAB
Calibration Stds Table	: CALSTDS	QC Check Table	: QCTAB

INTERNAL STANDARDS INFORMATION **

#	Elem Symbol	Wavelength	Pre-integration	Integration	Used?
1	Y	371.000	0	7.0	Yes

Ratio Constant/Intensity Multiplication Factor: 1
Internal Standard Spectrum Shifter Peak offset: 0

Bkg Mtd (-): Wavelength
High Offset: 0
Low Offset: 0

#	Elem Symbol	Wavelength	Pre-integration	Integration	Used?
2	Time		0	5.0	No

Ratio Constant/Intensity Multiplication Factor: 1

#	Elem Symbol	Wavelength	Pre-integration	Integration	Used?
3	Time		0	5.0	No

Ratio Constant/Intensity Multiplication Factor: 1

#	Elem Symbol	Wavelength	Pre-integration	Integration	Used?
4	Time		0	5.0	No

Ratio Constant/Intensity Multiplication Factor: 1

	Elem Symbol	Wavelength	Pre-integration	Integration	Used?
5	Time		0	5.0	No

Ratio Constant/Intensity Multiplication Factor: 1

#	Elem Symbol	Wavelength	Pre-integration	Integration	Used?
6	Time		0	5.0	No

Ratio Constant/Intensity Multiplication Factor: 1

#	Elem Symbol	Wavelength	Pre-integration	Integration	Used?
7	Time		0	5.0	No

Ratio Constant/Intensity Multiplication Factor: 1

OUTPUT INFORMATION **

tput Mode: Concentration
Override Print Limits? Yes
Override Significant Figures? No
Apply Background Correction? Yes
Apply Blank Subtraction? No
Limits Table: LCTAB Check? No
Correction Factor: 1

Auto-print data? No
Condensed report format? Yes
Auto-store data? Yes
Store individual repeats? Yes

Report to:
Screen Avgs, Stats, Reps, Errs, Units, Int.Stds
Printer Avgs, Stats, Errs, Units

PLASMA INFORMATION **

Gas Flow
Torch gas : High Flow
Auxiliary gas flow : Medium (1.0 L/min)
Nebulizer Press. (PSI): 30

wer
Approximate RF Power (W): 1150

Peristaltic Pump Parameters
Analysis Pump Rate (RPM): 100
Flush Pump Rate (RPM): 200
Relaxation time (sec): 10
Pump Tubing type : EP-19

Element:	Al	Sb	As	Ba	Be
Wavelength:	308.215	206.838	193.696	493.409	313.042
Element Name:	Al3082	Sb2068	As1936	Ba4934	Be3130
Line Switch Conc:	0	0	0	0	0
Peak SS Offset:	0	0	0	0	0
Timing Group No.:	1	1	1	1	1
Print Limit Low:	0	0	0	0	0
Print Limit High:	0	0	0	0	0
Significant Figrs:	4	4	4	4	4
Print Units:	ppm	ppm	ppm	ppm	ppm
BKG Low SS Offset:	-17	-17	NONE	-17	-17
BKG High SS Offset:	NONE	NONE	15	NONE	NONE
BKG Element Name:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
BKG Factor:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
Stdz. Method:	2pt Uncalib	2pt Uncalib	2pt Uncalib	2pt Uncalib	2pt Uncalib
Std #1 (High) Name:	STD3	STD4	STD4	STD4	STD3
Conc/Sig:	20	10	10	10	10
Std #2 (Low) Name:	STD1-Blank	STD1-Blank	STD1-Blank	STD1-Blank	STD1-Blank
Conc/Sig:	0	0	0	0	0
Std #3 Name:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
Conc:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
Std #4 Name:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
Conc:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
Std #5 Name:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
Conc:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
Y - intercept:	.424897	.0192378	.0185709	0	.00607094
Slope:	11.4207	78.9967	34.2448	6.36384	13.3928
Date Standardized:	06/05/91	06/05/91	06/05/91	06/05/91	06/05/91
Time Standardized:	08:46	08:46	08:46	08:46	08:46
Offset (A0):	0	0	0	0	0
Gain (A1):	1	1	1	1	1
Curvature (A2):	0	0	0	0	0
Exponent (n):	1	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE	NONE
Date of Fit:	NO FIT	NO FIT	NO FIT	NO FIT	NO FIT
Time of Fit:					
Use IECs:	YES	YES	YES	YES	YES
Number of IECs:	3	2	3	0	0

Affecting Element:	Fe2599	Fe2599	Fe2599	--n/a--	--n/a--
k1 factor:	.000013	-.00207	.001436	--n/a--	--n/a--
k2 factor:	0	0	0	--n/a--	--n/a--
use?:	YES	YES	YES	--n/a--	--n/a--
Affecting Element:	Mg2790	Al3082	Al3082	--n/a--	--n/a--
k1 factor:	.000166	.00009	.008666	--n/a--	--n/a--
k2 factor:	0	0	0	--n/a--	--n/a--
use?:	YES	YES	YES	--n/a--	--n/a--
Affecting Element:	Ca3179	--n/a--	Mg2790	--n/a--	--n/a--
k1 factor:	.000188	--n/a--	-.00014	--n/a--	--n/a--
k2 factor:	0	--n/a--	0	--n/a--	--n/a--
use?:	YES	--n/a--	NO	--n/a--	--n/a--

Element:	B	Ca	Cd	Cr	Co
Wavelength:	249.678/2	317.933	228.802/2	267.716	228.616
Element Name:	B_2496	Ca3179	Cd2288	Cr2677	Co2286
Line Switch Conc:	0	0	0	0	0
Peak SS Offset:	0	0	0	0	0
Timing Group No.:	1	1	1	1	1
int Limit Low:	0	0	0	0	0
Print Limit High:	0	0	0	0	0
Significant Figrs:	4	4	4	4	4
Print Units:	ppm	ppm	ppm	ppm	ppm
BKG Low SS Offset:	NONE	-17	-17	-17	-17
BKG High SS Offset:	15	NONE	NONE	NONE	NONE
BKG Element Name:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
BKG Factor:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
Stdz. Method:	2pt Uncalib	2pt Uncalib	2pt Uncalib	2pt Uncalib	2pt Uncalib
Std #1 (High) Name:	STD4	STD3	STD2	STD3	STD4
Conc/Sig:	10	10	10	10	10
Std #2 (Low) Name:	STD1-Blank	STD1-Blank	STD1-Blank	STD1-Blank	STD1-Blank
Conc/Sig:	0	0	0	0	0
Std #3 Name:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
Conc:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
Std #4 Name:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
Conc:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
Std #5 Name:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
Conc:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--

Y - intercept:	-.00563642	-.931941	.000329449	.000187872	-.00255145
Slope:	33.1657	23.0508	16.6141	9.47791	9.61004
Date Standardized:	06/05/91	06/05/91	06/05/91	06/05/91	06/05/91
Time Standardized:	08:46	08:46	08:46	08:46	08:46
Offset (A0):	0	0	0	0	0
Gain (A1):	1	1	1	1	1
Curvature (A2):	0	0	0	0	0
Exponent (n):	1	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE	NONE
Date of Fit:	NO FIT	NO FIT	NO FIT	NO FIT	NO FIT
Time of Fit:					
Use IECs:	YES	YES	YES	YES	YES
Number of IECs:	4	2	1	0	1
Affecting Element:	Fe2599	Fe2599	Fe2599	--n/a--	Fe2599
k1 factor:	-.00029	.000167	-.00021	--n/a--	.000069
k2 factor:	0	0	0	--n/a--	0
use?:	YES	YES	YES	--n/a--	YES
Affecting Element:	Al3082	Al3082	--n/a--	--n/a--	--n/a--
k1 factor:	.00001	.000202	--n/a--	--n/a--	--n/a--
factor:	0	0	--n/a--	--n/a--	--n/a--
e?:	YES	YES	--n/a--	--n/a--	--n/a--
Affecting Element:	Ca3179	--n/a--	--n/a--	--n/a--	--n/a--
k1 factor:	.000062	--n/a--	--n/a--	--n/a--	--n/a--
k2 factor:	0	--n/a--	--n/a--	--n/a--	--n/a--
use?:	YES	--n/a--	--n/a--	--n/a--	--n/a--
Affecting Element:	Mg2790	--n/a--	--n/a--	--n/a--	--n/a--
k1 factor:	-.00005	--n/a--	--n/a--	--n/a--	--n/a--
k2 factor:	0	--n/a--	--n/a--	--n/a--	--n/a--
use?:	YES	--n/a--	--n/a--	--n/a--	--n/a--

Element:	Cu	Fe	Pb	N+1	Mg
Wavelength:	324.754	259.940	220.353	999.900	279.079
Element Name:	Cu3247	Fe2599	Pb2203	Li6707	Mg2790
Line Switch Conc:	0	0	0	0	0
Peak SS Offset:	0	0	0	0	0
Timing Group No.:	1	1	1	1	1
Print Limit Low:	0	0	0	0	0
Print Limit High:	0	0	0	0	0
Significant Figrs:	4	4	4	4	4
Print Units:	ppm	ppm	ppm	ppm	ppm
BKG Low SS Offset:	-17	NONE	-17	NONE	-17
BKG High SS Offset:	NONE	15	NONE	NONE	NONE
BKG Element Name:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
BKG Factor:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
Stdz. Method:	2pt Uncalib	2pt Uncalib	2pt Uncalib	2pt Uncalib	2pt Uncalib
Std #1 (High) Name:	STD2	STD3	STD2	STD4	STD4
Conc/Sig:	10	20	10	10	10
Std #2 (Low) Name:	STD1-Blank	STD1-Blank	STD1-Blank	STD1-Blank	STD1-Blank
Conc/Sig:	0	0	0	0	0
Std #3 Name:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
Conc:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
Std #4 Name:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
Conc:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
Std #5 Name:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
Conc:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
Y - intercept:	-.0031955	-.00905328	.00754459	-404.164	-.0047722
Slope:	8.05062	12.6239	35.9389	46315.1	13.7889
Date Standardized:	06/05/91	06/05/91	06/05/91	06/05/91	06/05/91
Time Standardized:	08:46	08:46	08:46	08:46	08:46
Offset (A0):	0	0	0	0	0
Gain (A1):	1	1	1	1	1
Curvature (A2):	0	0	0	0	0
Exponent (n):	1	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE	NONE
Date of Fit:	NO FIT	NO FIT	NO FIT	NO FIT	NO FIT
Time of Fit:					
Use IECs:	YES	YES	YES	YES	YES
Number of IECs:	1	1	2	0	3

Linear Range Check Standard
(Analyzed Quarterly)

Date Of Analysis: 5/7/91

Method Numbers:
ICP: 6010

Analyte	Wvelgth. (nm)	Integration Time(sec.)	Concentration (ug/L) True	Found	%R
Aluminum	308.2	5	1000000	1114000	111.40
Antimony	206.8	5	1000000	965700	96.57
Arsenic	193.6	5	100000	93030	93.03
Barium	493.4	5	100000	104300	104.30
Beryllium	313	5	100000	101000	101.00
Cadmium	249.6	5	250000	270500	108.20
Calcium	228.8	5	2500000	2208000	88.32
Chromium	267.7	5	1000000	992600	99.26
Cobalt	228.6	5	500000	508500	101.70
Copper	324.7	5	100000	102500	102.50
Iron	259.9	5	1750000	1374000	78.51
Lead	220.3	5	1000000	1077000	107.70
Magnesium	279	5	1000000	1120000	112.00
Manganese	257.6	5	100000	103100	103.10
Nickel	231.6	5	250000	247500	99.00
Potassium	766.4	5	10000000	10200000	102.00
Selenium	196	5	250000	241700	96.68
Silver	328	5	100000	111200	111.20
Sodium	588.9	5	2500000	9677000	387.08
Thallium	190.8	5	100000	99790	99.79
Vanadium	292.4	5	250000	333400	133.36
Zinc	213.8	5	250000	247200	98.88

INTERELEMENT CORRECTION FACTORS

STATUS INFORMATION **

sion: 2.0
Date Created: 10/19/90 11:00 Date Last Updated: 06/05/91 09:12

Number of elements: 30 Number of lines: 30

# of lines calibrated: 1 01/16/91 11:09 - 01/16/91 11:09
# of lines standardized: 30 06/05/91 08:46 - 06/05/91 08:46

Data collection mode: Spectrum Shifter (3 positions)

Approx. time for analysis 1.9 mins.

Protection status: Un-protected

METHOD INFORMATION **

Sample Introduction Device: Normal
Calibration Mode: Concentration

Default Setup:

Number of Repeats : 4
Flush Time (sec) : 30.0
Auto-Increment Sample Names? No

Default File Names:

Analysis Data File	: ANADATA	Autosampler Table	: AUTOTAB
		Sample Limits Table	: LCTAB
Calibration Data File	: CALDATA	Blank Limits Table	: BLCTAB
Calibration Stds Table	: CALSTDS	QC Check Table	: QCTAB

INTERNAL STANDARDS INFORMATION **

#	Elem Symbol	Wavelength	Pre-integration	Integration	Used?
1	Y	371.000	0	7.0	Yes

Ratio Constant/Intensity Multiplication Factor: 1
Internal Standard Spectrum Shifter Peak offset: 0

Bkg Mtd (-): Wavelength
High Offset: 0
Low Offset: 0

#	Elem Symbol	Wavelength	Pre-integration	Integration	Used?
2	Time		0	5.0	No

Ratio Constant/Intensity Multiplication Factor: 1

#	Elem Symbol	Wavelength	Pre-integration	Integration	Used?
3	Time		0	5.0	No

Ratio Constant/Intensity Multiplication Factor: 1

#	Elem Symbol	Wavelength	Pre-integration	Integration	Used?
4	Time		0	5.0	No

Ratio Constant/Intensity Multiplication Factor: 1

	Elem Symbol	Wavelength	Pre-integration	Integration	Used?
5	Time		0	5.0	No

Ratio Constant/Intensity Multiplication Factor: 1

#	Elem Symbol	Wavelength	Pre-integration	Integration	Used?
6	Time		0	5.0	No

Ratio Constant/Intensity Multiplication Factor: 1

#	Elem Symbol	Wavelength	Pre-integration	Integration	Used?
7	Time		0	5.0	No

Ratio Constant/Intensity Multiplication Factor: 1

OUTPUT INFORMATION **

tput Mode:	Concentration
verride Print Limits?	Yes
Override Significant Figures?	No
Apply Background Correction?	Yes
Apply Blank Subtraction?	No
Limits Table: LCTAB Check?	No
Correction Factor:	1

Auto-print data?	No
Condensed report format?	Yes
Auto-store data?	Yes
Store individual repeats?	Yes

Report to:

Screen	Avgs, Stats, Reps, Errs, Units, Int.Stds
Printer	Avgs, Stats, Errs, Units

PLASMA INFORMATION **

Gas Flow

Torch gas	: High Flow
Auxiliary gas flow	: Medium (1.0 L/min)
Nebulizer Press. (PSI)	: 30

wer

Approximate RF Power (W): 1150

Peristaltic Pump Parameters

Analysis Pump Rate (RPM)	: 100
Flush Pump Rate (RPM)	: 200
Relaxation time (sec)	: 10
Pump Tubing type	: EP-19

Element:	Al	Sb	As	Ba	Be
Wavelength:	308.215	206.838	193.696	493.409	313.042
Element Name:	Al3082	Sb2068	As1936	Ba4934	Be3130
Line Switch Conc:	0	0	0	0	0
Peak SS Offset:	0	0	0	0	0
Timing Group No.:	1	1	1	1	1
Print Limit Low:	0	0	0	0	0
Print Limit High:	0	0	0	0	0
Significant Figrs:	4	4	4	4	4
Print Units:	ppm	ppm	ppm	ppm	ppm
BKG Low SS Offset:	-17	-17	NONE	-17	-17
BKG High SS Offset:	NONE	NONE	15	NONE	NONE
BKG Element Name:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
BKG Factor:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
Stdz. Method:	2pt Uncalib	2pt Uncalib	2pt Uncalib	2pt Uncalib	2pt Uncalib
Std #1 (High) Name:	STD3	STD4	STD4	STD4	STD3
Conc/Sig:	20	10	10	10	10
Std #2 (Low) Name:	STD1-Blank	STD1-Blank	STD1-Blank	STD1-Blank	STD1-Blank
Conc/Sig:	0	0	0	0	0
Std #3 Name:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
Conc:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
Std #4 Name:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
Conc:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
Std #5 Name:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
Conc:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
Y - intercept:	.424897	.0192378	.0185709	0	.00607094
Slope:	11.4207	78.9967	34.2448	6.36384	13.3928
Date Standardized:	06/05/91	06/05/91	06/05/91	06/05/91	06/05/91
Time Standardized:	08:46	08:46	08:46	08:46	08:46
Offset (A0):	0	0	0	0	0
Gain (A1):	1	1	1	1	1
Curvature (A2):	0	0	0	0	0
Exponent (n):	1	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE	NONE
Date of Fit:	NO FIT	NO FIT	NO FIT	NO FIT	NO FIT
Time of Fit:					
Use IECs:	YES	YES	YES	YES	YES
Number of IECs:	3	2	3	0	0

Affecting Element:	Fe2599	Fe2599	Fe2599	--n/a--	--n/a--
k1 factor:	.000013	-.00207	.001436	--n/a--	--n/a--
factor:	0	0	0	--n/a--	--n/a--
use?:	YES	YES	YES	--n/a--	--n/a--
Affecting Element:	Mg2790	Al3082	Al3082	--n/a--	--n/a--
k1 factor:	.000166	.00009	.008666	--n/a--	--n/a--
k2 factor:	0	0	0	--n/a--	--n/a--
use?:	YES	YES	YES	--n/a--	--n/a--
Affecting Element:	Ca3179	--n/a--	Mg2790	--n/a--	--n/a--
k1 factor:	.000188	--n/a--	-.00014	--n/a--	--n/a--
k2 factor:	0	--n/a--	0	--n/a--	--n/a--
use?:	YES	--n/a--	NO	--n/a--	--n/a--

Element:	B	Ca	Cd	Cr	Co
Wavelength:	249.678/2	317.933	228.802/2	267.716	228.616
Element Name:	B_2496	Ca3179	Cd2288	Cr2677	Co2286
Line Switch Conc:	0	0	0	0	0
Peak SS Offset:	0	0	0	0	0
Timing Group No.:	1	1	1	1	1
int Limit Low:	0	0	0	0	0
Print Limit High:	0	0	0	0	0
Significant Figrs:	4	4	4	4	4
Print Units:	ppm	ppm	ppm	ppm	ppm
BKG Low SS Offset:	NONE	-17	-17	-17	-17
BKG High SS Offset:	15	NONE	NONE	NONE	NONE
BKG Element Name:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
BKG Factor:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
Stdz. Method:	2pt Uncalib	2pt Uncalib	2pt Uncalib	2pt Uncalib	2pt Uncalib
Std #1 (High) Name:	STD4	STD3	STD2	STD3	STD4
Conc/Sig:	10	10	10	10	10
Std #2 (Low) Name:	STD1-Blank	STD1-Blank	STD1-Blank	STD1-Blank	STD1-Blank
Conc/Sig:	0	0	0	0	0
Std #3 Name:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
Conc:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
Std #4 Name:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
Conc:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
Std #5 Name:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
Conc:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--

Y - intercept:	-.00563642	-.931941	.000329449	.000187872	-.00255145
Slope:	33.1657	23.0508	16.6141	9.47791	9.61004
Date Standardized:	06/05/91	06/05/91	06/05/91	06/05/91	06/05/91
Time Standardized:	08:46	08:46	08:46	08:46	08:46
Offset (A0):	0	0	0	0	0
Gain (A1):	1	1	1	1	1
Curvature (A2):	0	0	0	0	0
Exponent (n):	1	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE	NONE
Date of Fit:	NO FIT	NO FIT	NO FIT	NO FIT	NO FIT
Time of Fit:					
Use IECs:	YES	YES	YES	YES	YES
Number of IECs:	4	2	1	0	1
Affecting Element:	Fe2599	Fe2599	Fe2599	--n/a--	Fe2599
k1 factor:	-.00029	.000167	-.00021	--n/a--	.000069
k2 factor:	0	0	0	--n/a--	0
use?:	YES	YES	YES	--n/a--	YES
Affecting Element:	Al3082	Al3082	--n/a--	--n/a--	--n/a--
k1 factor:	.00001	.000202	--n/a--	--n/a--	--n/a--
k2 factor:	0	0	--n/a--	--n/a--	--n/a--
use?:	YES	YES	--n/a--	--n/a--	--n/a--
Affecting Element:	Ca3179	--n/a--	--n/a--	--n/a--	--n/a--
k1 factor:	.000062	--n/a--	--n/a--	--n/a--	--n/a--
k2 factor:	0	--n/a--	--n/a--	--n/a--	--n/a--
use?:	YES	--n/a--	--n/a--	--n/a--	--n/a--
Affecting Element:	Mg2790	--n/a--	--n/a--	--n/a--	--n/a--
k1 factor:	-.00005	--n/a--	--n/a--	--n/a--	--n/a--
k2 factor:	0	--n/a--	--n/a--	--n/a--	--n/a--
use?:	YES	--n/a--	--n/a--	--n/a--	--n/a--

Element:	Cu	Fe	Pb	N+1	Mg
Wavelength:	324.754	259.940	220.353	999.900	279.079
Element Name:	Cu3247	Fe2599	Pb2203	Li6707	Mg2790
Line Switch Conc:	0	0	0	0	0
Peak SS Offset:	0	0	0	0	0
Timing Group No.:	1	1	1	1	1
Print Limit Low:	0	0	0	0	0
Print Limit High:	0	0	0	0	0
Significant Figrs:	4	4	4	4	4
Print Units:	ppm	ppm	ppm	ppm	ppm
BKG Low SS Offset:	-17	NONE	-17	NONE	-17
BKG High SS Offset:	NONE	15	NONE	NONE	NONE
BKG Element Name:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
BKG Factor:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
Stdz. Method:	2pt Uncalib	2pt Uncalib	2pt Uncalib	2pt Uncalib	2pt Uncalib
Std #1 (High) Name:	STD2	STD3	STD2	STD4	STD4
Conc/Sig:	10	20	10	10	10
Std #2 (Low) Name:	STD1-Blank	STD1-Blank	STD1-Blank	STD1-Blank	STD1-Blank
Conc/Sig:	0	0	0	0	0
Std #3 Name:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
Conc:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
Std #4 Name:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
Conc:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
Std #5 Name:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
Conc:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
Y - intercept:	-.0031955	-.00905328	.00754459	-404.164	-.0047722
Slope:	8.05062	12.6239	35.9389	46315.1	13.7889
Date Standardized:	06/05/91	06/05/91	06/05/91	06/05/91	06/05/91
Time Standardized:	08:46	08:46	08:46	08:46	08:46
Offset (A0):	0	0	0	0	0
Gain (A1):	1	1	1	1	1
Curvature (A2):	0	0	0	0	0
Exponent (n):	1	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE	NONE
Date of Fit:	NO FIT	NO FIT	NO FIT	NO FIT	NO FIT
Time of Fit:					
Use IECs:	YES	YES	YES	YES	YES
Number of IECs:	1	1	2	0	3

Affecting Element:	Fe2599	Ca3179	Fe2599	--n/a--	Fe2599
k1 factor:	-.00006	.000103	.000213	--n/a--	.000169
k2 factor:	0	0	0	--n/a--	0
use?:	YES	YES	YES	--n/a--	YES

Affecting Element:	--n/a--	--n/a--	Al3082	--n/a--	K_7664
k1 factor:	--n/a--	--n/a--	.001238	--n/a--	.000266
k2 factor:	--n/a--	--n/a--	0	--n/a--	0
use?:	--n/a--	--n/a--	YES	--n/a--	YES

Affecting Element:	--n/a--	--n/a--	--n/a--	--n/a--	Ca3179
k1 factor:	--n/a--	--n/a--	--n/a--	--n/a--	.000091
k2 factor:	--n/a--	--n/a--	--n/a--	--n/a--	0
use?:	--n/a--	--n/a--	--n/a--	--n/a--	YES

Element:	Mn	Mo	Ni	P	K
Wavelength:	257.610	202.030	231.604/2	178.200	766.490
Element Name:	Mn2576	Mo2020	Ni2316	P_1782	K_7664
Line Switch Conc:	0	0	0	0	0
Peak SS Offset:	0	0	0	0	0
Timing Group No.:	1	1	1	1	1
Print Limit Low:	0	0	0	0	0
Print Limit High:	0	0	0	0	0
Significant Figrs:	4	4	4	4	4
Print Units:	ppm	ppm	ppm	ppm	ppm
BKG Low SS Offset:	-17	-17	-17	NONE	-17
BKG High SS Offset:	NONE	NONE	NONE	15	NONE
BKG Element Name:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
BKG Factor:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
Stdz. Method:	2pt Uncalib	2pt Uncalib	2pt Uncalib	2pt Uncalib	2pt Uncalib
Std #1 (High) Name:	STD3	STD2	STD3	STD3	STD3
Conc/Sig:	10	10	10	10	100
Std #2 (Low) Name:	STD1-Blank	STD1-Blank	STD1-Blank	STD1-Blank	STD1-Blank
Conc/Sig:	0	0	0	0	0
Std #3 Name:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
Conc:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
Std #4 Name:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
Conc:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
Std #5 Name:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
Conc:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--

Y - intercept:	0	-.00137787	.00228501	-.165325	-.57099
Slope:	9.12987	36.5381	13.3453	365.379	377.849
Date Standardized:	06/05/91	06/05/91	06/05/91	06/05/91	06/05/91
Time Standardized:	08:46	08:46	08:46	08:46	08:46
Offset (A0):	0	0	0	0	0
Gain (A1):	1	1	1	1	1
Curvature (A2):	0	0	0	0	0
Exponent (n):	1	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE	NONE
Date of Fit:	NO FIT	NO FIT	NO FIT	NO FIT	NO FIT
Time of Fit:					
Use IECs:	YES	YES	YES	YES	YES
Number of IECs:	2	1	1	3	1
Affecting Element:	Fe2599	Fe2599	Fe2599	Mg2790	Mg2790
k1 factor:	.000028	-.00014	-.00003	.000189	-.0009
k2 factor:	0	0	0	0	0
use?:	YES	YES	YES	YES	YES
Affecting Element:	Al3082	--n/a--	--n/a--	Al3082	--n/a--
k1 factor:	-.00075	--n/a--	--n/a--	.00035	--n/a--
k2 factor:	0	--n/a--	--n/a--	0	--n/a--
use?:	YES	--n/a--	--n/a--	YES	--n/a--
Affecting Element:	--n/a--	--n/a--	--n/a--	Fe2599	--n/a--
k1 factor:	--n/a--	--n/a--	--n/a--	-.00022	--n/a--
k2 factor:	--n/a--	--n/a--	--n/a--	0	--n/a--
use?:	--n/a--	--n/a--	--n/a--	NO	--n/a--

Element:	Se	Si	Ag	Na	Sr
Wavelength:	196.026	288.100	328.068	588.995	421.552
Element Name:	Se1960	Si2881	Ag3280	Na5889	Sr4215
Line Switch Conc:	0	0	0	0	0
Peak SS Offset:	0	0	0	0	0
Timing Group No.:	1	1	1	1	1
Print Limit Low:	0	0	0	0	0
Print Limit High:	0	0	0	0	0
Significant Figrs:	4	4	4	4	4
Print Units:	ppm	ppm	ppm	ppm	ppm
BKG Low SS Offset:	NONE	NONE	NONE	NONE	-17
BKG High SS Offset:	15	15	15	15	NONE
BKG Element Name:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
BKG Factor:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
Stdz. Method:	2pt Uncalib	2pt Uncalib	2pt Uncalib	2pt Uncalib	2pt Uncalib
Std #1 (High) Name:	STD3	STD3	STD2	STD4	STD4
Conc/Sig:	10	10	10	50	10
Std #2 (Low) Name:	STD1-Blank	STD1-Blank	STD1-Blank	STD1-Blank	STD1-Blank
Conc/Sig:	0	0	0	0	0
Std #3 Name:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
Conc:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
Std #4 Name:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
Conc:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
Std #5 Name:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
Conc:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
Y - intercept:	-.0180728	-.0958284	-.00502452	-.163782	-.0000057903
Slope:	50.2127	15.4131	16.6175	14.9779	7.09045
Date Standardized:	06/05/91	06/05/91	06/05/91	06/05/91	06/05/91
Time Standardized:	08:46	08:46	08:46	08:46	08:46
Offset (A0):	0	0	0	0	0
Gain (A1):	1	1	1	1	1
Curvature (A2):	0	0	0	0	0
Exponent (n):	1	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE	NONE
Date of Fit:	NO FIT	NO FIT	NO FIT	NO FIT	NO FIT
Time of Fit:					
Use IECs:	YES	YES	YES	YES	YES
Number of IECs:	2	6	2	0	1

Affecting Element:	Fe2599	Fe2599	Fe2599	--n/a--	Ca3179
k1 factor:	-.00594	.000121	-.00015	--n/a--	.000044
k2 factor:	0	0	0	--n/a--	0
use?:	YES	NO	YES	--n/a--	YES
Affecting Element:	Al3082	Mg2790	Ca3179	--n/a--	--n/a--
k1 factor:	-.00008	.000244	.000028	--n/a--	--n/a--
k2 factor:	0	0	0	--n/a--	--n/a--
use?:	YES	NO	YES	--n/a--	--n/a--
Affecting Element:	--n/a--	K_7664	--n/a--	--n/a--	--n/a--
k1 factor:	--n/a--	-.00027	--n/a--	--n/a--	--n/a--
k2 factor:	--n/a--	0	--n/a--	--n/a--	--n/a--
use?:	--n/a--	YES	--n/a--	--n/a--	--n/a--
Affecting Element:	--n/a--	Al3082	--n/a--	--n/a--	--n/a--
k1 factor:	--n/a--	.000128	--n/a--	--n/a--	--n/a--
k2 factor:	--n/a--	0	--n/a--	--n/a--	--n/a--
use?:	--n/a--	NO	--n/a--	--n/a--	--n/a--
Affecting Element:	--n/a--	Na5889	--n/a--	--n/a--	--n/a--
k1 factor:	--n/a--	.00271	--n/a--	--n/a--	--n/a--
k2 factor:	--n/a--	0	--n/a--	--n/a--	--n/a--
use?:	--n/a--	YES	--n/a--	--n/a--	--n/a--
Affecting Element:	--n/a--	Ca3179	--n/a--	--n/a--	--n/a--
k1 factor:	--n/a--	.00028	--n/a--	--n/a--	--n/a--
k2 factor:	--n/a--	0	--n/a--	--n/a--	--n/a--
use?:	--n/a--	NO	--n/a--	--n/a--	--n/a--

Element:	Ti	Tl	V	Zn	2Sb
Wavelength:	334.940	190.801/2	292.402	213.856	206.838
Element Name:	Ti3349	Tl1908	V_2924	Zn2138	HARDNS
Line Switch Conc:	0	0	0	0	0
Peak SS Offset:	0	0	0	0	0
Timing Group No.:	1	1	1	1	1
Print Limit Low:	0	0	0	0	0
Print Limit High:	0	0	0	0	0
Significant Figrs:	4	4	4	4	4
Print Units:	ppm	ppm	ppm	ppm	ppm
BKG Low SS Offset:	NONE	NONE	-17	-17	NONE
BKG High SS Offset:	15	15	NONE	NONE	NONE
BKG Element Name:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
BKG Factor:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
Stdz. Method:	2pt Uncalib	2pt Uncalib	2pt Uncalib	2pt Uncalib	2pt Calib
Std #1 (High) Name:	STD4	STD4	STD2	STD4	STD3
Conc/Sig:	10	10	10	10	.0204952
Std #2 (Low) Name:	STD1-Blank	STD1-Blank	STD1-Blank	STD1-Blank	STD1-Blank
Conc/Sig:	0	0	0	0	.013885
Std #3 Name:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
Conc:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
Std #4 Name:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
Conc:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
Std #5 Name:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
Conc:	--n/a--	--n/a--	--n/a--	--n/a--	--n/a--
Y - Intercept:	-.00238835	-.0325723	-.000840547	-.00544636	-.0031635
Slope:	6.31709	40.034	11.1015	13.7611	1.86471
Date Standardized:	06/05/91	06/05/91	06/05/91	06/05/91	06/05/91
Time Standardized:	08:46	08:46	08:46	08:46	08:46
Offset (A0):	0	0	0	0	0
Gain (A1):	1	1	1	1	10000
Curvature (A2):	0	0	0	0	0
Exponent (n):	1	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE	NONE
Date of Fit:	NO FIT	NO FIT	NO FIT	NO FIT	01/16/91
Time of Fit:					11:09
Use IECs:	YES	YES	YES	YES	YES
Number of IECs:	1	4	1	2	2

Affecting Element:	Ca3179	Fe2599	Fe2599	Fe2599	Mg2790
k1 factor:	-.00009	.000943	-.00067	.00006	-4.118
k2 factor:	0	0	0	0	0
use?:	YES	YES	YES	YES	YES

Affecting Element:	--n/a--	Mg2790	--n/a--	Mg2790	Ca3179
k1 factor:	--n/a--	.000494	--n/a--	.000022	-2.497
k2 factor:	--n/a--	0	--n/a--	0	0
use?:	--n/a--	YES	--n/a--	YES	YES

Affecting Element:	--n/a--	Al3082	--n/a--	--n/a--	--n/a--
k1 factor:	--n/a--	-.00001	--n/a--	--n/a--	--n/a--
k2 factor:	--n/a--	0	--n/a--	--n/a--	--n/a--
use?:	--n/a--	YES	--n/a--	--n/a--	--n/a--

Affecting Element:	--n/a--	Ca3179	--n/a--	--n/a--	--n/a--
k1 factor:	--n/a--	-.00006	--n/a--	--n/a--	--n/a--
k2 factor:	--n/a--	0	--n/a--	--n/a--	--n/a--
use?:	--n/a--	YES	--n/a--	--n/a--	--n/a--

ICP RAW DATA

Method: EPA6010 Standard: STD1-Blank

em	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Ca3179
Avge	-.0385	.0000	.0004	.0002	-.0004	.0002	.0386
SDev	.0004	.0002	.0008	.0000	.0000	.0001	.0001
%RSD	-.9808	634.1	191.9	18.48	-10.12	29.73	.1418

Elem	Cd2288	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Li6707
Avge	.0000	.0000	.0001	.0004	.0042	.0000	.0063
SDev	.000	.0002	.0002	.0000	.0001	.001	.0001
%RSD	-200.0	380.2	126.8	9.123	1.231	-1354.	1.980

Elem	Mg2790	Mn2576	Mo2020	Ni2316	P_1782	K_7664	Se1960
Avge	.0005	.0000	.0000	.0002	.0004	.0016	.0000
SDev	.0009	.0000	.0002	.0002	.0002	.0001	.001
%RSD	170.2	.0000	247000.	105.1	53.38	4.500	-4932.

Elem	Si2881	Ag3280	Na5889	Sr4215	Ti3349	Tl1908	V_2924
Avge	.0073	.0002	.0075	.0000	.0005	.0006	.0001
SDev	.0010	.0000	.0005	.0000	.0002	.0010	.0000
%RSD	13.25	15.31	6.274	.0000	33.32	158.8	66.67

Elem	In2138	HARDNS
Avge	.0031	.0066
SDev	.0001	.0002
%RSD	3.139	3.394

Method: EPA6010 Standard: STD2

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Ca3179
Avge	-.0139	.0004	.0044	.0003	.0032	.0015	.1442
SDev	.0005	.0002	.0003	.0001	.0000	.0001	.0006
%RSD	-3.256	53.06	7.111	25.53	.2499	4.416	.4020

Elem	Cd2288	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Li6707
Avge	.4417	-.0023	.0001	1.283	.0029	.2104	.0067
SDev	.0022	.0001	.0002	.001	.0001	.0019	.0001
%RSD	.4973	-5.805	182.2	.0772	2.733	.8791	.9107

Elem	Mg2790	Mn2576	Mo2020	Ni2316	P_1782	K_7664	Se1960
Avge	-.0002	.0010	.2270	-.0001	.0004	.0014	-.0027
SDev	.0005	.0000	.0007	.0002	.0005	.0003	.0005
%RSD	-208.7	.2499	.3260	-127.7	114.2	18.46	-18.59

Elem	Si2881	Ag3280	Na5889	Sr4215	Ti3349	Tl1908	V_2924
Avge	.0172	.5071	.0149	.0005	.0005	.0006	.7917
SDev	.0003	.0026	.0004	.0000	.0001	.0006	.0012
%RSD	[illegible].956	.5129	2.806	.2499	15.37	90.85	.1554

Elem	In2138	HARDNS
Avge	.0074	.0080
SDev	.0001	.0002
SD	[illegible]342	2.148

000057

Method: EPA6010 Standard: STD3

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Ca3179
Avge	1.834	.0001	.0056	.0002	.7125	.0018	.3910
SDev	.008	.0003	.0003	.0001	.0009	.0000	.0028
%RSD	.4423	333.1	5.109	54.24	.1256	2.018	.7258

Elem	Cd2288	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Li6707
Avge	-.0011	.9227	.0009	.0015	1.452	-.0001	.0064
SDev	.0002	.0044	.0001	.0004	.005	.0006	.0003
%RSD	-17.47	.4793	9.971	24.74	.3505	-484.2	3.864

Elem	Mg2790	Mn2576	Mo2020	Ni2316	P_1782	K_7664	Se1960
Avge	-.0040	.9817	.0004	.6546	.0256	.2932	.1747
SDev	.0006	.0050	.0002	.0030	.0049	.0008	.0018
%RSD	-14.24	.5086	42.66	.4648	18.93	.2663	1.031

Elem	Si2881	Ag3280	Na5889	Sr4215	Ti3349	Tl1908	V_2924
Avge	.6479	.0006	.0164	.0002	.0008	-.0003	-.0012
SDev	.0043	.0002	.0005	.0000	.0001	.0015	.0001
%RSD	.6698	28.99	3.106	22.69	8.079	-511.1	-10.72

Elem	Zn2138	HARDNS
Avge	.0106	.0097
SDev	.0000	.0004
%RSD	.1974	3.780

Method: EPA6010 Standard: STD4

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Ca3179
Avge	-.0467	.1047	.2358	1.612	.0003	.2815	.0999
SDev	.0009	.0009	.0018	.002	.0002	.0010	.0004
%RSD	-2.014	.8991	.7674	.1506	75.93	.3411	.3716

Elem	Cd2288	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Li6707
Avge	.0028	.0012	.8451	.0008	.0101	-.0075	.0051
SDev	.0000	.0004	.0013	.0001	.0004	.0009	.0002
%RSD	1.210	36.18	.1583	8.675	4.360	-12.41	4.765

Elem	Mg2790	Mn2576	Mo2020	Ni2316	P_1782	K_7664	Se1960
Avge	.7083	.0010	.0000	.0008	.0010	.0014	-.0004
SDev	.0006	.0003	.0002	.0006	.0005	.0006	.0009
%RSD	.0861	30.43	99730.	73.03	49.79	43.79	-210.9

Elem	Si2881	Ag3280	Na5889	Sr4215	Ti3349	Tl1908	V_2924
Avge	.0148	.0006	3.714	1.413	1.566	.2104	.0005
SDev	.0003	.0001	.008	.001	.001	.0023	.0002
%RSD	2.204	13.03	.2231	.0871	.0480	1.093	28.45

Elem	Zn2138	HARDNS
Avge	.5604	.1125
SDev	.0020	.0008
%RSD	.3611	.7385

Method: EPA6010 Sample Name: ICV Operator: KEV

Run [illegible] 14:00:24

Comment: CALIBRATION VERIFICATION
Mode: ICNC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.014	H1.120	H1.100	1.089	H1.129	H1.108	H1.184
SDev	.025	.058	.024	.001	.002	.015	.007
%RSD	1.242	5.162	2.226	.0767	.1431	1.332	.6276
Errors	LC Pass	LC High	LC High	LC Pass	LC High	LC High	LC High
High	2.200	1.100	1.100	1.100	1.100	1.100	1.100
Low	1.800	.9000	.9000	.9000	.9000	.9000	.9000

Elem	Cd2288	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-1.152	1.011	H1.109	1.059	2.150	1.062	L-.3119
SDev	.011	.003	.006	.002	.006	.035	3.7871
%RSD	.9718	.3025	.5557	.1960	.2576	3.327	-1214.
Errors	LC High	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Low
High	1.100	1.100	1.100	1.100	2.200	1.100	1.100
Low	.9000	.9000	.9000	.9000	1.800	.9000	.9000

Elem	Mg2790	Mn2576	Mo2020	Ni2316	P_1782	K_7664	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.098	1.006	H1.106	1.014	.9396	9.844	1.044
SDev	.014	.003	.003	.009	.1827	.365	.054
%RSD	1.236	.2600	.3023	.8862	19.45	3.704	5.163
Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High	1.100	1.100	1.100	1.100	1.100	11.00	1.100
Low	.9000	.9000	.9000	.9000	.9000	9.000	.9000

Elem	Si2881	Ag3280	Na5889	Sr4215	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9643	H1.122	H5.504	1.096	1.014	H1.141	1.087
SDev	.0111	.006	.016	.002	.003	.003	.002
%RSD	1.149	.5287	.2821	.1409	.2754	.2483	.2105
Errors	LC Pass	LC High	LC High	LC Pass	LC Pass	LC High	LC Pass
High	1.100	1.100	5.500	1.100	1.100	1.100	1.100
Low	.9000	.9000	4.500	.9000	.9000	.9000	.9000

Elem	Zn2138	HARDNS
Units	ppm	ppm
Avge	1.182	7.476
SDev	.008	.074
%RSD	.6863	.9925
Errors	LC High	NOCHECK
High	1.100	
Low	.9000	

Method: EPA6010 Sample Name: ICV Operator: KEV
Date: 6/03/91 14:03:09
Comment: CALIBRATION VERIFICATION

Mode: CNC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.946	1.077	1.035	1.030	1.058	1.076	H1.737
SDev	.017	.009	.030	.004	.002	.008	.019
%RSD	.8483	.7997	2.872	.3596	.1491	.6997	1.120
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	2.200	1.100	1.100	1.100	1.100	1.100	1.100
Low	1.800	.9000	.9000	.9000	.9000	.9000	.9000

Elem	Cd2288	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H1.115	.9666	1.053	1.015	1.908	1.019	L-25.20
SDev	.014	.0078	.007	.003	.005	.049	4.19
%RSD	1.271	.8105	.6637	.2869	.2692	4.848	-16.61
Errors	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	1.100	1.100	1.100	1.100	2.200	1.100	1.100
Low	.9000	.9000	.9000	.9000	1.800	.9000	.9000

Elem	Mg2790	Mn2576	Mo2020	Ni2316	P_1782	K_7664	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.053	.9660	1.046	.9748	L.5326	9.229	.9192
SDev	.004	.0058	.006	.0068	.1995	.112	.0444
%RSD	.4193	.5967	.5761	.7011	37.46	1.216	4.830
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass	LC Pass
High	1.100	1.100	1.100	1.100	1.100	11.00	1.100
Low	.9000	.9000	.9000	.9000	.9000	9.000	.9000

Elem	Ag2881	Ag3280	Na5889	Sr4215	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.271	1.078	5.246	1.038	.9732	.9806	1.043
SDev	.012	.010	.021	.002	.0016	.0366	.006
%RSD	.9273	.8948	.4008	.2267	.1628	3.737	.6149
Errors	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.100	1.100	5.500	1.100	1.100	1.100	1.100
Low	.9000	.9000	4.500	.9000	.9000	.9000	.9000

Elem	In2138	HARDNS
Units	ppm	ppm
Avge	1.046	8.672
SDev	.010	.065
%RSD	.9794	.7530
Errors	LC Pass	NOCHECK
High	1.100	
Low	.9000	

Method: EPA6010 Standard: STD2

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Ca3179
Avge	.0157	.0006	.0049	.0001	.0036	.0002	.1199
SDev	.007	.0002	.0005	.0001	.001	.0001	.0019

%RSD	-4.730	34.59	10.57	38.73	2.693	40.61	1.546
Elem	Cd2288	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Li6707
Avge	.4953	-.0024	.0000	1.441	.0103	.2350	.0073
SDev	.0111	.0002	.0002	.018	.0001	.0042	.0002
%RSD	2.230	-6.267	917.5	1.217	1.281	1.802	1.978
Elem	Mg2790	Mn2576	Mo2020	Ni2316	P_1782	K_7664	Se1960
Avge	-.0006	.0003	.2563	.0001	.0005	.0016	-.0031
SDev	.0002	.0000	.0045	.0003	.0003	.0005	.0007
%RSD	-32.14	.6564	1.740	539.8	62.90	31.84	-22.87
Elem	Si2881	Ag3280	Na5889	Sr4215	Ti3349	Tl1908	V_2924
Avge	.0092	.5671	.0155	.0004	.0006	.0016	.8955
SDev	.0006	.0101	.0006	.0001	.0001	.0003	.0114
%RSD	6.723	1.786	3.670	13.11	8.640	15.93	1.273
Elem	Zn2138	HARDNS					
Avge	.0063	.0089					
SDev	.0000	.0001					
%RSD	.6564	1.418					

Method: EPA6010 Standard: STD3

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Ca3179
Avge	1.817	.0004	.0051	.0001	.7124	.0002	.3920
SDev	.014	.0003	.0003	.0000	.0014	.0001	.0029
SD	.7620	81.15	5.863	66.67	.1924	38.32	.7348
Elem	Cd2288	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Li6707
Avge	-.0011	.9158	.0009	.0008	1.443	.0001	.0068
SDev	.0001	.0052	.0002	.0002	.007	.0006	.0001
%RSD	-12.62	.5722	18.53	22.94	.4522	583.1	1.468
Elem	Mg2790	Mn2576	Mo2020	Ni2316	P_1782	K_7664	Se1960
Avge	-.0036	.9759	.0002	.6505	.0348	.2899	.1723
SDev	.0006	.0057	.0002	.0037	.0063	.0023	.0030
%RSD	-16.34	.5858	71.54	.5712	18.13	.7769	1.744
Elem	Si2881	Ag3280	Na5889	Sr4215	Ti3349	Tl1908	V_2924
Avge	.5928	.0004	.0118	.0002	.0006	-.0004	-.0017
SDev	.0053	.0001	.0002	.0000	.0001	.0007	.0002
%RSD	.9015	19.79	1.495	23.49	10.95	-166.5	-8.864
Elem	Zn2138	HARDNS					
Avge	.0027	.0100					
SDev	.0001	.0002					
%RSD	3.068	2.003					

Method: EPA6010 Standard: STD4

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Ca3179
Avge	-.0476	.1114	.2508	1.721	-.0002	.3001	.0790
SDev	.001	.0011	.0023	.003	.0000	.0007	.0005
%RSD	.2540	.9705	.9157	.1755	-18.12	.2262	.5842

Elem	Cd2288	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Li6707
Avge	.0032	.0004	.8980	.0010	.0066	-.0076	.0074
SDev	.0001	.0001	.0041	.0002	.0002	.0003	.0000
%RSD	2.384	26.59	.4518	15.69	2.975	-3.299	.4790

Elem	Mg2790	Mn2576	Mo2020	Ni2316	P_1782	K_7664	Se1960
Avge	.7439	.0003	.0003	.0003	.0007	.0010	-.0014
SDev	.0034	.0000	.0001	.0007	.0004	.0005	.0008
%RSD	.4611	.5057	46.38	196.3	52.39	49.03	-52.48

Elem	Si2881	Ag3280	Na5889	Sr4215	Ti3349	Tl1908	V_2924
Avge	.0148	.0005	3.899	1.504	1.555	.2260	.0004
SDev	.0004	.0001	.013	.002	.002	.0015	.0001
%RSD	2.753	26.71	.3258	.1138	.1467	.6806	28.76

Elem	Zn2138	HARDNS
Avge	.5948	.1194
SDev	.0046	.0011
%RSD	.7774	.9591

Method: EPA6010 Sample Name: ICV Operator: KEV
Run Time: 06/03/91 14:41:22
Comment: CALIBRATION VERIFICATION
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.967	1.016	1.003	1.015	H1.120	1.015	H1.115
SDev	.005	.050	.040	.001	.001	.009	.007
%RSD	.2749	4.884	4.019	.0934	.1085	.8451	.6243
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC High
High	2.200	1.100	1.100	1.100	1.100	1.100	1.100
Low	1.800	.9000	.9000	.9000	.9000	.9000	.9000

Elem	Cd2288	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9636	.9857	1.007	.9250	2.121	.9230	H5.617
SDev	.0110	.0034	.003	.0011	.010	.0183	2.144
%RSD	1.141	.3440	.2592	.1156	.4769	1.984	38.17
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	1.100	1.100	1.100	1.100	2.200	1.100	1.100
Low	.9000	.9000	.9000	.9000	1.800	.9000	.9000

Elem	Mg2790	Mn2576	Mo2020	Ni2316	P_1782	K_7664	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9987	.9824	.9470	.9822	.9070	10.10	.9921
SDev	.0140	.0034	.0049	.0085	.1560	.06	.0262
%RSD	1.397	.3414	.5149	.8652	17.20	.6042	2.639
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.100	1.100	1.100	1.100	1.100	11.00	1.100
Low	.9000	.9000	.9000	.9000	.9000	9.000	.9000

Elem	Si2881	Ag3280	Na5889	Sr4215	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9853	.9455	5.137	1.018	.9921	1.020	.9304
SDev	.0061	.0030	.027	.001	.0017	.046	.0022
%RSD	.6213	.3218	.5228	.1108	.1754	4.484	.2363
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.100	1.100	5.500	1.100	1.100	1.100	1.100
Low	.9000	.9000	4.500	.9000	.9000	.9000	.9000

Elem	Zn2138	HARDNS
Units	ppm	ppm
Avge	1.057	6.897
SDev	.008	.064
%RSD	.7696	.9226
Errors	LC Pass	NOCHECK
High	1.100	
Low	.9000	

Method: EPA6010 Sample Name: ICB Operator: KEV
Run Time: 06/03/91 14:49:01
Comment: CALIBRATION VERIFICATION
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0088	-.0085	-.0116	L-.0011	-.0002	.0030	.0000
SDev	.0045	.0215	.0282	.0002	.0000	.0049	.0045
%RSD	51.10	-253.5	-242.7	-19.86	-29.40	162.7	11230.
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Pass	LC Pass	LC Pass
High	.0600	.0400	.0400	.0010	.0010	.0090	.0450
Low	-.0600	-.0400	-.0400	-.0010	-.0010	-.0090	-.0450

Elem	Cd2288	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0008	-.0010	-.0015	-.0006	.0010	-.0144	H.5493
SDev	.0008	.0014	.0024	.0005	.0022	.0192	.8218
%RSD	98.76	-136.1	-161.6	-88.55	223.6	-134.0	149.6
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	.0020	.0020	.0030	.0040	.1000	.0300	.25
Low	-.0020	-.0020	-.0030	-.0040	-.1000	-.0300	-.25

Elem	Mg2790	Mn2576	Mo2020	Ni2316	P_1782	K_7664	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0060	.0002	.0000	-.0035	L-.0359	-.1095	-.0245
SDev	.0057	.0004	.005	.0026	.0278	.1312	.0290
%RSD	-95.07	193.8	-62590.	-73.18	-77.36	-119.8	-118.0
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass	LC Pass
High	.075	.0010	.0040	.0070	.0270	.5	.0350
Low	-.075	-.0010	-.0040	-.0070	-.0270	-.5	-.0350

Elem	Si2881	Ag3280	Na5889	Sr4215	Ti3349	Tl1908	V_2924

Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0031	-.0001	.0042	.0000	L-.0008	.0280	.0002
Dev	.0066	.0017	.0106	.000	.0005	.0460	.0017
%SD	-213.6	-2330.	254.3	-11230.	-61.58	164.2	817.3
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass	LC Pass
High	.0170	.0030	.0220	.0005	.0005	.0300	.0010
Low	-.0170	-.0030	-.0220	-.0005	-.0005	-.0300	-.0010

Elem	Zn2138	HARDNS
Units	ppm	ppm
Avge	.0009	-.0245
SDev	.0014	.0186
%RSD	152.9	-76.04
Errors	LC Pass	NOCHECK
High	.0020	
Low	-.0020	

Method: 6010 Sample Name: ERA CATIONS Operator: KEV
Run Time: 06/03/91 15:00:11
Comment: CALIBRATION VERIFICATION
Mode: NC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0528	.0303	-.0555	-.0006	-.0012	.0627	90.46
Dev	.0205	.0320	.0194	.0004	.0006	.0059	.90
%RSD	38.80	105.6	-34.95	-59.07	-51.46	9.459	.9910
Elem	Cd2288	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0007	.0001	-.0032	-.0007	-.0643	-.0095	-19.72
SDev	.023	.0016	.0027	.0014	.0017	.0153	1.86
%RSD	34.8	1500.	-82.06	-206.7	-2.643	-160.0	-9.416
Elem	Mg2790	Mn2576	Mo2020	Ni2316	P_1782	K_7664	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.44	-.0001	.0001	-.0039	.0799	61.58	.0001
SDev	.20	.0004	.0039	.0114	.0552	.13	.0461
%RSD	3.392	-266.5	7089.	-288.8	69.06	.2059	46490.
Elem	Na2881	Ag3280	Na5889	Sr4215	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0783	-.0030	52.86	.0027	.0005	.0566	.0008
SDev	.0110	.0016	.33	.0004	.0005	.0589	.0021
%RSD	14.07	-52.39	.6153	13.44	105.6	104.0	255.2
Elem	Zn2138	HARDNS					
Units	ppm	ppm					
Avge	.0015	577.7					
SDev	.0018	2.0					
%RSD	120.6	.3469					

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Method: EPA6010 Sample Name: CCV Operator: KEV
Run Time: 06/03/91 19:42:28 INITIAL
Comment: CALIBRATION VERIFICATION
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.020	1.015	1.038	1.021	H1.130	1.050	H1.190
SDev	.025	.021	.022	.003	.010	.006	.016
%RSD	1.236	2.027	2.127	.3419	.8568	.5476	1.307
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC High
High	2.200	1.100	1.100	1.100	1.100	1.100	1.100
Low	1.800	.9000	.9000	.9000	.9000	.9000	.9000

Elem	Cd2288	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.069	1.017	1.030	.9152	2.188	.9515	H2.815
SDev	.019	.005	.008	.0009	.010	.0251	.817
%RSD	1.807	.5119	.7460	.0987	.4464	2.635	29.03
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	1.100	1.100	1.100	1.100	2.200	1.100	1.100
Low	.9000	.9000	.9000	.9000	1.800	.9000	.9000

Elem	Mg2790	Mn2576	Mo2020	Ni2316	P_1782	K_7664	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.027	1.013	.9438	1.043	L.4746	9.674	.9628
SDev	.008	.006	.0062	.007	.0491	.207	.0292
%RSD	.8112	.5535	.6552	.7144	10.34	2.138	3.036
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass	LC Pass
High	1.100	1.100	1.100	1.100	1.100	11.00	1.100
Low	.9000	.9000	.9000	.9000	.9000	9.000	.9000

Elem	Si2881	Ag3280	Na5889	Sr4215	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.031	1.002	5.252	1.017	.9902	.9383	.9440
SDev	.019	.008	.025	.002	.0011	.1014	.0044
%RSD	1.808	.7569	.4847	.2306	.1124	10.81	.4651
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.100	1.100	5.500	1.100	1.100	1.100	1.100
Low	.9000	.9000	4.500	.9000	.9000	.9000	.9000

Elem	Zn2138	HARDNS
Units	ppm	ppm
Avge	H1.120	7.199
SDev	.010	.062
%RSD	.8691	.8637
Errors	LC High	NOCHECK
High	1.100	
Low	.9000	

.nalysis Report Mon 06-03-91 07:48:19 PM pag

ethod: EPA6010 Sample Name: CCB Operator: KEV
un Time: 06/03/91 19:45:41 INITIAL
ent: CALIBRATION VERIFICATION
k : CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Ca317[illegible]
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0310	.0168	.0111	.0005	-.0004	-.0002	-.0032
SDev	.0091	.0311	.0410	.0004	.0005	.0012	.0011
%RSD	29.27	185.4	369.9	65.17	-114.3	-714.8	-33.28
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0600	.0400	.0400	.0010	.0010	.0090	.0450
Low	-.0600	-.0400	-.0400	-.0010	-.0010	-.0090	-.0450

Elem	Cd2288	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0000	.0006	.0008	.0001	.0073	-.0078	H8.417
SDev	.001	.0008	.0014	.0011	.0023	.0109	.492
%RSD	-76200.	126.3	173.1	1438.	31.74	-139.4	5.848
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	.0020	.0020	.0030	.0040	.1000	.0300	.25
Low	-.0020	-.0020	-.0030	-.0040	-.1000	-.0300	-.25

Elem	Mg2790	Mn2576	Mo2020	Ni2316	P_1782	K_7664	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0032	.0002	H.0051	-.0006	-.0055	-.1102	H.0450
SDev	.0065	.0005	.0037	.0066	.0635	.1523	.0107
%RSD	-198.7	210.6	71.98	-1106.	-1157.	-138.2	23.75
Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC High
High	.075	.0010	.0040	.0070	.0270	.5	.0350
Low	-.075	-.0010	-.0040	-.0070	-.0270	-.5	-.0350

Elem	Si2881	Ag3280	Na5889	Sr4215	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0206	-.0024	.0068	.0005	.0004	-.0026	L-.0013
SDev	.0045	.0007	.0012	.0003	.0000	.1151	.0010
%RSD	-21.81	-27.91	17.91	58.05	2.048	-4445.	-76.16
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	.0170	.0030	.0220	.0005	.0005	.0300	.0010
Low	-.0170	-.0030	-.0220	-.0005	-.0005	-.0300	-.0010

Elem	Zn2138	HARDNS
Units	ppm	ppm
Avge	.0007	-.0215
SDev	.0007	.0266
%RSD	99.58	-123.6
Errors	LC Pass	NOCHECK
High	.0020	
Low	-.0020	

Analysis Report Mon 06-03-91 07:51:37 PM

Method: EPA6010 Sample Name: CRI Operator: KEV
Run Time: 06/03/91 19:48:50 INITIAL
Comment: CALIBRATION VERIFICATION
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Ca317[illegible]
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3910	.0988	.0967	.4223	.0106	-.0009	9.940
SDev	.0038	.0195	.0067	.0014	.0006	.0041	.050
%RSD	.9679	19.73	6.928	.3308	5.397	-456.4	.498[illegible]

Elem	Cd2288	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Li670[illegible]
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0080	.0220	.1047	.0436	.2596	.0563	10.7[illegible]
SDev	.0008	.0019	.0016	.0010	.0006	.0060	.2[illegible]
%RSD	10.58	8.687	1.487	2.184	.2307	10.70	2.585

Elem	Mg2790	Mn2576	Mo2020	Ni2316	P_1782	K_7664	Se196[illegible]
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.76	.0301	-.0016	.0859	.0801	9.941	.117[illegible]
SDev	.01	.0005	.0062	.0035	.1177	.156	.017[illegible]
%RSD	.0628	1.645	-387.6	4.102	146.9	1.572	15.0[illegible]

Elem	Si2881	Ag3280	Na5889	Sr4215	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	.0252	10.66	-.0001	.0009	.0631	.1125
SDev	.0057	.0018	.02	.0000	.0007	.0564	.0014
%RSD	-2795.	7.106	.1910	-2.281	75.10	89.32	1.255

Elem	Zn2138	HARDNS
Units	ppm	ppm
Avge	-.0076	69.11
SDev	.0001	.13
%RSD	-1.412	.1951

Analysis Report Mon 06-03-91 07:55:02 PM Page

Method: EPA6010 Sample Name: ICSA Operator: KEV
Run Time: 06/03/91 19:52:27 INITIAL
ment: INTERFERENCE CHECK
de: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Ca317[illegible]
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	511.2	.0823	-.3939	.0036	.0003	-.2176	457.[illegible]
SDev	1.8	.1133	.1637	.0000	.0000	.0136	1.[illegible]
%RSD	.3444	137.7	-41.56	.6558	11.83	-6.261	.385[illegible]
Errors	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	600.0						600.0
Low	400.0						400.0

Elem	Cd2288	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0009	.0055	-.0003	.0026	181.6	-.1028	12.0[illegible]
SDev	.0037	.0027	.0026	.0014	.5	.0428	.7
%RSD	415.6	49.60	-859.4	55.96	.2624	-41.62	6.02[illegible]
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK
High					240.0		
Low					160.0		

Elem	Mg2790	Mn2576	Mo2020	Ni2316	P_1782	K_7664	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	507.9	-.0805	.0001	-.0020	.9533	-.0056	-.0796
SDev	2.1	.0043	.0081	.0155	.0834	.1608	.1518
%RSD	.4227	-5.305	5492.	-765.9	8.750	-2846.	-190.6
Errors	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	600.0						
Low	400.0						

Elem	Si2881	Ag3280	Na5889	Sr4215	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0388	-.0153	.0723	.0125	.0065	.1889	.0048
SDev	.0093	.0002	.0030	.0003	.0006	.0715	.0039
%RSD	24.01	-1.131	4.177	2.551	9.974	37.87	80.57
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							

Elem	Zn2138	HARDNS
Units	ppm	ppm
Avge	-.0618	3234.
SDev	.0009	9.
%RSD	-1.469	.2898
Errors	NOCHECK	NOCHECK
High		
Low		

Analysis Report — Mon 06-03-91 07:58:48 PM page

Method: EPA6010 Sample Name: ICSAB Operator: KEV
Run Time: 06/03/91 19:56:16 INITIAL
Comment: INTERFERENCE CHECK
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Ca317[illegible]
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	514.1	.0572	-.4076	.5109	.5810	-.2136	461.[illegible]
SDev	2.4	.1103	.0961	.0041	.0031	.0078	1.[illegible]
%RSD	.4582	192.8	-23.59	.8033	.5252	-3.659	.3393
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	NOCHECK	LC Pass
High	600.0			.6000	.6000		600.0
Low	400.0			.4000	.4000		400.0

Elem	Cd2288	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9949	.4693	.4659	.4569	182.5	.8508	5.285
SDev	.0063	.0041	.0018	.0034	.5	.0216	.993
%RSD	.6326	.8627	.3762	.7412	.2533	2.534	18.77
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	1.200	.6000	.6000	.6000	240.0	1.200	
Low	.8000	.4000	.4000	.4000	160.0	.8000	

Elem	Mg2790	Mn2576	Mo2020	Ni2316	P_1782	K_7664	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	512.7	1.3869	.0041	.9246	.5874	.2341	-.0474
SDev	2.2	.0024	.0154	.0145	.2434	.1545	.0999
%RSD	.4307	.6117	379.2	1.572	41.44	65.98	-210.7
Errors	LC Pass	LC Low	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	600.0	.6000		1.200			
Low	400.0	.4000		.8000			

Elem	Si2881	Ag3280	Na5889	Sr4215	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0700	.9544	.0828	.0124	.0069	.2320	.5245
SDev	.0065	.0044	.0082	.0003	.0003	.0695	.0029
%RSD	9.274	.4646	9.853	2.144	4.966	29.97	.5603
Errors	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High		1.200					.6000
Low		.8000					.4000

Elem	Zn2138	HARDNS
Units	ppm	ppm
Avge	.9516	3264.
SDev	.0058	11.
%RSD	.6082	.3307
Errors	LC Pass	NOCHECK
High	1.200	
Low	.8000	

Analysis Report Mon 06-03-91 08:02:14 PM

Method: EPA6010 Sample Name: PREP BLANK Operator: KEV
Run Time: 06/03/91 19:59:41
Comment: SOIL ANALYSIS/ METHOD 6010
Mode: CONC Corr. Factor: 1

SOIL
CORR FACTOR: 100
TO CONVERT TO mg/kg
DP 6/05/91

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Ca317[illegible]
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1933	-.0034	.0095	.0067	-.0001	-.0035	8.91[illegible]
SDev	.0385	.0266	.0361	.0001	.0007	.0038	.0[illegible]
%RSD	19.90	-774.3	381.1	1.382	-1130.	-109.4	.3357

Elem	Cd2288	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Li670[illegible]
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0000	.0015	-.0013	.0019	.0615	-.0010	9.35[illegible]
SDev	.0013	.0015	.0024	.0003	.0169	.0032	.80[illegible]
%RSD	43790.	102.9	-180.1	14.02	27.52	-311.0	8.61[illegible]

Elem	Mg2790	Mn2576	Mo2020	Ni2316	P_1782	K_7664	Se196[illegible]
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5238	.0064	.0008	.0000	.0598	-.0121	.017[illegible]
SDev	.0371	.0004	.0040	.004	.0685	.2511	.016[illegible]
%RSD	7.079	6.087	526.7	-10490.	114.4	-2073.	98.[illegible]

Elem	Si2881	Ag3280	Na5889	Sr4215	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2440	-.0039	.1074	.0053	.0001	.0022	-.000[illegible]
SDev	.0166	.0021	.0064	.0001	.0005	.0426	.0015
%RSD	6.799	-55.34	5.910	1.598	432.8	1958.	-978.[illegible]

Elem	Zn2138	HARDNS
Units	ppm	ppm
Avge	.0882	24.43
SDev	.0020	.23
%RSD	2.262	.9226

Analysis Report Mon 06-03-91 [illegible] 05:26 PM

Method: EPA6010 Sample Name: LCSS ERA SOIL Operator: KE[illegible]
Run Time: 06/03/91 20:02:48
[illegible]ment: SOIL ANALYSIS/ METHOD 6010
Mode: CONC Corr. Factor: 100

LABORATORY CONTROL SAMPLE - SOIL

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	[illegible]
Units	ppm	ppm	ppm	ppm	ppm	ppm	pp[illegible]
Avge	11470.	10.82	168.9	198.1	52.36	-.4348	H94[illegible]
SDev	27.	1.68	9.1	.3	.07	.5522	[illegible]
%RSD	.2340	15.54	5.416	.1477	.1361	-127.0	.2[illegible]
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC High
High	11900.	40.00	330.0	272.0	64.00		914[illegible]
Low	7130.	.0000	76.00	176.0	38.00		6[illegible]

Elem	Cd2288	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Li6[illegible]
Units	ppm	ppm	ppm	ppm	ppm	ppm	pp[illegible]
Avge	66.70	47.97	34.99	190.6	16270.	84.00	904
SDev	.95	.26	.38	.7	23.	2.95	[illegible]
%RSD	1.432	.5480	1.074	.3450	.1442	3.512	4.[illegible]
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	86.00	63.00	36.00	267.0	19000.	99.00	
Low	44.00	39.00	23.00	172.0	12100.	41.00	

Elem	Mg2790	Mn2576	Mo2020	Ni2316	P_1782	K_7664	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
[illegible]ge	4419.	320.2	18.43	210.7	706.2	3995.	7.184
[illegible]ev	10.	.5	.54	1.4	47.1	17.	6.591
%RSD	.2284	.1409	2.934	.6630	6.668	.4221	91.7[illegible]
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	4620.	379.0	22.00	270.0		4240.	14.00
Low	2760.	236.0	13.00	164.0		2930.	5.50

Elem	Si2881	Ag3280	Na5889	Sr4215	Ti3349	Tl1908	V_[illegible]
Units	ppm	ppm	ppm	ppm	ppm	ppm	pp[illegible]
Avge	772.9	76.43	559.8	81.01	387.7	19.55	56.[illegible]
SDev	5.7	.33	2.3	.27	.3	7.47	[illegible]
%RSD	.7318	.4332	.4111	.3385	.0734	38.19	.52[illegible]
Errors	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High		95.00	728.0			44.00	62.00
Low		.0000	242.0			14.00	40.00

Elem	Zn2138	HARDNS
Units	ppm	ppm
Avge	315.8	41840.
SDev	2.5	100.
%RSD	.7781	.2401
Errors	LC Pass	NOCHECK
High	386.0	
[illegible]w	253.0	

Analysis Report Mon 06-03-91 08:06:43 PM

Method: EPA6010 Sample Name: 734979 Operator: KEV
Run Time: 06/03/91 20:06:11
Comp: SOIL ANALYSIS/ METHOD 6010
Mode: CONC Corr. Factor: 66.6667

% Solids = 62.5
NOT IN CORR FACTOR

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Ca317[illegible]
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7934.	3.441	.8520	109.3	.4766	4.814	8307
SDev	12.	2.247	1.968	.3	.0554	.075	30
%RSD	.1527	65.31	231.0	.3042	11.61	1.555	.360[illegible]

Elem	Cd2288	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Li670[illegible]
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3809	11.83	4.885	12.19	10550.	26.86	452.[illegible]
SDev	.0684	.18	.096	.05	21.	2.08	32.[illegible]
%RSD	17.95	1.502	1.975	.4135	.2006	7.727	7.07[illegible]

Elem	Mg2790	Mn2576	Mo2020	Ni2316	P_1782	K_7664	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1900.	390.0	.7023	13.13	414.4	1071.	.427[illegible]
SDev	4.	.9	.2694	.69	68.6	7.	2.66[illegible]
%RSD	.2266	.2348	38.37	5.229	16.55	.6414	623.[illegible]

Elem	Si2881	Ag3280	Na5889	Sr4215	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	534.6	-.0320	106.2	36.11	89.19	-2.491	16.78
SDev	3.8	.0500	.7	.08	.24	3.072	.33
%RSD	.7028	-156.3	.6429	.2197	.2639	-123.3	1.951

Elem	Zn2138	HARDNS
Units	ppm	ppm
Avge	71.62	28570.
SDev	.22	88.
%RSD	.3040	.3071

Lead in mg/kg dry wt
42.98

000072

nalysis Report Mon 06-03-91 08:13:18 PM pa

ethod: EPA6010 Sample Name: 734979 SER. DIL. Operator: KEV
un Time: 06/03/91 20:10:26
ent: 1ml:4ml-REMCOR 59303191-SOIL ANALYSIS/ METHOD 6010 % Solids = 62.5 NOT IN CORR. F
ode: CONC Corr. Factor: 333.333

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	8612.	-8.566	8.184	116.5	.2806	4.284	9413.
SDev	14.	17.254	8.731	.5	.0164	1.761	25.
%RSD	.1636	-201.4	106.7	.4532	5.857	41.11	.2610

Elem	Cd2288	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3048	13.81	5.675	13.13	12100.	31.08	970.5
SDev	.2698	.63	.674	.24	11.	2.63	480.6
%RSD	88.50	4.541	11.87	1.836	.0875	8.462	49.52

Elem	Mg2790	Mn2576	Mo2020	Ni2316	P_1782	K_7664	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2098.	442.8	2.653	14.43	245.9	1119.	9.195
SDev	6.	1.3	.970	1.48	38.1	71.	14.05
%RSD	.3013	.3024	36.55	10.28	15.49	6.328	152.8

Elem	Si2881	Ag3280	Na5889	Sr4215	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	594.6	-.1238	108.8	38.83	97.76	-9.699	18.29
SDev	2.1	.9301	2.5	.13	1.27	23.610	.69
%RSD	.3565	-751.2	2.301	.3384	1.298	-243.4	3.790

Elem	Zn2138	HARDNS
Units	ppm	ppm
Avge	70.74	32140.
SDev	.24	41.
%RSD	.3401	.1280

Lead in mg/kg dry wt
49.73

000073

nalysis Report Mon 06-03-91 08:16:25 PM page

ethod: EPA6010 Sample Name: 734980 Operator: KEV
un Time: 06/03/91 20:14:01
ent: REMCOR 59303191-SOIL ANALYSIS/ METHOD 6010
: CONC Corr. Factor: 66.6667

% Solids = 81.6
↳ NOT IN CORR FACTOR

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Ca317[illegible]
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7519.	.3654	1.123	135.4	.2655	43.85	817.[illegible]
SDev	16.	6.170	4.041	.4	.0008	.48	4.[illegible]
%RSD	.2071	1689.	360.0	.2593	.2986	1.093	.5464

Elem	Cd2288	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.1038	15.17	2.440	362.7	13930.	119.4	571.[illegible]
SDev	.1628	.06	.149	.5	41.	3.1	55.[illegible]
%RSD	-156.9	.4169	6.120	.1493	.2913	2.602	9.686

Elem	Mg2790	Mn2576	Mo2020	Ni2316	P_1782	K_7664	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1354.	64.06	1.372	9.307	458.3	1151.	3.029
SDev	3.	.16	.449	.292	35.6	23.	1.718
%RSD	.1926	.2434	32.72	3.133	7.765	1.957	56.69

Elem	Si2881	Ag3280	Na5889	Sr4215	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	445.7	.2689	416.5	9.517	101.9	1.470	18.44
SDev	.5	.1007	.9	.020	.2	6.362	.05
%RSD	.1182	37.44	.2160	.2132	.1543	432.7	.2688

Elem	Zn2138	HARDNS
Units	ppm	ppm
Avge	69.17	7616.
SDev	.80	20.
%RSD	1.151	.2691

Lead in mg/kg dry wt
146

Analysis Report

Mon 06-03-91 08:19:34 PM

Method: EPA6010 Sample Name: 734981 Operator: KEV

Run Time: 06/03/91 20:16:44

Comment: REMCOR 59303191-SOIL ANALYSIS/ METHOD 6010

Mode: CONC Corr. Factor: 66.6667

% Solids ~~[illegible]~~ = 77.9
↳ Not in corr. Factor

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Ca317[illegible]
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9353.	.5701	-.1294	177.9	.6331	9.569	6018.
SDev	17.	4.430	.5283	.5	.0019	.515	25.
%RSD	.1815	777.0	-408.3	.2619	.3028	5.377	.4187

Elem	Cd2288	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.6420	21.70	6.445	32.34	13560.	123.9	683.4
SDev	.1933	.28	.146	.13	11.	2.8	36.[illegible]
%RSD	30.11	1.284	2.272	.3915	.0843	2.265	5.280

Elem	Mg2790	Mn2576	Mo2020	Ni2316	P_1782	K_7664	Se196[illegible]
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1909.	326.5	1.426	15.95	593.6	1410.	3.34[illegible]
SDev	5.	.7	.302	.85	9.9	24.	1.03[illegible]
%RSD	.2649	.2125	21.18	5.323	1.673	1.674	31.0[illegible]

Elem	Si2881	Ag3280	Na5889	Sr4215	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	510.4	.3243	90.03	28.41	119.8	-2.317	21.75
SDev	3.9	.1176	.62	.07	.2	2.437	.18
%RSD	.7616	36.26	.6903	.2387	.1415	-105.2	.8407

Elem	Zn2138	HARDNS
Units	ppm	ppm
Avge	151.9	22890.
SDev	.7	82.
%RSD	.4858	.3570

Lead in mg/kg dry wt
159.1

000075

Analysis Report Mon 06-03-91 08:22:36 PM

Method: EPA6010 Sample Name: 734982 Operator: KEV
Run Time: 06/03/91 20:19:56
Comment: REMCOR 59303191-SOIL ANALYSIS/ METHOD 6010
Mode: CONC Corr. Factor: 66.6667

% SOLIDS = 68.4
NOT IN CORR. FACTOR

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6939.	3.360	3.727	130.8	.6656	2.761	780.
SDev	33.	1.110	3.674	.5	.0729	.213	[illegible]
%RSD	.4774	33.03	98.59	.3789	10.96	7.703	.2100

Elem	Cd2288	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2705	14.56	6.525	31.44	13510.	729.3	494.[illegible]
SDev	.2548	.18	.129	.09	19.	3.7	52.4
%RSD	94.18	1.216	1.973	.2786	.1380	.5028	10.60

Elem	Mg2790	Mn2576	Mo2020	Ni2316	P_1782	K_7664	Se1961
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1893.	382.7	2.833	18.75	352.7	862.9	1.19[illegible]
SDev	7.	.9	.578	.17	29.2	13.7	4.98[illegible]
%RSD	.3888	.2223	20.41	.9328	8.281	1.592	417.[illegible]

Elem	Si2881	Ag3280	Na5889	Sr4215	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	491.7	.0562	83.37	33.76	99.43	-1.927	17.69
SDev	3.5	.0462	.29	.13	.35	2.592	.18
%RSD	.7022	82.17	.3491	.3758	.3496	-134.5	1.026

Elem	Zn2138	HARDNS
Units	ppm	ppm
Avge	212.3	27270.
SDev	.2	67.
%RSD	.0847	.2458

Pb dry wt mg/kg
= 1066.2

000076

Analysis Report — Mon 06-03-91 06:25:53 PM pa:

Method: EPA6010 Sample Name: CCV -1 Operator: KEV
Run Time: 06/03/91 20:23:28
Comment: CALIBRATION VERIFICATION/ METHOD 6010
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Ca317[illegible]
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.028	1.024	1.049	1.023	H1.137	1.036	H1.193
SDev	.038	.043	.036	.002	.011	.004	.024
%RSD	1.878	4.166	3.472	.2325	.9405	.3598	2.025
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC High
High	2.200	1.100	1.100	1.100	1.100	1.100	1.100
Low	1.800	.9000	.9000	.9000	.9000	.9000	.9000

Elem	Cd2288	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.052	1.019	1.029	.9133	H2.206	.9590	H3.583
SDev	.019	.008	.004	.0012	.022	.0178	1.078
%RSD	1.793	.8249	.4078	.1272	.9765	1.852	30.10
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC High
High	1.100	1.100	1.100	1.100	2.200	1.100	1.100
Low	.9000	.9000	.9000	.9000	1.800	.9000	.9000

Elem	Mg2790	Mn2576	Mo2020	Ni2316	P_1782	K_7664	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.030	1.009	.9420	1.030	L.5078	9.838	.9912
SDev	.014	.006	.0136	.015	.0547	.361	.0485
%RSD	1.325	.5484	1.447	1.409	10.77	3.671	4.888
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass	LC Pass
High	1.100	1.100	1.100	1.100	1.100	11.00	1.100
Low	.9000	.9000	.9000	.9000	.9000	9.000	.9000

Elem	Si2881	Ag3280	Na5889	Sr4215	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.014	.9906	5.219	1.019	.9908	.9250	.9470
SDev	.015	.0088	.015	.001	.0008	.0374	.0047
%RSD	1.501	.8844	.2784	.0695	.0787	4.041	.4913
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.100	1.100	5.500	1.100	1.100	1.100	1.100
Low	.9000	.9000	4.500	.9000	.9000	.9000	.9000

Elem	Zn2138	HARDNS
Units	ppm	ppm
Avge	H1.110	7.219
SDev	.011	.115
%RSD	.9508	1.597
Errors	LC High	NOCHECK
High	1.100	
Low	.9000	

ethod: EPA6010 Sample Name: CCB -1 Operator: KEV
un Time: 06/03/91 20:26:18
ent: CALIBRATION VERIFICATION/ METHOD 6010
: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0425	-.0052	.0289	.0001	L-.0012	-.0028	-.0032
SDev	.0083	.0165	.0155	.0004	.0001	.0042	.0040
%RSD	19.62	-316.4	53.57	325.6	-7.420	-151.8	-123.0
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass	LC Pass
High	.0600	.0400	.0400	.0010	.0010	.0090	.0450
Low	-.0600	-.0400	-.0400	-.0010	-.0010	-.0090	-.0450

Elem	Cd2288	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0011	-.0004	-.0029	-.0005	.0150	-.0169	H8.884
SDev	.0026	.0009	.0016	.0008	.0036	.0121	.850
%RSD	228.9	-245.8	-54.07	-161.0	24.12	-71.79	9.566
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	.0020	.0020	.0030	.0040	.1000	.0300	.25
Low	-.0020	-.0020	-.0030	-.0040	-.1000	-.0300	-.25

Elem	Mg2790	Mn2576	Mo2020	Ni2316	P_1782	K_7664	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0106	.0004	-.0015	-.0025	.0082	-.2661	H.0404
v	.0034	.0004	.0029	.0047	.0847	.1092	.0202
%RSD	-31.76	94.44	-197.7	-186.5	1035.	-41.05	49.93
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	.075	.0010	.0040	.0070	.0270	.5	.0350
Low	-.075	-.0010	-.0040	-.0070	-.0270	-.5	-.0350

Elem	Si2881	Ag3280	Na5889	Sr4215	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0195	-.0024	.0008	-.0001	-.0002	L-.0565	L-.0019
SDev	.0064	.0013	.0071	.0005	.0006	.0389	.0012
%RSD	-33.07	-52.77	865.2	-350.4	-339.0	-68.89	-66.21
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Low
High	.0170	.0030	.0220	.0005	.0005	.0300	.0010
Low	-.0170	-.0030	-.0220	-.0005	-.0005	-.0300	-.0010

Elem	Zn2138	HARDNS
Units	ppm	ppm
Avge	-.0003	-.0518
SDev	.0014	.0069
%RSD	-437.3	-13.32
Errors	LC Pass	NOCHECK
High	.0020	
Low	-.0020	

000078

Analysis Report Mon 06-03-91 08:34:28 PM Pa

Method: EPA6010 Sample Name: 734982 DUP. Operator: KEV

Run Time: 06/03/91 20:31:35 % SOLIDS = 68.4

Client: REMCOR 59303191-SOIL ANALYSIS/ METHOD 6010 (NOT IN CORR FACTOR

Mode: CONC Corr. Factor: 66.6667

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Ca317[illegible]
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7984.	3.063	5.589	135.0	.5990	2.696	7910.
SDev	10.	3.161	3.432	.1	.0414	.453	14.
%RSD	.1292	103.2	61.41	.0452	6.917	16.80	.1822

Elem	Cd2288	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1039	16.04	6.709	32.04	14550.	437.9	628.3
SDev	.1874	.11	.152	.05	18.	2.6	33.7
%RSD	180.4	.6588	2.272	.1622	.1216	.6017	5.366

Elem	Mg2790	Mn2576	Mo2020	Ni2316	P_1782	K_7664	Se196[illegible]
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2034.	387.5	2.022	19.57	478.0	996.8	-4.749
SDev	3.	.5	.536	.37	87.2	10.7	4.183
%RSD	.1589	.1209	26.51	1.905	18.24	1.071	-88.1[illegible]

Elem	Si2881	Ag3280	Na5889	Sr4215	Ti3349	Tl1908	V_292[illegible]
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	558.5	.1298	79.64	34.10	98.18	-3.264	18.62
SDev	1.6	.0519	.56	.03	.43	10.001	.08
%RSD	.2827	40.01	.7007	.0952	.4351	-306.4	.4058

Elem	Zn2138	HARDNS
Units	ppm	ppm
Avge	249.2	28130.
SDev	.6	39.
%RSD	.2410	.1385

Pb mg/kg dry wt
640.2

000070

Analysis Report Mon 06-03-91 08:37:21 PM page 1

Method: EPA6010 Sample Name: 734982 SPIKE Operator: KEV
n Time: 06/03/91 20:34:51
ument: REMCOR 59303191-SOIL ANALYSIS/ METHOD 6010
Mode: CONC Corr. Factor: 66.6667

% solids = 68.4
↳ not in corr factor

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7620.	7.086	119.0	264.9	3.950	3.478	8083.
SDev	10.	1.649	6.5	.4	.076	.390	34.
%RSD	.1332	23.28	5.475	.1345	1.926	11.22	.4217

Elem	Cd2288	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.666	26.89	36.13	45.63	13590.	448.9	261.0
SDev	.164	.19	.14	.06	28.	1.6	77.3
%RSD	4.466	.7040	.3782	.1336	.2051	.3519	29.63

Elem	Mg2790	Mn2576	Mo2020	Ni2316	P_1782	K_7664	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2009.	458.9	2.967	49.05	285.1	930.1	111.2
SDev	7.	1.4	.456	.48	19.6	20.2	6.7
%RSD	.3477	.2948	15.35	.9848	6.864	2.171	6.049

Elem	Si2881	Ag3280	Na5889	Sr4215	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	660.1	.3079	83.46	35.20	108.8	111.1	49.58
SDev	3.9	.0938	.27	.04	.3	8.8	.10
RSD	.5882	30.47	.3242	.1211	.3199	7.893	.2087

Elem	Zn2138	HARDNS
Units	ppm	ppm
Avge	281.1	28450.
SDev	1.5	113.
%RSD	.5256	.3966

Pb mg/kg dry wt
656.3

000000

Analysis Report Mon 06-03-91 08:42:43 PM page 1

Method: EPA6010 Sample Name: 734982 10 PPM PD SPK Operator: KEV
R Time: 06/03/91 20:40:13
C ment: 50ul/5ml 1000ppm Pb Std- SOIL ANALYSIS/ METHOD 6010 % Solids = 65.4 (NOT IN CORR. F K
Mode: CONC Corr. Factor: 66.6667

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6870.	1.246	-.1233	130.4	.5447	3.130	7631.
SDev	54.	5.111	1.6019	.6	.0606	.220	141.
%RSD	.7921	410.2	-1299.	.4513	11.12	7.043	1.842

Elem	Cd2288	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1266	14.45	6.323	31.23	13260.	1327.	435.8
SDev	.2222	.15	.108	.08	120.	23.	85.1
%RSD	175.4	1.066	1.711	.2647	.9051	1.710	19.54

Elem	Mg2790	Mn2576	Mo2020	Ni2316	P_1782	K_7664	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1868.	375.6	3.220	18.47	521.9	877.4	.3811
SDev	20.	4.8	.290	.39	21.9	13.6	7.744
%RSD	1.049	1.282	9.012	2.093	4.193	1.550	2032.

Elem	Si2881	Ag3280	Na5889	Sr4215	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	486.0	.1322	82.65	33.59	98.50	-2.675	17.27
SDev	10.4	.0701	.51	.11	.39	1.509	.18
%RSD	2.140	53.03	.6199	.3206	.3943	-56.41	1.032

Elem	Zn2138	HARDNS
Units	ppm	ppm
Avge	208.2	26750.
SDev	4.7	431.
%RSD	2.272	1.612

Pb mg/kg dry wt
1940.

000081

Method: PA6010 Sample Name: 734192 10PPM PD SPK Operator: KEV
Run Time: 06/03/91 21:55:57
Comment: 50ul/5ml1000ppm PbStd 59303191-SOIL ANALYSIS/ METHOD 6010
Code: INC Corr. Factor: 82.6667

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	17010.	6.131	-6.215	183.3	.9439	90.07	9615.
SDev	54.	7.449	12.295	.6	.0094	.88	54.
%RSD	.3158	121.5	-197.8	.3369	.9993	.9763	.5622

Elem	Cd2288	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1645	29.11	9.285	108.7	25610.	1365.	715.3
SDev	.2071	.24	.299	.5	61.	9.	50.3
%RSD	125.9	.8125	3.215	.4869	.2383	.6475	7.030

Elem	Mg2790	Mn2576	Mo2020	Ni2316	P_1782	K_7664	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	139.	511.7	4.945	25.45	593.9	2390.	-8.059
SDev	12.	1.4	.794	1.19	122.7	15.	7.336
%RSD	.3665	.2749	16.05	4.655	20.65	.6135	-91.03

Elem	Si2881	Ag3280	Na5889	Sr4215	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	378.5	.4144	1143.	43.06	209.6	8.047	37.11
SDev	1.3	.0722	7.	.12	.3	4.341	.46
%RSD	.3411	17.42	.6124	.2853	.1343	53.95	1.233

Elem	Zn2138	HARDNS
Units	ppm	ppm
Avge	340.0	36940.
SDev	1.6	101.
%RSD	.4652	.2744

Method: 6010 Sample Name: CCV -3 Operator: KEV
Run T... 6/03/91 21:59:24
Comment: CALIBRATION VERIFICATION-SOIL ANALYSIS/ METHOD 6010
Mode: ... Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.065	1.068	1.073	1.026	H1.135	1.046	H1.195
SDev	.035	.039	.059	.002	.009	.010	.019
%RSD	3.709	3.626	5.494	.1607	.7526	1.001	1.574
Error	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC High
High	1.200	1.100	1.100	1.100	1.100	1.100	1.100
Low	1.800	.9000	.9000	.9000	.9000	.9000	.9000

Elem	Cd2288	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.066	1.017	1.026	.9164	H2.247	.9697	H3.904
SDev	.015	.003	.010	.0008	.044	.0230	1.210
%RSD	.386	.3010	.9801	.0866	1.937	2.374	30.99
Error	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC High
High	1.100	1.100	1.100	1.100	2.200	1.100	1.100
Low	.9000	.9000	.9000	.9000	1.800	.9000	.9000

Elem	Mg2790	Mn2576	Mo2020	Ni2316	P_1782	K_7664	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.036	1.005	.9390	1.032	L.5614	9.851	1.049
SDev	.011	.010	.0035	.012	.1511	.118	.069
%RSD	1.075	.9713	.3730	1.209	26.92	1.194	6.531
Error	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass	LC Pass
High	1.100	1.100	1.100	1.100	1.100	11.00	1.100
Low	.9000	.9000	.9000	.9000	.9000	9.000	.9000

Elem	Pb2881	Ag3280	Na5889	Sr4215	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.038	.9966	5.266	1.019	.9902	.9408	.9446
SDev	.016	.0082	.019	.002	.0008	.0406	.0052
%RSD	1.575	.8219	.3666	.1501	.0853	4.313	.5464
Error	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.100	1.100	5.500	1.100	1.100	1.100	1.100
Low	.9000	.9000	4.500	.9000	.9000	.9000	.9000

Elem	In2138	HARDNS
Units	ppm	ppm
Avge	1.111	7.248
SDev	.011	.067
%RSD	.9694	.9246
Error	LC High	NOCHECK
High	1.100	
Low	.9000	

Method: EPA6010 Sample Name: CCB-3 Operator: KEV
Run Time: 06/03/91 22:02:32
Comment: CALIBRATION VERIFICATION-SOIL ANALYSIS/ METHOD 6010
Mode: NC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0711	-.0016	.0264	.0008	L-.0014	.0018	.0087
SDev	.0150	.0157	.0454	.0006	.0005	.0014	.0058
%RSD	21.16	-1001.	172.0	71.79	-32.46	78.91	65.86
Errors	LC High	LC Pass	LC Pass	LC Pass	LC Low	LC Pass	LC Pass
High	.0600	.0400	.0400	.0010	.0010	.0090	.0450
Low	-.0600	-.0400	-.0400	-.0010	-.0010	-.0090	-.0450

Elem	Cd2288	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0000	.0014	.0006	.0008	.0287	.0008	H7.063
SDev	.003	.0013	.0010	.0009	.0019	.0238	1.216
%RSD	-5302.	91.75	186.2	114.5	6.503	3173.	17.21
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	.0020	.0020	.0030	.0040	.1000	.0300	.25
Low	-.0020	-.0020	-.0030	-.0040	-.1000	-.0300	-.25

Elem	Mg2790	Mn2576	Mo2020	Ni2316	P_1782	K_7664	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0040	.0006	.0028	.0025	H.0287	-.0737	.0271
SDev	.0118	.0006	.0023	.0047	.0620	.1218	.0264
%RSD	-297.5	102.7	81.99	193.1	216.2	-165.2	97.56
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass
High	.075	.0010	.0040	.0070	.0270	.5	.0350
Low	-.075	-.0010	-.0040	-.0070	-.0270	-.5	-.0350

Elem	Ti2881	Ag3280	Na5889	Sr4215	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0180	-.0003	.0005	-.0004	.0001	-.0161	.0000
SDev	.0074	.0008	.0030	.0002	.0005	.0561	.000
%RSD	-41.39	-250.1	583.2	-63.53	513.5	-348.9	-2735.
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0170	.0030	.0220	.0005	.0005	.0300	.0010
Low	-.0170	-.0030	-.0220	-.0005	-.0005	-.0300	-.0010

Elem	Zn2138	HARDNS
Units	ppm	ppm
Avge	.0016	.0055
SDev	.0013	.0465
%RSD	85.24	843.8
Errors	LC Pass	NOCHECK
High	.0020	
Low	-.0020	

Method: ICPA6010 Sample Name: 734232 Operator: KEV
Run Time: 06/03/91 22:06:14
Comment: REMCOR 59303191-SOIL ANALYSIS/ METHOD 6010
Mode: ONC Corr. Factor: 84.6667

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	14190.	4.872	4.134	183.1	.8145	10.12	3836.
SDev	22.	2.567	4.164	.2	.0444	.30	14.
%RSD	.1579	52.69	100.7	.0826	5.455	2.971	.3609

Elem	Cd2288	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0628	17.39	7.812	12.10	16910.	10.71	786.6
SDev	.2499	.17	.024	.08	22.	1.33	46.6
%RSD	397.8	1.002	.3097	.6629	.1292	12.41	5.923

Elem	Mg2790	Mn2576	Mo2020	Ni2316	P_1782	K_7664	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2318.	404.1	2.164	17.67	557.6	2172.	5.940
SDev	5.	.9	.479	.49	40.9	26.	8.678
%RSD	.2321	.2249	22.14	2.753	7.329	1.182	146.1

Elem	Si2881	Ag3280	Na5889	Sr4215	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	655.5	.0984	109.1	21.64	204.3	-5.354	32.56
SDev	3.7	.1403	.8	.04	.2	7.470	.29
%RSD	.5597	142.6	.7251	.1968	.1046	-139.5	.8845

Elem	Zn2138	HARDNS
Units	ppm	ppm
Avge	30.74	19120.
SDev	.22	55.
%RSD	.4348	.2889

Method: EPA6010 Sample Name: 734417 Operator: KEV
Run Time: 06/03/91 22:09:08
Comment: REMCOR 59303191-SOIL ANALYSIS/ METHOD 6010
Mode: CONC Corr. Factor: 79.3333

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	15840.	23.10	.5076	179.5	1.078	47.74	4096.
SDev	41.	34.89	11.21	.3	.251	.69	9.
%RSD	.2608	151.0	2208.	.1580	23.32	1.449	.2186

Elem	Cd2288	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.208	22.18	10.44	15.86	20090.	24.33	517.3
SDev	2.632	1.15	.89	.62	48.	8.01	113.7
%RSD	217.8	5.178	8.504	3.877	.2395	32.92	21.98

Elem	Mg2790	Mn2576	Mo2020	Ni2316	P_1782	K_7664	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2899.	502.9	4.552	24.59	360.5	2376.	-3.335
SDev	24.	4.3	6.725	5.62	34.5	36.	18.255
%RSD	.8324	.8590	147.7	22.83	9.567	1.513	-547.4

Elem	Si2881	Ag3280	Na5889	Sr4215	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	457.1	.0374	342.0	29.53	223.2	-3.155	40.12
SDev	1.1	.2203	2.8	.06	.5	5.817	5.15
%RSD	.2508	589.2	.8240	.2119	.2120	-184.4	12.83

Elem	Zn2138	HARDNS
Units	ppm	ppm
Avge	64.78	22170.
SDev	.94	104.
%RSD	1.448	.4697

Method: IPA6010 Sample Name: 735642 Operator: KEV
Run Time: 06/03/91 22:12:37
Comment: PEMCOR 59303191-SOIL ANALYSIS/ METHOD 6010
Code: ONC Corr. Factor: 66.6667

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	11280.	.7535	3.682	137.8	.6508	44.26	2365.
SDev	22.	3.024	1.978	.2	.0675	1.03	3.
%RSD	.1952	401.3	53.72	.1099	10.38	2.328	.1458

Elem	Cd2288	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1590	14.85	6.904	11.71	13760.	13.89	230.3
SDev	.1545	.11	.143	.04	8.	.65	106.9
%RSD	97.19	.7718	2.071	.3577	.0601	4.712	46.40

Elem	Mg2790	Mn2576	Mo2020	Ni2316	P_1782	K_7664	Se1960
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1221.	357.2	1.382	17.02	209.2	2020.	.4512
SDev	9.	.4	.819	.51	27.1	16.	3.089
%RSD	.4140	.1126	59.24	2.988	12.98	.7923	684.5

Elem	Si2881	Ag3280	Na5889	Sr4215	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	114.1	.1809	224.2	19.12	92.17	-4.064	24.29
SDev	1.1	.0349	.7	.02	.14	7.189	.05
%RSD	.9876	19.27	.2918	.1038	.1568	-176.9	.2195

Elem	Zn2138	HARDNS
Units	ppm	ppm
Avge	143.7	15050.
SDev	.3	45.
%RSD	.1803	.3008

Method: EPA6010 Sample Name: ICSA FINAL Operator: KEV
Run Time: 06/03/91 22:15:35
Comment: INTERFERENCE CHECK
Code: ONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	508.1	.4217	-.4783	.0048	.0019	-.2103	453.8
SDev	1.4	.7430	.1814	.0018	.0022	.0077	2.1
%RSD	.2681	176.2	-37.93	37.31	111.2	-3.682	.4671
Errors	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	600.0						600.0
Low	400.0						400.0

Elem	Cd2288	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0198	.0220	.0073	.0071	179.7	-.0199	11.27
SDev	.0430	.0345	.0173	.0109	.4	.1508	.74
%RSD	217.1	156.6	236.8	154.0	.2379	-756.3	6.569
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK
High					240.0		
Low					160.0		

Elem	Mg2790	Mn2576	Mo2020	Ni2316	P_1782	K_7664	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	500.9	-.0244	.0684	.0510	.4595	-.1930	-.0694
SDev	.6	.1124	.1503	.1246	.4207	.8390	.1984
%RSD	.1283	-459.9	219.8	244.1	91.55	-434.7	-285.6
Errors	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	600.0						
Low	400.0						

Elem	Si2881	Ag3280	Na5889	Sr4215	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0478	-.0147	.0673	.0120	.0056	.2454	.0328
SDev	.0188	.0037	.0047	.0002	.0012	.0924	.0604
%RSD	39.24	-25.39	7.023	1.311	22.26	37.66	184.0
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							

Elem	Zn2138	HARDNS
Units	ppm	ppm
Avge	-.0492	3196.
SDev	.0185	8.
%RSD	-37.67	.2353
Errors	NOCHECK	NOCHECK
High		
Low		

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Method: EPA6010 Sample Name: ICSAB FINAL Operator: KEV
Run Time: 06/03/91 22:19:14
Comment: INTERFERENCE CHECK
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	509.6	.1241	-.3305	.5026	.5729	-.2172	452.9
SDev	1.3	.1314	.1380	.0021	.0029	.0054	4.2
%RSD	.2537	105.9	-41.76	.4137	.5120	-2.476	.9291
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	NOCHECK	LC Pass
High	600.0			.6000	.6000		600.0
Low	400.0			.4000	.4000		400.0

Elem	Cd2288	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9926	.4609	.4560	.4460	179.0	.8300	10.90
SDev	.0148	.0065	.0022	.0021	.7	.0158	.66
%RSD	1.488	1.402	.4874	.4762	.3910	1.898	6.016
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	1.200	.6000	.6000	.6000	240.0	1.200	
Low	.8000	.4000	.4000	.4000	160.0	.8000	

Elem	Mg2790	Mn2576	Mo2020	Ni2316	P_1782	K_7664	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	503.7	L.3873	.0019	.8957	.4423	.2399	-.0597
SDev	1.9	.0081	.0173	.0395	.5403	.0735	.0631
%RSD	.3731	2.092	917.7	4.405	122.2	30.63	-105.5
Errors	LC Pass	LC Low	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	600.0	.6000		1.200			
Low	400.0	.4000		.8000			

Elem	Si2881	Ag3280	Na5889	Sr4215	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0582	.9434	.0855	.0122	.0061	.1882	.5165
SDev	.0087	.0109	.0147	.0003	.0005	.0840	.0062
%RSD	14.97	1.153	17.23	2.274	8.196	44.64	1.205
Errors	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High		1.200					.6000
Low		.8000					.4000

Elem	Zn2138	HARDNS
Units	ppm	ppm
Avge	.9353	3205.
SDev	.0116	18.
%RSD	1.235	.5637
Errors	LC Pass	NOCHECK
High	1.200	
Low	.8000	

000089

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Method: EPA6010 Sample Name: CRI FINAL Operator: KEV
Run Time: 06/03/91 22:22:43
Comment: CALIBRATION VERIFICATION
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4968	.0962	.0978	.4226	.0094	.0001	10.03
SDev	.0274	.0350	.0487	.0004	.0000	.0054	.03
%RSD	5.508	36.36	49.83	.0875	.2359	5217.	.3470

Elem	Cd2288	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0104	.0226	.1052	.0440	.3038	.0682	3.847
SDev	.0009	.0011	.0029	.0002	.0105	.0098	.409
%RSD	8.224	4.732	2.769	.3827	3.449	14.42	10.64

Elem	Mg2790	Mn2576	Mo2020	Ni2316	P_1782	K_7664	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.94	.0305	-.0010	.0810	.0903	10.12	.1287
SDev	.05	.0006	.0017	.0021	.0299	.24	.0349
%RSD	.4128	1.894	-177.1	2.582	33.12	2.341	27.10

Elem	Si2881	Ag3280	Na5889	Sr4215	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0035	.0259	10.73	.0007	.0014	.0293	.1134
SDev	.0043	.0008	.04	.0003	.0005	.0225	.0011
%RSD	-122.3	3.070	.3756	43.04	35.28	76.93	.9320

Elem	Zn2138	HARDNS
Units	ppm	ppm
Avge	-.0073	70.09
SDev	.0006	.27
%RSD	-7.745	.3785

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Method: EPA6010 Sample Name: CCV FINAL Operator: KEV
Run Time: 06/03/91 22:27:34
Comment: CALIBRATION VERIFICATION
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.061	1.032	1.038	1.027	H1.131	1.040	H1.163
SDev	.021	.053	.014	.002	.006	.008	.009
%RSD	.9950	5.169	1.317	.2298	.5529	.7538	.7927
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC High
High	2.200	1.100	1.100	1.100	1.100	1.100	1.100
Low	1.800	.9000	.9000	.9000	.9000	.9000	.9000

Elem	Cd2288	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.056	1.012	1.021	.9165	2.179	.9318	H8.610
SDev	.010	.005	.005	.0013	.006	.0317	.430
%RSD	.9033	.5018	.4736	.1413	.2776	3.401	4.991
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	1.100	1.100	1.100	1.100	2.200	1.100	1.100
Low	.9000	.9000	.9000	.9000	1.800	.9000	.9000

Elem	Mg2790	Mn2576	Mo2020	Ni2316	P_1782	K_7664	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.025	1.003	.9358	1.020	.9815	9.506	1.036
SDev	.010	.006	.0050	.007	.1375	.081	.034
%RSD	.9726	.5934	.5293	.7341	14.01	.8530	3.329
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.100	1.100	1.100	1.100	1.100	11.00	1.100
Low	.9000	.9000	.9000	.9000	.9000	9.000	.9000

Elem	Si2881	Ag3280	Na5889	Sr4215	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.032	.9937	5.299	1.021	.9892	.9241	.9408
SDev	.015	.0062	.016	.001	.0013	.0344	.0025
%RSD	1.445	.6217	.2973	.1402	.1344	3.724	.2676
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.100	1.100	5.500	1.100	1.100	1.100	1.100
Low	.9000	.9000	4.500	.9000	.9000	.9000	.9000

Elem	Zn2138	HARDNS
Units	ppm	ppm
Avge	1.099	7.127
SDev	.011	.054
%RSD	.9625	.7524
Errors	LC Pass	NOCHECK
High	1.100	
Low	.9000	

000091

Analysis Report Mon 06-[illegible]-91 10:33:42 PM Page 1

Method: EPA6010 Sample Name: CCB FINAL Operator: KEV
Run Time: 06/03/91 22:30:50
Comment: CALIBRATION VERIFICATION
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0728	-.0219	.0150	.0004	L-.0015	-.0008	.0020
SDev	.0197	.0265	.0417	.0002	.0008	.0011	.0050
%RSD	27.00	-120.8	277.0	48.89	-57.63	-140.0	[illegible]
Errors	LC High	LC Pass	LC Pass	LC Pass	LC Low	LC Pass	LC Pass
High	.0600	.0400	.0400	.0010	.0010	.0090	.0450
Low	-.0600	-.0400	-.0400	-.0010	-.0010	-.0090	-.0450

Elem	Cd2288	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	-.0003	-.0004	-.0004	.0158	.0012	H6.381
SDev	.0017	.0016	.0016	.0002	.0017	.0084	.1278
%RSD	168.4	-553.2	-384.4	-59.47	10.86	722.9	4[illegible]354
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	.0020	.0020	.0030	.0040	.1000	.0300	.25
Low	-.0020	-.0020	-.0030	-.0040	-.1000	-.0300	-.25

Elem	Mg2790	Mn2576	Mo2020	Ni2316	P_1782	K_7664	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0031	.0000	.0014	-.0021	H.0798	-.1481	.0060
SDev	.0101	.0004	.0035	.0080	.0605	.2029	.0263
%RSD	-320.9	938.5	252.5	-376.8	75.83	-137.0	439.1
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass
High	.075	.0010	.0040	.0070	.0270	.5	.0350
Low	-.075	-.0010	-.0040	-.0070	-.0270	-.5	-.0350

Elem	Si2881	Ag3280	Na5889	Sr4215	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0258	-.0001	.0011	.0000	.0003	L-.0490	L-.0012
SDev	.0085	.0012	.0044	.000	.0003	.0593	.0011
%RSD	-33.14	-958.0	404.1	-1298.	121.9	-121.1	-92.97
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Low
High	.0170	.0030	.0220	.0005	.0005	.0300	.0010
Low	-.0170	-.0030	-.0220	-.0005	-.0005	-.0300	-.0010

Elem	Zn2138	HARDNS
Units	ppm	ppm
Avge	.0001	-.0079
SDev	.0011	.0537
%RSD	950.9	-681.9
Errors	LC Pass	NOCHECK
High	.0020	
Low	-.0020	

Method: EPA6010 Sample Name: 735192 Operator: KEV
Run Time: 06/03/91 21:19:14
Comment: REMCOR 59303191-SOIL ANALYSIS/ METHOD 6010
Mode: CONC Corr. Factor: 81.3333

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	13650.	10.39	-8.944	178.9	.8724	41.27	4093.
SDev	29.	18.94	8.758	.3	.1734	.57	20.
%RSD	.2136	182.3	-97.93	.1457	19.88	1.372	.4944

Elem	Cd2288	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.034	18.28	9.625	15.25	17150.	16.86	749.3
SDev	1.504	.61	.395	.37	25.	5.18	54.8
%RSD	145.4	3.337	4.100	2.446	.1482	30.70	7.315

Elem	Mg2790	Mn2576	Mo2020	Ni2316	P_1782	K_7664	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1702.	445.6	2.233	22.34	551.7	2042.	1.415
SDev	17.	3.0	3.440	2.91	24.7	18.	1.965
%RSD	.9187	.6817	154.0	13.03	4.479	.8723	138.9

Elem	Si2881	Ag3280	Na5889	Sr4215	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	412.2	.0765	219.1	27.20	142.6	-4.732	30.54
SDev	1.5	.2201	2.2	.05	.2	6.007	2.82
%RSD	.3749	287.7	.9886	.1708	.1665	-126.9	9.226

Elem	Zn2138	HARDNS
Units	ppm	ppm
Avge	57.81	21350.
SDev	.73	106.
%RSD	1.080	.4954

Method: EPA6010 Sample Name: PREP BLANK Operator: KEV
Run Time: 06/03/91 21:24:11
Comment: REMCOR 59303191-SOIL ANALYSIS/ METHOD 6010
Mode: CNC Corr. Factor: 1

CORR. FACTOR 100 to convert to mg/kg

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0834	.0031	.0601	.0009	-.0005	.0049	.0696
SDev	.0036	.0254	.0519	.0002	.0005	.0039	.0081
%RSD	4.305	827.9	86.28	25.23	-98.50	78.29	11.62

Elem	Cd2288	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0000	.0015	.0000	.0014	.0034	.0040	1.201
SDev	.0000	.0018	.002	.0003	.0069	.0215	.951
%RSD	200.9	124.8	-61840.	17.99	200.9	536.4	79.17

Elem	Mg2790	Mn2576	Mo2020	Ni2316	P_1782	K_7664	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0165	.0014	.0030	.0002	-.0101	.0946	-.0047
SDev	.0080	.0000	.0034	.0028	.0254	.1734	.0672
%RSD	48.58	1.637	116.2	1171.	-252.2	183.4	-1444.

Elem	Si2881	Ag3280	Na5889	Sr4215	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1470	-.0030	.1131	-.0003	.0008	-.0684	-.0002
SDev	.0057	.0007	.0080	.0000	.0005	.0483	.0008
%RSD	3.908	-21.63	7.087	-.1370	54.66	-70.67	-370.5

Elem	Zn2138	HARDNS
Units	ppm	ppm
Avge	-.0477	.2417
SDev	.0008	.0396
%RSD	-1.598	16.40

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Method: EPA6010 Sample Name: LCSS ERA SOIL Operator: KEV
Run Time: 06/03/91 21:27:16
Comment: REMCOR 59303191-SOIL ANALYSIS/ METHOD 6010 LABORATORY CONTROL SAMPLE--SOIL
Mode: CONC Corr. Factor: 100

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	12500.	11.71	177.8	185.3	52.06	-.4118	7720.
SDev	15.	6.24	2.7	.1	.39	.3215	24.
%RSD	.1218	53.29	1.530	.0720	.7536	-78.07	.3049
Errors	LC High	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	11900.	40.00	330.0	272.0	64.00		9140.
Low	7130.	.0000	76.00	176.0	38.00		6280.

Elem	Cd2288	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	58.07	49.24	34.73	184.6	16990.	87.72	695.9
SDev	.43	.17	.19	.5	27.	2.94	62.7
%RSD	.6390	.3459	.5416	.2550	.1598	3.347	9.006
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	56.00	63.00	36.00	267.0	19000.	99.00	
Low	44.00	39.00	23.00	172.0	12100.	41.00	

Elem	Mg2790	Mn2576	Mo2020	Ni2316	P_1782	K_7664	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4398.	335.6	18.45	209.1	535.3	4052.	13.21
SDev	10.	.9	.43	4.3	52.5	27.	4.89
%RSD	.2220	.2607	2.306	2.049	9.803	.6603	36.99
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	4620.	379.0	22.00	270.0		4240.	14.00
Low	2760.	236.0	13.00	164.0		2930.	5.500

Elem	Si2881	Ag3280	Na5889	Sr4215	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	278.3	76.36	523.0	78.61	424.8	27.44	58.85
SDev	1.7	.28	.7	.04	.2	7.14	.32
%RSD	.4446	.3683	.1405	.0544	.0511	26.03	.5456
Errors	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High		95.00	728.0			44.00	62.00
Low		.0000	242.0			14.00	40.00

Elem	Zn2138	HARDNS
Units	ppm	ppm
Avge	300.7	37390.
SDev	.8	99.
%RSD	.2762	.2645
Errors	LC Pass	NOCHECK
High	386.0	
Low	253.0	

Method: IPA6010 Sample Name: 734182 Operator: KEV
Run Time: 06/03/91 21:30:47
mment: REMCOR 59303191-SOIL ANALYSIS/ METHOD 6010
de: DNC Corr. Factor: 86.0927

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	13300.	.9615	-1.959	195.6	.8796	4.242	3452.
SDev	19.	2.815	9.025	.2	.0758	.731	12.
%RSD	.1429	292.8	-460.7	.1038	8.617	17.23	.3572

Elem	Cd2288	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.369	16.69	10.06	16.58	16500.	15.81	639.5
SDev	.223	.10	.22	.05	39.	2.22	38.7
%RSD	9.424	.6099	2.164	.2723	.2360	14.07	6.046

Elem	Mg2790	Mn2576	Mo2020	Ni2316	P_1782	K_7664	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2367.	835.8	1.250	26.40	519.4	2230.	.4816
SDev	5.	2.0	.124	1.17	21.0	24.	6.406
%RSD	.2031	.2431	9.921	4.421	4.040	1.074	1330.

Elem	Si2881	Ag3280	Na5889	Sr4215	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	413.7	.2229	130.6	26.74	174.8	-2.829	29.22
SDev	1.1	.0603	.5	.04	.3	8.643	.11
%RSD	.2586	27.07	.4143	.1512	.1919	-305.5	.3787

Elem	Zn2138	HARDNS
Units	ppm	ppm
Avge	415.7	18370.
SDev	1.9	50.
%RSD	.4582	.2713

Method: EPA6010 **Sample Name:** 734182 1ml/5ml dil. Operator: KEV
Run Time: 06/03/91 21:34:03
Comment: REMCOR 59303191-SOIL ANALYSIS/ METHOD 6010
de: CNC Corr. Factor: 430.464

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	14750.	-6.683	4.294	210.5	.5102	4.093	3916.
SDev	43.	8.900	32.01	.8	.0342	2.013	38.
%RSD	.2939	-133.2	745.4	.3830	6.709	49.17	.9592

Elem	Cd2288	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.598	18.82	11.82	18.17	18810.	17.29	1953.
SDev	.341	.92	.75	.16	10.	12.20	164.
%RSD	9.492	4.900	6.342	.8631	.0557	70.54	8.407

Elem	Mg2790	Mn2576	Mo2020	Ni2316	P_1782	K_7664	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2669.	945.9	2.317	27.75	278.2	2412.	10.62
SDev	8.	5.6	.579	3.01	51.3	54.	16.33
%RSD	.2988	.5926	25.00	10.84	18.44	2.241	153.7

Elem	Si2881	Ag3280	Na5889	Sr4215	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	404.1	-.4430	130.3	28.61	190.1	-37.24	32.47
SDev	8.8	.5115	2.4	.22	.3	22.29	.49
%RSD	2.177	-115.5	1.840	.7519	.1746	-59.86	1.519

Elem	Zn2138	HARDNS
Units	ppm	ppm
Avge	469.6	20770.
SDev	4.5	124.
%RSD	.9528	.5968

Method: EPA6010 Sample Name: 734187 Operator: KEV
Run Time: 06/03/91 21:37:10
Comment: REMCOR 59303191-SOIL ANALYSIS/ METHOD 6010
Mode: ONC Corr. Factor: 85.3333

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	16070.	-.8625	.9007	188.0	.8518	4.287	3915.
SDev	11.	4.1078	3.270	.4	.0397	.770	20.
%RSD	.0693	-476.3	363.1	.2216	4.659	17.96	.5219

Elem	Cd2288	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.017	20.91	6.523	23.26	22420.	18.68	164.9
SDev	.171	.13	.076	.03	74.	.72	140.9
%RSD	8.473	.6445	1.159	.1463	.3318	3.838	85.42

Elem	Mg2790	Mn2576	Mo2020	Ni2316	P_1782	K_7664	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2807.	244.3	3.484	19.06	323.6	2397.	-2.209
SDev	1.	.7	.331	1.12	29.0	36.	8.181
%RSD	.0437	.3040	9.486	5.902	8.967	1.488	-370.4

Elem	Si2881	Ag3280	Na5889	Sr4215	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	422.1	.1049	87.98	27.50	183.3	-.8772	36.41
SDev	3.4	.2654	.63	.05	.1	3.0508	.24
%RSD	.7989	253.0	.7117	.1950	.0570	-347.8	.6566

Elem	Zn2138	HARDNS
Units	ppm	ppm
Avge	557.6	21340.
SDev	3.9	54.
%RSD	.7059	.2516

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Method: EPA6010 Sample Name: 734189 Operator: KEV
Run Time: 06/03/91 21:40:28
Comment: REMCOR 59303191-SOIL ANALYSIS/ METHOD 6010
Mode: CONC Corr. Factor: 82.6667

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	15030.	-.3310	3.761	177.3	.9243	9.126	3780.
SDev	9.	5.1928	6.392	.2	.0439	.560	14.
%RSD	.0609	-1569.	169.9	.1148	4.754	6.135	.3669

Elem	Cd2288	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1379	18.54	9.803	14.43	18140.	17.21	610.1
SDev	.1461	.10	.152	.05	29.	1.87	5.6
%RSD	105.9	.5268	1.548	.3384	.1599	10.89	.9200

Elem	Mg2790	Mn2576	Mo2020	Ni2316	P_1782	K_7664	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3125.	676.5	1.0000	22.34	486.2	2377.	-1.375
SDev	5.	1.4	.23457	1.34	20.4	10.	5.661
%RSD	.1705	.2044	23.46	6.005	4.191	.4389	-411.7

Elem	Si2881	Ag3280	Na5889	Sr4215	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	501.2	.1096	126.2	27.98	138.5	-2.499	30.01
SDev	2.4	.0475	.9	.01	.1	5.832	.19
%RSD	.4750	43.37	.7496	.0499	.0939	-233.4	.6416

Elem	Zn2138	HARDNS
Units	ppm	ppm
Avge	73.87	22310.
SDev	.42	49.
%RSD	.5702	.2210

Method: EPA6010 Sample Name: 734192 Operator: KEV
Run Time: 06/03/91 21:43:23
Comment: REMCOR 59303191-SOIL ANALYSIS/ METHOD 6010
Mode: CONC Corr. Factor: 82.6667

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	17000.	3.758	6.220	183.9	.9457	89.03	9516.
SDev	32.	4.230	5.957	.2	.0064	1.06	28.
%RSD	.1899	112.6	95.77	.1111	.6711	1.189	.2956

Elem	Cd2288	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0995	28.82	9.402	108.9	25530.	571.6	702.6
SDev	.2046	.07	.245	.3	46.	3.9	13.5
%RSD	205.6	.2503	2.601	.2985	.1794	.6754	1.925

Elem	Mg2790	Mn2576	Mo2020	Ni2316	P_1782	K_7664	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2142.	508.4	4.209	24.29	692.1	2391.	-3.657
SDev	11.	1.0	.763	.64	58.8	10.	5.069
%RSD	.5600	.2007	18.13	2.655	8.501	.4066	-138.6

Elem	Si2881	Ag3280	Na5889	Sr4215	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	375.8	.3959	1149.	43.20	209.2	-4.421	36.83
SDev	1.4	.0913	3.	.03	.3	7.218	.31
%RSD	.3735	23.07	.2625	.0781	.1613	-163.3	.8511

Elem	Zn2138	HARDNS
Units	ppm	ppm
Avge	336.1	36700.
SDev	.6	112.
%RSD	.1803	.3057

Method: EPA6010 Sample Name: 734192 DUPL. Operator: KEV
Run Time: 06/03/91 21:47:02
Comment: REMCOR 59303191-SOIL ANALYSIS/ METHOD 6010
Mode: CONC Corr. Factor: 82.1192

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	17610.	.5077	2.090	192.2	.9418	84.40	9941.
SDev	89.	5.785	5.704	.4	.0036	.19	83.
%RSD	.5067	1140.	272.9	.1932	.3838	.2280	.8382

Elem	Cd2288	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1663	30.39	9.504	95.13	25950.	444.9	314.1
SDev	.2273	.29	.169	.35	139.	3.3	50.4
%RSD	136.7	.9559	1.780	.3648	.5368	.7413	16.05

Elem	Mg2790	Mn2576	Mo2020	Ni2316	P_1782	K_7664	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3102.	519.1	3.970	25.94	353.0	2547.	2.258
SDev	24.	2.6	.483	1.03	35.2	28.	5.461
%RSD	.7708	.5093	12.16	3.980	9.974	1.085	241.8

Elem	Si2881	Ag3280	Na5889	Sr4215	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	381.3	.3465	1040.	45.52	253.1	1.326	39.47
SDev	2.6	.0897	9.	.07	.5	7.284	.29
%RSD	.6739	25.88	.8745	.1539	.1965	549.1	.7277

Elem	Zn2138	HARDNS
Units	ppm	ppm
Avge	330.7	37600.
SDev	1.7	130.
%RSD	.5139	.3467

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Method: EPA6010 Sample Name: 734192 SPIKE Operator: KEV
Run Time: 06/03/91 21:50:40
Comment: REMCOR 59303191-SOIL ANALYSIS/ METHOD 6010
Mode: CONC Corr. Factor: 82.6667

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	16590.	14.32	147.7	332.9	5.122	89.86	10480.
SDev	64.	2.57	5.7	.7	.061	.72	70.
%RSD	.3848	17.96	3.826	.2096	1.194	.8008	.6714

Elem	Cd2288	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.673	43.95	44.82	132.7	26030.	590.0	537.0
SDev	.052	.23	.45	.4	53.	1.3	42.8
%RSD	1.114	.5338	.9943	.3089	.2045	.2222	7.979

Elem	Mg2790	Mn2576	Mo2020	Ni2316	P_1782	K_7664	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3059.	595.7	3.135	60.51	495.2	2327.	165.7
SDev	15.	2.4	.402	1.43	58.0	21.	8.7
%RSD	.5065	.4011	12.81	2.366	11.71	.8857	5.240

Elem	Si2881	Ag3280	Na5889	Sr4215	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	637.9	.7730	1090.	45.89	216.3	135.2	75.81
SDev	6.1	.0681	5.	.09	.4	12.5	.32
%RSD	.9555	8.815	.4337	.1980	.1810	9.237	.4164

Elem	Zn2138	HARDNS
Units	ppm	ppm
Avge	422.7	38760.
SDev	2.1	212.
%RSD	.4980	.5468

Method: EPA6010 Sample Name: PREP BLANK Operator: KEV
Run Time: 06/03/91 20:44:12
Comment: REMCOR 59303191- SOIL ANALYSIS/ METHOD 6010 CORRECTION FACTOR: 100 TO CONVERT TO mg/kg
Mode: ONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0856	-.0211	.0127	.0070	-.0007	-.0036	9.061
SDev	.0174	.0350	.0132	.0005	.0009	.0047	.114
%RSD	20.30	-166.3	104.5	6.438	-132.6	-129.6	1.261

Elem	Cd2288	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	.0028	.0013	.0020	.0135	.0224	8.989
SDev	.0015	.0029	.0018	.0012	.0107	.0204	1.091
%RSD	371.2	102.5	136.1	61.00	79.44	90.89	12.13

Elem	Mg2790	Mn2576	Mo2020	Ni2316	P_1782	K_7664	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3797	.0077	-.0015	-.0003	.0717	.1197	.0431
SDev	.0130	.0005	.0030	.0042	.0902	.4531	.0236
%RSD	3.417	6.418	-197.7	-1596.	125.8	378.7	54.89

Elem	Si2881	Ag3280	Na5889	Sr4215	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2590	-.0018	.1196	.0056	.0016	-.0172	-.0006
SDev	.0123	.0013	.0081	.0003	.0005	.0449	.0022
%RSD	4.739	-70.34	6.789	6.005	33.09	-261.7	-342.7

Elem	Zn2138	HARDNS
Units	ppm	ppm
Avge	.0962	24.19
SDev	.0037	.34
%RSD	3.830	1.398

Method: EPA6010 Sample Name: LCSS ERA SOIL Operator: KEV
Run Time: 06/03/91 20:47:10
Comment: REMCOR 59303191- SOIL ANALYSIS/ METHOD 6010
Code: CNC Corr. Factor: 100

LABORATORY CONTROL SAMPLE--SOIL

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	12240.	5.844	163.0	178.5	50.31	.3748	7798.
SDev	28.	4.236	7.0	.1	.33	.3963	31.
%RSD	.2259	72.47	4.313	.0536	.6585	105.7	.3960
Errors	LC High	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	11900.	40.00	330.0	272.0	64.00		9140.
Low	7130.	.0000	76.00	176.0	38.00		6280.

Elem	Cd2288	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	57.62	46.90	33.91	186.5	16650.	82.95	314.4
SDev	.95	.30	.26	.3	47.	3.23	60.6
%RSD	1.408	.6356	.7521	.1833	.2851	3.894	19.28
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	36.00	63.00	36.00	267.0	19000.	99.00	
Low	14.00	39.00	23.00	172.0	12100.	41.00	

Elem	Mg2790	Mn2576	Mo2020	Ni2316	P_1782	K_7664	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4344.	316.9	17.38	208.4	307.6	3941.	10.37
SDev	12.	1.0	1.17	.9	49.3	24.	1.59
%RSD	.2840	.3058	6.750	.4300	16.04	.6193	15.30
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	4620.	379.0	22.00	270.0		4240.	14.00
Low	2760.	236.0	13.00	164.0		2930.	5.500

Elem	Si2881	Ag3280	Na5889	Sr4215	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	618.3	77.01	513.3	76.18	399.2	23.38	57.57
SDev	8.6	.38	1.0	.04	.4	6.14	.27
%RSD	1.395	.4926	.1916	.0549	.1104	26.26	.4609
Errors	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High		95.00	728.0			44.00	62.00
Low		.0000	242.0			14.00	40.00

Elem	Zn2138	HARDNS
Units	ppm	ppm
Avge	296.8	37360.
SDev	1.1	127.
%RSD	.3605	.3403
Errors	LC Pass	NOCHECK
High	386.0	
Low	253.0	

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Method: EPA6010 Sample Name: 735182 Operator: KEV
Run Time: 06/03/91 20:51:37
Comment: REMCOR 59303191- SOIL ANALYSIS/ METHOD 6010
Mode: CONC Corr. Factor: 82

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	17090.	1.368	5.185	157.7	.8825	.9293	3277.
SDev	7.	3.190	3.752	.4	.0426	.4384	13.
%RSD	.0438	233.2	72.37	.2663	4.830	47.17	.3905

Elem	Cd2288	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.4203	23.92	7.912	17.38	22270.	12.68	733.4
SDev	.3069	.10	.341	.07	24.	2.71	27.0
%RSD	-73.02	.4201	4.309	.4140	.1091	21.34	3.685

Elem	Mg2790	Mn2576	Mo2020	Ni2316	P_1782	K_7664	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3044.	241.7	1.738	22.40	360.9	2934.	-1.146
SDev	4.	.5	.993	.26	25.0	20.	6.414
%RSD	.1403	.2031	57.14	1.139	6.923	.6960	-559.8

Elem	Si2881	Ag3280	Na5889	Sr4215	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	620.3	.1471	116.4	24.71	130.6	3.557	38.84
SDev	3.4	.1012	.4	.05	.0	6.140	.12
%RSD	.5503	68.80	.3594	.2074	.0298	172.6	.3127

Elem	Zn2138	HARDNS
Units	ppm	ppm
Avge	66.59	20720.
SDev	.32	47.
%RSD	.4851	.2293

Method: EPA6010 Sample Name: 735182 1ml/5ml dil. Operator: KEV
Run Time: 06/03/91 20:55:06
mment: REMCOR 59303191- SOIL ANALYSIS/ METHOD 6010
de: CONC Corr. Factor: 410

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	18220.	.5310	25.06	162.7	.0488	-.1409	3456.
SDev	87.	.7803	13.59	.4	.5481	2.7808	45.
%RSD	.4749	147.0	54.24	.2587	1124.	-1974.	1.302

Elem	Cd2288	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0790	26.71	6.464	18.08	24410.	11.77	3110.
SDev	1.161	.60	.124	.32	56.	1.13	99.
%RSD	1470.	2.246	1.923	1.768	.2288	9.613	3.197

Elem	Mg2790	Mn2576	Mo2020	Ni2316	P_1782	K_7664	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3305.	260.1	1.131	22.14	456.5	3116.	-1.795
SDev	3.	1.8	1.562	.30	124.8	10.	17.962
%RSD	.0763	.6861	138.2	1.376	27.34	.3248	-1001.

Elem	Si2881	Ag3280	Na5889	Sr4215	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	575.9	-.0815	153.8	25.13	134.2	4.161	40.88
SDev	6.9	.3293	.8	.04	.1	16.47	.32
%RSD	1.200	-403.9	.5496	.1749	.0408	395.9	.7719

Elem	Zn2138	HARDNS
Units	ppm	ppm
Avge	57.00	22240.
SDev	.92	123.
%RSD	1.613	.5518

Method: EPA6010 Sample Name: 735184 Operator: KEV
Run Time: 06/03/91 20:59:16
Comment: REMCOR 59303191- SOIL ANALYSIS/ METHOD 6010
Mode: CONC Corr. Factor: 78

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	11620.	6.642	5.905	187.5	.8163	14.36	16440.
SDev	262.	3.082	4.201	1.1	.0042	.36	268.
%RSD	2.254	46.40	71.14	.6069	.5104	2.489	1.632

Elem	Cd2288	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3036	17.79	10.48	22.28	20100.	70.99	267.9
SDev	.2522	.44	.41	.30	174.	2.11	87.8
%RSD	83.07	2.492	3.900	1.337	.8639	2.977	32.78

Elem	Mg2790	Mn2576	Mo2020	Ni2316	P_1782	K_7664	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2657.	608.8	2.205	24.87	330.3	1822.	-.2989
SDev	82.	4.9	1.548	1.73	43.3	72.	2.3298
%RSD	3.073	.7970	70.19	6.953	13.11	3.965	-779.5

Elem	Si2881	Ag3280	Na5889	Sr4215	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	351.6	-.2782	148.2	86.06	87.41	.2427	26.49
SDev	3.6	.1057	4.6	.28	.29	5.921	.53
%RSD	1.021	-38.01	3.129	.3309	.3330	2440.	2.006

Elem	Zn2138	HARDNS
Units	ppm	ppm
Avge	97.52	52000.
SDev	.54	368.
%RSD	.5554	.7081

Method: EPA6010 Sample Name: 735190 Operator: KEV
Run Time: 06/03/91 21:02:18
Comment: REMCOR 59303191- SOIL ANALYSIS/ METHOD 6010
Mode: CONC Corr. Factor: 82.6667

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	14700.	.4391	4.179	201.5	1.024	11.48	5366.
SDev	30.	3.733	11.28	.2	.067	.13	21.
%RSD	.2066	850.2	269.8	.0843	6.500	1.098	.3884

Elem	Cd2288	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2417	19.42	13.11	14.76	21830.	15.79	540.7
SDev	.2592	.20	.22	.09	50.	1.28	62.7
%RSD	107.2	1.033	1.707	.6096	.2279	8.136	11.60

Elem	Mg2790	Mn2576	Mo2020	Ni2316	P_1782	K_7664	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1971.	715.1	.8162	26.72	855.0	2217.	2.992
SDev	8.	1.7	.4565	1.22	97.4	17.	6.228
%RSD	.2703	.2398	55.93	4.579	11.39	.7656	208.1

Elem	Si2881	Ag3280	Na5889	Sr4215	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	467.9	.1208	137.0	35.13	137.2	-1.851	35.09
SDev	3.9	.1868	.8	.03	.3	3.711	.55
%RSD	.8316	154.6	.5716	.0979	.2345	-200.5	1.578

Elem	Zn2138	HARDNS
Units	ppm	ppm
Avge	56.84	25630.
SDev	.11	79.
%RSD	.1650	.3068

Method: EPA6010 Sample Name: 735190 dupl. Operator: KEV
Run Time: 06/03/91 21:05:13
Comment: REMCOR 59303191- SOIL ANALYSIS/ METHOD 6010
Mode: CONC Corr. Factor: 82.6667

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	15220.	1.012	1.142	202.7	.9668	13.96	4565.
SDev	15.	2.637	3.528	.1	.0373	.48	4.
%RSD	.0980	260.5	308.9	.0596	3.855	3.443	.0803

Elem	Cd2288	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2812	19.60	10.76	15.21	19570.	17.52	693.5
SDev	.2528	.15	.17	.07	29.	.92	33.3
%RSD	89.89	.7469	1.540	.4317	.1476	5.272	4.801

Elem	Mg2790	Mn2576	Mo2020	Ni2316	P_1782	K_7664	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2941.	570.1	1.075	24.75	760.8	2270.	-2.112
SDev	5.	.6	.550	.34	32.5	15.	4.138
%RSD	.1579	.1043	51.16	1.364	4.278	.6649	-195.9

Elem	Si2881	Ag3280	Na5889	Sr4215	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	495.2	.1723	127.9	33.07	135.0	1.003	34.17
SDev	1.8	.0246	.5	.03	.1	7.684	.08
%RSD	.3633	14.29	.3658	.0951	.1083	766.2	.2336

Elem	Zn2138	HARDNS
Units	ppm	ppm
Avge	71.06	23510.
SDev	.14	24.
%RSD	.2012	.1034

Method: EPA6010 Sample Name: 735190 SPIKE Operator: KEV
Run Time: 06/03/91 21:08:54
Comment: REMCOR 59303191- SOIL ANALYSIS/ METHOD 6010
Mode: CONC Corr. Factor: 82.6667

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	15830.	9.708	156.1	388.9	5.689	17.52	4671.
SDev	21.	4.411	5.3	.4	.082	.56	10.
%RSD	.1346	45.44	3.408	.0978	1.443	3.170	.2116

Elem	Cd2288	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.180	35.87	50.69	34.55	20340.	56.86	727.4
SDev	.390	.25	.26	.10	30.	1.98	53.2
%RSD	7.537	.6933	.5177	.2915	.1458	3.478	7.309

Elem	Mg2790	Mn2576	Mo2020	Ni2316	P_1782	K_7664	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3082.	622.4	1.791	64.56	483.7	2390.	151.0
SDev	5.	.8	.845	1.17	84.1	17.	7.5
%RSD	.1506	.1352	47.20	1.807	17.39	.6996	4.975

Elem	Si2881	Ag3280	Na5889	Sr4215	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	644.7	2.476	143.9	34.38	169.3	146.3	77.85
SDev	5.5	.093	.6	.05	.2	10.7	.14
%RSD	.8484	3.750	.4003	.1384	.1213	7.283	.1785

Elem	Zn2138	HARDNS
Units	ppm	ppm
Avge	121.1	24360.
SDev	.4	40.
%RSD	.3584	.1622

Method: EPA6010 Sample Name: CCV-2 Operator: KEV
Run Time: 06/03/91 21:12:37
Comment: CALIBRATION VERIFICATION
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.071	1.056	1.063	1.025	H1.128	1.038	H1.197
SDev	.030	.060	.054	.002	.002	.016	.017
%RSD	1.433	5.650	5.043	.1976	.1644	1.524	1.441
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC High
High	2.200	1.100	1.100	1.100	1.100	1.100	1.100
Low	1.800	.9000	.9000	.9000	.9000	.9000	.9000

Elem	Cd2288	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.066	1.021	1.030	.9166	H2.251	.9940	H3.437
SDev	.018	.004	.003	.0003	.034	.0124	.771
%RSD	1.725	.4051	.2560	.0338	1.513	1.243	22.42
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC High
High	1.100	1.100	1.100	1.100	2.200	1.100	1.100
Low	.9000	.9000	.9000	.9000	1.800	.9000	.9000

Elem	Mg2790	Mn2576	Mo2020	Ni2316	P_1782	K_7664	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.034	1.012	.9370	1.029	L.5529	9.925	.9108
SDev	.025	.007	.0109	.014	.0287	.079	.0204
%RSD	2.375	.7218	1.166	1.327	5.195	.7910	2.239
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass	LC Pass
High	1.100	1.100	1.100	1.100	1.100	11.00	1.100
Low	.9000	.9000	.9000	.9000	.9000	9.000	.9000

Elem	Tl2881	Ag3280	Na5889	Sr4215	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.043	1.001	5.272	1.019	.9900	L.8816	.9446
SDev	.019	.012	.016	.001	.0015	.0547	.0020
%RSD	1.803	1.220	.2974	.1133	.1493	6.204	.2135
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	1.100	1.100	5.500	1.100	1.100	1.100	1.100
Low	.9000	.9000	4.500	.9000	.9000	.9000	.9000

Elem	In2138	HARDNS
Units	ppm	ppm
Avge	1.117	7.245
SDev	.011	.141
%RSD	.9980	1.951
Errors	LC High	NOCHECK
High	.100	
Low	.9000	

Analysis Report Mon 06-03-91 09:18:14 PM page 1

Method: EPA6010 Sample Name: CCB -2 Operator: KEV
Run Time: 06/03/91 21:15:45
Comment: CALIBRATION VERIFICATION
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H.0742	-.0061	.0031	.0004	L-.0012	-.0037	.0020
SDev	.0121	.0235	.0298	.0004	.0004	.0019	.0070
%RSD	16.26	-384.1	948.8	92.10	-35.50	-51.50	343.3
Errors	LC High	LC Pass	LC Pass	LC Pass	LC Low	LC Pass	LC Pass
High	.0600	.0400	.0400	.0010	.0010	.0090	.0450
Low	-.0600	-.0400	-.0400	-.0010	-.0010	-.0090	-.0450

Elem	Cd2288	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0007	.0010	-.0005	.0000	.0214	.0047	H6.936
SDev	.0018	.0016	.0017	.001	.0019	.0203	.792
%RSD	267.0	150.9	-372.9	-1990.	9.004	429.2	11.42
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	.0020	.0020	.0030	.0040	.1000	.0300	.25
Low	-.0020	-.0020	-.0030	-.0040	-.1000	-.0300	-.25

Elem	Mg2790	Mn2576	Mo2020	Ni2316	P_1782	K_7664	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0014	.0002	.0007	.0046	H.0458	-.0692	.0146
SDev	.0069	.0004	.0014	.0070	.0692	.1061	.0311
%RSD	490.6	191.7	205.0	151.8	151.0	-153.3	212.9
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass
High	.075	.0010	.0040	.0070	.0270	.5	.0350
Low	-.075	-.0010	-.0040	-.0070	-.0270	-.5	-.0350

Elem	Si2881	Ag3280	Na5889	Sr4215	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0214	-.0013	.0012	-.0004	.0003	L-.0597	-.0010
SDev	.0027	.0011	.0049	.0002	.0003	.0323	.0012
%RSD	-12.71	-84.87	421.4	-62.37	121.4	-54.21	-116.0
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	.0170	.0030	.0220	.0005	.0005	.0300	.0010
Low	-.0170	-.0030	-.0220	-.0005	-.0005	-.0300	-.0010

Elem	Zn2138	HARDNS
Units	ppm	ppm
Avge	.0009	.0109
SDev	.0016	.0381
%RSD	169.9	349.7
Errors	LC Pass	NOCHECK
High	.0020	
Low	-.0020	

DIGESTION LOG
&
% SOLIDS LOG

PSI INORGANIC CHEMISTRY

ICP/GFAA DIGESTION LOG

Matrix: Soil

Method: 3050

Samples prepared by: C. Koes

Date (s) prepared: 5-6-91

Sample I.D.	ICP Initial wt./vol.	ICP Final Vol.	ICP Dilution Factor	GFAA Initial wt./vol.	GFAA Final Vol.	GFAA Dilution Factor	Initials	Comments:
Prep Blank		100ml					CF	
Lab Ctrl. Spl.	1.00							LCS #- CLP # 1
1 735247	1.50		1.27					
2 248	1.50		1.28					
3 249	1.50		1.31					
4 250	1.50		1.28					
5 251	1.50		1.29					
6 252	1.50		1.37					
7 253	1.50		1.33					
8 254	1.50		1.38					
9 255	1.50		1.42					
10 256	1.50		1.33					
256 DUP	1.50		1.38					
256 SPK	1.50		1.35					
1 257	1.50		1.34					
2 258	1.50		1.25					
3 259	1.50		1.25					
4 260	1.50		1.23					
5 261	1.50		1.23					
6 262	1.50		1.27					
7 263	1.50		1.27					
8 043	1.50		1.33					
9 734974	1.50							
10 975	1.50							
975 DUP	1.50							
975 SPK	1.50							
976	1.50							
77	1.50							
78	1.50	100ml						
79	1.50							
80	1.50	100ml					CF	

ICPGFAA

PSI INORGANIC CHEMISTRY

ICP/GFAA DIGESTION LOG

Matrix: Soil

Method: 3050

Samples prepared by: C. Ferris

Date (s) prepared: 5-6-91

Sample I.D.	ICP Initial wt./vol.	ICP Final Vol.	ICP Dilution Factor	GFAA Initial wt./vol.	GFAA Final Vol.	GFAA Dilution Factor	Initials	Comments:
Prep Blank								
Lab Ctrl. Spl.							CF	LCS #- ERA-591
1 239981	1.50	100ml						
2 982	1.50							
3								
4								
5								
6								
7								
8								
9								
10								
982 DUP	1.50							
982 SPK	1.50	100ml					CF	
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
DUP								
SPK								
								~~000115~~

ICPGFAA

PSI INORGANIC CHEMISTRY

ICP/GFAA DIGESTION LOG

Matrix: Soil

Samples prepared by: C. Fox

Method: 3050

Date (s) prepared: 5-30-91

Sample I.D.	ICP			GFAA				
	Initial wt./vol.	Final Vol.	Dilution Factor	Initial wt./vol.	Final Vol.	Dilution Factor	Initials	Comments:
Prep Blank		100ml					CF	
Lab Ctrl. Spl.	1.00							LCS #- EPA Soil
1 73 192	1.51		1.30					
2 187	1.50		1.28					
3 189	1.50		1.24					
4 192	1.50		1.24					
5 232	1.50		1.27					
6 497	1.50		1.19					
7 647	1.50							
8								
9								
10								
192 DUP	1.51		1.24					
192 SPK	1.50	100ml	1.24				CF	
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
DUP								
SPK								
								000116

ICPGFAA

PSI INORGANIC CHEMISTRY

ICP/GFAA DIGESTION LOG

Matrix: Soil

Method: 3050

Samples prepared by: C. Fong

Date (s) prepared: 5-3-91

Sample I.D.	ICP Initial wt./vol.	ICP Final Vol.	ICP Dilution Factor	GFAA Initial wt./vol.	GFAA Final Vol.	GFAA Dilution Factor	Initials	Comments:
Prep Blank		100ml					CF	
Lab Ctrl. Spl.	1.00							LCS #- ERA Soil
1 775/182	1.50		1.23					
2 183	1.50		1.29					
3 184	1.50		1.17					
4 185	1.50		1.20					
5 186	1.50		1.20					
6 187	1.50		1.23					
7 188	1.50		1.29					
8 189	1.50		1.22					
9 190	1.50		1.24					
10 191	1.50		1.22					
190 DUP	1.50		1.24					
190 SPK	1.50		1.24					
1 192	1.50		1.22					
2 193	1.50		1.29					
3 194	1.50		1.22					
4 195	1.50		1.19					
5 196	1.50		1.19					
6 197	1.50	100ml	1.37				CF	
7								
8								
9								
10								
DUP								
SPK								

600117

ICPGFAA

% SOLIDS DETERMINATION LOG

% solids = [(Dry wt. + weighing dish) - weighing dish]/Wet wt. * 100

Sample #	Weighing Dish (g)	Wet Wt. (g)	Dry wt. + Weighing dish (g)	% Solids	Initials	Date
734 / 179	0.98	7.65	7.59	86.4	CF	4-8-91
180	0.99	7.28	7.12	84.2		
181	0.97	7.43	7.46	87.3		
82	0.97	8.45	7.47	76.7		
83	0.97	6.30	5.96	79.2		
84	0.97	11.61	9.94	77.3		
85	0.98	6.68	5.96	74.6		
86	0.98	7.20	6.86	81.7		
87	0.98	7.60	6.91	78.0		
88	0.98	8.46	7.74	79.9		
89	0.98	7.22	6.82	80.9		
90	1.00	7.62	7.16	80.8		
91	0.98	7.32	7.04	82.8		
92	0.98	8.87	8.13	80.6		
93	0.98	8.26	7.46	78.4	CF	
041	0.98	6.23	7.01	76.8 1.03		
043	0.98	6.71	6.83	87.2		
044	0.98	6.67	6.41	81.4		
045	0.99	8.84	7.34	71.8		
046	0.99	8.14	8.03	86.5		

% SOLIDS DETERMINATION LOG

% solids = [(Dry wt. + weighing dish) - weighing dish]/Wet wt. * 100

Sample #	Weighing Dish (g)	Wet Wt. (g)	Dry wt. + Weighing dish (g)	% Solids	Initials	Date
734230	0.98	7.86	7.21	79.2	KK	4/11/91
231	0.98	8.43	7.69	79.6		
232	0.98	7.64	7.00	78.8		
233	0.98	7.55	7.00	79.7		
234	0.98	6.27	6.04	80.7		
235	0.98	6.64	6.27	79.7		
236	.98	7.31	7.69	85.9	KK	4/11/91
~~[illegible]~~						
328	0.98	7.28	6.82	80.2	KK	4/12/91
329	0.98	6.08	5.77	78.8		
330	0.98	7.83	7.85	87.7	KK	4/12/91

% SOLIDS DETERMINATION LOG

% solids = [(Dry wt. + weighing dish) - weighing dish]/Wet wt. * 100

Sample #	Weighing Dish (g)	Wet Wt. (g)	Dry wt. + Weighing dish (g)	% Solids	Initials	Date
734562	0.98	7.13	6.50	77.4	CF/KK	4/15-4/16
363	0.98	8.32	7.67	80.4		
413	0.99	6.17	5.93	80.2		
414	0.99	6.28	6.48	87.6		
415	0.98	6.81	6.81	85.7		
416	0.98	7.07	7.13	87.0		
417	0.99	6.29	6.25	83.8		
418	0.98	6.36	5.59	72.5		
419	0.99	7.69	6.72	74.6		
420	0.98	6.97	6.13	73.9		
734441	0.98	6.95	6.23	75.5	CF/KK	4/15-4/16/91
734178	0.98	14.51	4.08	21.4		
484	0.98	8.53	8.28	85.6		
517	0.98	6.31	6.29	84.2	CF	4/18
549	0.98	6.61	6.63	85.5		
550	0.98	7.78	8.05	90.9		
610	0.99	7.71	7.27	81.4	CF/KK	4/22, 23
611	0.99	8.43	8.00	83.1		
612	0.99	7.62	7.23	81.9		
613	0.99	6.66	6.48	82.7	CF/KK	

% SOLIDS DETERMINATION LOG

% solids = [(Dry wt. + weighing dish) - weighing dish]/Wet wt. * 100

Sample #	Weighing Dish (g)	Wet Wt. (g)	Dry wt. + Weighing dish (g)	% Solids	Initials	Date
735182	0.99	6.12	5.95	81.2	KK	
183	0.98	7.14	6.50	77.3		
84	0.98	6.51	6.53	85.2		
85	0.97	6.50	6.41	83.5		
86	0.98	6.16	6.13	83.6		
87	0.98	6.83	6.52	81.1		
88	0.98	6.51	6.29	77.7		
89	0.97	6.38	6.21	81.8		
90	0.98	7.63	7.14	80.7		
91	0.98	6.02	5.91	82.0		
92	0.98	6.48	6.27	82.3		
93	0.98	9.26	8.18	77.8		
94	0.98	6.25	6.12	82.2		
95	0.98	6.76	6.64	83.7		
96	0.98	6.65	6.55	83.8		
435197	0.98	7.93	6.77	73.0	KK	

% SOLIDS DETERMINATION LOG

% solids = [(Dry wt. + weighing dish) - weighing dish]/Wet wt. * 100

Sample #	Weighing Dish (g)	Wet Wt. (g)	Dry wt. + Weighing dish (g)	% Solids	Initials	Date
735449	0.97	6.04	5.60		CF	5-5-91
735450	0.97	6.18	5.65		"	5-5-91
351	0.97	6.22	5.38	70.9	DP	5-15-91
~~735527~~						
530	0.97	6.61	4.52	53.7	MC/RF	5-22-91
531	0.97	6.49	5.62	71.6	MC/RF	5-22-91
736172	0.96	9.99				
173	0.96	8.73				
167	0.98	8.22				
168	0.98	6.52				
735817	0.99	6.03	6.47	91.0	CF/KK	6/4/91
820	0.99	5.70	5.89	86.1	CF/KK	
824	0.98	6.06	6.41	89.6	CF/KK	
827	0.98	5.97	6.31	89.2	CF/KK	
831	0.98	6.14	6.37	87.8	CF/KK	
734979	0.98	6.14	4.82	62.5	CF/LA	12/4/91
980	0.97	6.30	6.11	81.6		
981	0.96	6.48	6.01	77.9		
982	0.98	6.36	5.33	68.4		
642	0.98	5.96	5.94	83.2		
						000122

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Sampling, testing, mobile labs
450 William Pitt Way
Pittsburgh, PA 15238

ANALYTICAL REPORT

PROJECT NO. 90247 ARMCO UNION WIRE ROPE

WADSWORTH/ALERT PROJECT NO. 2773

Presented to :

David P. Cercone

REMCOR, INC.

WADSWORTH/ALERT LABORATORIES, INC.

Thomas Tomayko
Project Manager

Renee' Gigliotti
Quality Assessment Group Leader - Pittsburgh

May 16, 1991

CORPORATE AND LABORATORY: North Canton, Ohio (216) 497-9396
LABORATORY: Cleveland, Ohio (216) 642-9151
LABORATORY: Pittsburgh, Pennsylvania (412) 826-5477
LABORATORY: Bartow, Florida (813) 533-2150
SOUTHEAST REGIONAL OFFICE: Lexington, South Carolina (803) 957-6590
24-HOUR ALERT LINE (216) 497-9338

WADSWORTH/ALERT
LABORATORIES, INC.

NARRATIVE

The following report contains the analytical results for samples submitted to Wadsworth/ALERT Laboratories, Inc. The samples were received into the laboratory in accordance with documented sample acceptance procedures.

Wadsworth/ALERT Laboratories, Inc. utilizes USEPA approved methods and instrumentation in all analytical work. The methods used for the analyses presented in this study can be found on the following pages. A summary of QC data for these analyses is included at the rear of the report.

WADSWORTH/ALERT
LABORATORIES, INC.

ANALYTICAL METHODS

Wadsworth/ALERT Laboratories, Inc. utilizes only USEPA approved analytical methods and instrumentation. The analytical methods used in the analyses of these samples are listed below.

Parameters	Methods
Organics:	
Volatile Organic Compounds	SW846 8240

SW: SW846-Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, Third Edition, EPA, September, 1986.

WADSWORTH/ALERT
LABORATORIES, INC.

COMPANY: REMCOR, INC.
LAB #: 2773-26875
MATRIX : SOLID

DATE RECEIVED: 5/ 3/91
DATE EXTRACTED: 5/15/91
DATE ANALYZED: 5/15/91

SAMPLE ID : 05-08-200-VOA 5-01-91

VOLATILE ORGANICS
USEPA METHOD 8240 - GC/MS

Acrolein	ND**	1,2-Dichloroethene (Total)	ND
Acrylonitrile	ND**	1,2-Dichloropropane	ND
Benzene	ND	cis-1,3-Dichloropropene	ND
		trans-1,3-Dichloropropene	ND
Bromodichloromethane	ND	Ethylbenzene	ND
Bromoform	ND	Methylene chloride	15
Bromomethane	ND*	1,1,2,2-Tetrachloroethane	ND
Carbon tetrachloride	ND	Tetrachloroethene	ND
Chlorobenzene	ND	Toluene	ND
Chloroethane	ND*	1,1,1-Trichloroethane	ND
2-Chloroethylvinyl ether	ND*	1,1,2-Trichloroethane	ND
Chloroform	ND	Trichloroethene	ND
Chloromethane	ND*		
Dibromochloromethane	ND	Vinyl chloride	ND*
1,1-Dichloroethane	ND		
1,2-Dichloroethane	ND		
1,1-Dichloroethene	ND		

NOTE:
ND (None Detected, lower detectable limit = 6.0 ug/kg) dry weight
ND* (None Detected, lower detectable limit = 12 ug/kg) dry weight
ND** (None Detected, lower detectable limit = 60 ug/kg) dry weight
J (Detected, but below quantitation limit; estimated value)
B (Compound detected in method blank associated with this sample)
-- (Not Analyzed)

SURROGATE RECOVERY:	**%**	**ACCEPTABLE LIMITS** WATER	SOLID
1,2-Dichloroethane	96	(76-114)	(70-121)
Toluene-d8	114	(88-110)	(81-117)
Bromofluorobenzene	84	(86-115)	(74-121)

WADSWORTH/ALERT
LABORATORIES, INC.

COMPANY: REMCOR, INC.
LAB #: 2773-26876
MATRIX : SOLID

DATE RECEIVED: 5/ 3/91
DATE EXTRACTED: 5/15/91
DATE ANALYZED: 5/15/91

SAMPLE ID : 05-08-203-VOA 5-01-91

VOLATILE ORGANICS
USEPA METHOD 8240 - GC/MS

Acrolein	ND**	1,2-Dichloroethene (Total)	ND
Acrylonitrile	ND**	1,2-Dichloropropane	ND
Benzene	ND	cis-1,3-Dichloropropene	ND
		trans-1,3-Dichloropropene	ND
Bromodichloromethane	ND	Ethylbenzene	5.0 J
Bromoform	ND	Methylene chloride	ND*
Bromomethane	ND*	1,1,2,2-Tetrachloroethane	ND
Carbon tetrachloride	ND	Tetrachloroethene	ND
Chlorobenzene	ND	Toluene	ND
Chloroethane	ND*	1,1,1-Trichloroethane	ND
2-Chloroethylvinyl ether	ND*	1,1,2-Trichloroethane	ND
Chloroform	ND	Trichloroethene	ND
Chloromethane	ND*		
Dibromochloromethane	ND	Vinyl chloride	ND*
1,1-Dichloroethane	ND		
1,2-Dichloroethane	ND		
1,1-Dichloroethene	ND		

NOTE:
ND (None Detected, lower detectable limit = 6.0 ug/kg) dry weight
ND* (None Detected, lower detectable limit = 12 ug/kg) dry weight
ND** (None Detected, lower detectable limit = 60 ug/kg) dry weight
J (Detected, but below quantitation limit; estimated value)
B (Compound detected in method blank associated with this sample)
-- (Not Analyzed)

SURROGATE RECOVERY:	**%**	**ACCEPTABLE LIMITS** WATER	SOLID
1,2-Dichloroethane	97	(76-114)	(70-121)
Toluene-d8	107	(88-110)	(81-117)
Bromofluorobenzene	83	(86-115)	(74-121)

WADSWORTH/ALERT
LABORATORIES, INC.

COMPANY: REMCOR, INC.
LAB #: 2773-26877
MATRIX : SOLID

DATE RECEIVED: 5/ 3/91
DATE EXTRACTED: 5/15/91
DATE ANALYZED: 5/15/91

SAMPLE ID : 05-08-206-VOA 5-01-91

VOLATILE ORGANICS
USEPA METHOD 8240 - GC/MS

Acrolein	ND**	1,2-Dichloroethene (Total)	3.7 J
Acrylonitrile	ND**	1,2-Dichloropropane	ND
Benzene	ND	cis-1,3-Dichloropropene	ND
		trans-1,3-Dichloropropene	ND
Bromodichloromethane	ND	Ethylbenzene	ND
Bromoform	ND	Methylene chloride	19
Bromomethane	ND*	1,1,2,2-Tetrachloroethane	ND
Carbon tetrachloride	ND	Tetrachloroethene	ND
Chlorobenzene	ND	Toluene	ND
Chloroethane	ND*	1,1,1-Trichloroethane	ND
2-Chloroethylvinyl ether	ND*	1,1,2-Trichloroethane	ND
Chloroform	ND	Trichloroethene	ND
Chloromethane	ND*		
Dibromochloromethane	ND	Vinyl chloride	ND*
1,1-Dichloroethane	ND		
1,2-Dichloroethane	ND		
1,1-Dichloroethene	ND		

NOTE:
ND (None Detected, lower detectable limit = 6.0 ug/kg) dry weight
ND* (None Detected, lower detectable limit = 12 ug/kg) dry weight
ND** (None Detected, lower detectable limit = 60 ug/kg) dry weight
J (Detected, but below quantitation limit; estimated value)
B (Compound detected in method blank associated with this sample)
-- (Not Analyzed)

SURROGATE RECOVERY:	**%**	**ACCEPTABLE LIMITS** WATER	SOLID
1,2-Dichloroethane	105	(76-114)	(70-121)
Toluene-d8	109	(88-110)	(81-117)
Bromofluorobenzene	92	(86-115)	(74-121)

WADSWORTH/ALERT
LABORATORIES, INC.

QUALITY CONTROL SECTION

WADSWORTH/ALERT
LABORATORIES, INC.

CASE NARRATIVE

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan. All data have been found to be compliant.

WADSWORTH/ALERT
LABORATORIES, INC.

MATRIX SPIKE DATA

LAB ID	PARAMETER	SPIKE PERCENT RECOVERY	SPK/DUP PERCENT RECOVERY	SPIKE MATRIX	QC CONTROL LIMITS
	GC/MS VOLATILE COMPOUNDS				
26873	1,1-Dichloroethene	105	114	SOLID	(59-172)
	Trichloroethene	91	89		(62-137)
	Chlorobenzene	95	90		(66-142)
	Toluene	113	111		(59-139)
	Benzene	107	105		(60-133)

WADSWORTH/ALERT
LABORATORIES, INC.

CHECK SAMPLE DATA

LAB ID	PARAMETER	SPIKE PERCENT RECOVERY	SPIKE MATRIX	QC CONTROL LIMITS
	GC/MS VOLATILE COMPOUNDS			
26872	1,1-Dichloroethene	136	SOLID	(59-172)
	Trichloroethene	113		(62-137)
	Chlorobenzene	121		(66-142)
	Toluene	122		(59-139)
	Benzene	121		(60-133)

WADSWORTH/ALERT
LABORATORIES, INC.

COMPANY: Wadsworth/Alert Laboratories
LAB#: 9091-90515
MATRIX: WATER

DATE RECEIVED: NA
DATE EXTRACTED: NA
DATE ANALYZED: 5/15/91

SAMPLE ID: INTRA-LAB BLANK, 5/15/91

NPDES VOLATILE ORGANICS USEPA METHOD 8240
BLANK COMPOUND LIST-GC/MS

Acrolein	ND**	1,2-Dichloroethane	ND
Acrylonitrile	ND**	1,1-Dichloroethene	ND
Benzene	ND	1,2-Dichloroethene (Total)	ND
Bromodichloromethane	ND	1,2-Dichloroporpane	ND
Bromoform	ND	cis-1,3-Dichloropropene	ND
Bromomethane	ND*	trans-1,3-Dichloropropene	ND
Carbon tetrachloride	ND	Ethylbenzene	ND
Chlorobenzene	ND	Methylene Chloride	ND*
Chloroethane	ND*	1,1,2,2-Tetrachloroethane	ND
2-Chloroethylvinyl ether	ND*	Tetrachloroethene	ND
Chloroform	ND	Toluene	ND
Chloromethane	ND*	1,1,1-Trichloroethane	ND
Dibromochloromethane	ND	1,1,2-Trichloroethane	ND
1,1-Dichloroethane	ND	Trichloroethene	ND
		Vinyl Chloride	ND*

NOTE:
- ND (None Detected, lower detectable limit = 5.0 ug/l)
- ND* (None Detected, lower detectable limit = 10 ug/l)
- ND** (None Detected, lower detectable limit = 50 ug/l)
- J (Detected, but below quantitation limit; estimated value)
- B (Compound detected in method blank associated with this sample)
- -- (Not Analyzed)

SURROGATE RECOVERY:	**%**	**ACCEPTABLE LIMITS**	
		WATER	**SOLID**
1,2-Dichloroethane	99	(76-114)	(70-121)
Toluene-d8	99	(88-110)	(81-117)
Bromofluorobenzene	98	(86-115)	(74-121)

WADSWORTH/ALERT
LABORATORIES, INC.

NARRATIVE

The following report contains the analytical results for samples submitted to Wadsworth/ALERT Laboratories, Inc. The samples were received into the laboratory in accordance with documented sample acceptance procedures.

Wadsworth/ALERT Laboratories, Inc. utilizes USEPA approved methods and instrumentation in all analytical work. The methods used for the analyses presented in this study can be found on the following pages. A summary of QC data for these analyses is included at the rear of the report.

WADSWORTH/ALERT
LABORATORIES, INC.

ANALYTICAL METHODS

Wadsworth/ALERT Laboratories, Inc. utilizes only USEPA approved analytical methods and instrumentation. The analytical methods used in the analyses of these samples are listed below.

Parameters	Methods
Organics:	
Volatile Organic Compounds	SW846 8240

SW: SW846-Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, Third Edition, EPA, September, 1986.

WADSWORTH/ALERT
LABORATORIES, INC.

COMPANY: REMCOR, INC.
LAB #: 2773-26875
MATRIX : SOLID

DATE RECEIVED: 5/ 3/91
DATE EXTRACTED: 5/15/91
DATE ANALYZED: 5/15/91

SAMPLE ID : 05-08-200-VOA 5-01-91

VOLATILE ORGANICS
USEPA METHOD 8240 - GC/MS

Acrolein	ND**	1,2-Dichloroethene (Total)	ND
Acrylonitrile	ND**	1,2-Dichloropropane	ND
Benzene	ND	cis-1,3-Dichloropropene	ND
		trans-1,3-Dichloropropene	ND
Bromodichloromethane	ND	Ethylbenzene	ND
Bromoform	ND	Methylene chloride	15
Bromomethane	ND*	1,1,2,2-Tetrachloroethane	ND
Carbon tetrachloride	ND	Tetrachloroethene	ND
Chlorobenzene	ND	Toluene	ND
Chloroethane	ND*	1,1,1-Trichloroethane	ND
2-Chloroethylvinyl ether	ND*	1,1,2-Trichloroethane	ND
Chloroform	ND	Trichloroethene	ND
Chloromethane	ND*		
Dibromochloromethane	ND	Vinyl chloride	ND*
1,1-Dichloroethane	ND		
1,2-Dichloroethane	ND		
1,1-Dichloroethene	ND		

NOTE: ND (None Detected, lower detectable limit = 6.0 ug/kg) dry weight
ND* (None Detected, lower detectable limit = 12 ug/kg) dry weight
ND** (None Detected, lower detectable limit = 60 ug/kg) dry weight
J (Detected, but below quantitation limit; estimated value)
B (Compound detected in method blank associated with this sample)
-- (Not Analyzed)

SURROGATE RECOVERY:	**%**	**ACCEPTABLE LIMITS** WATER	SOLID
1,2-Dichloroethane	96	(76-114)	(70-121)
Toluene-d8	114	(88-110)	(81-117)
Bromofluorobenzene	84	(86-115)	(74-121)

WADSWORTH/ALERT
LABORATORIES, INC.

COMPANY: REMCOR, INC.
LAB #: 2773-26876
MATRIX : SOLID

DATE RECEIVED: 5/ 3/91
DATE EXTRACTED: 5/15/91
DATE ANALYZED: 5/15/91

SAMPLE ID : 05-08-203-VOA 5-01-91

VOLATILE ORGANICS
USEPA METHOD 8240 - GC/MS

Acrolein	ND**	1,2-Dichloroethene (Total)	ND
Acrylonitrile	ND**	1,2-Dichloropropane	ND
Benzene	ND	cis-1,3-Dichloropropene	ND
		trans-1,3-Dichloropropene	ND
Bromodichloromethane	ND	Ethylbenzene	5.0 J
Bromoform	ND	Methylene chloride	ND*
Bromomethane	ND*	1,1,2,2-Tetrachloroethane	ND
Carbon tetrachloride	ND	Tetrachloroethene	ND
Chlorobenzene	ND	Toluene	ND
Chloroethane	ND*	1,1,1-Trichloroethane	ND
2-Chloroethylvinyl ether	ND*	1,1,2-Trichloroethane	ND
Chloroform	ND	Trichloroethene	ND
Chloromethane	ND*		
Dibromochloromethane	ND	Vinyl chloride	ND*
1,1-Dichloroethane	ND		
1,2-Dichloroethane	ND		
1,1-Dichloroethene	ND		

NOTE: ND (None Detected, lower detectable limit = 6.0 ug/kg) dry weight
ND* (None Detected, lower detectable limit = 12 ug/kg) dry weight
ND** (None Detected, lower detectable limit = 60 ug/kg) dry weight
J (Detected, but below quantitation limit; estimated value)
B (Compound detected in method blank associated with this sample)
-- (Not Analyzed)

SURROGATE RECOVERY:	**%**	**ACCEPTABLE LIMITS** WATER	SOLID
1,2-Dichloroethane	97	(76-114)	(70-121)
Toluene-d8	107	(88-110)	(81-117)
Bromofluorobenzene	83	(86-115)	(74-121)

WADSWORTH/ALERT
LABORATORIES, INC.

COMPANY: REMCOR, INC.
LAB #: 2773-26877
MATRIX : SOLID

DATE RECEIVED: 5/ 3/91
DATE EXTRACTED: 5/15/91
DATE ANALYZED: 5/15/91

SAMPLE ID : 05-08-206-VOA 5-01-91

VOLATILE ORGANICS
USEPA METHOD 8240 - GC/MS

Acrolein	ND**	1,2-Dichloroethene (Total)	3.7 J
Acrylonitrile	ND**	1,2-Dichloropropane	ND
Benzene	ND	cis-1,3-Dichloropropene	ND
		trans-1,3-Dichloropropene	ND
Bromodichloromethane	ND	Ethylbenzene	ND
Bromoform	ND	Methylene chloride	19
Bromomethane	ND*	1,1,2,2-Tetrachloroethane	ND
Carbon tetrachloride	ND	Tetrachloroethene	ND
Chlorobenzene	ND	Toluene	ND
Chloroethane	ND*	1,1,1-Trichloroethane	ND
2-Chloroethylvinyl ether	ND*	1,1,2-Trichloroethane	ND
Chloroform	ND	Trichloroethene	ND
Chloromethane	ND*		
Dibromochloromethane	ND	Vinyl chloride	ND*
1,1-Dichloroethane	ND		
1,2-Dichloroethane	ND		
1,1-Dichloroethene	ND		

NOTE: ND (None Detected, lower detectable limit = 6.0 ug/kg) dry weight
ND* (None Detected, lower detectable limit = 12 ug/kg) dry weight
ND** (None Detected, lower detectable limit = 60 ug/kg) dry weight
J (Detected, but below quantitation limit; estimated value)
B (Compound detected in method blank associated with this sample)
-- (Not Analyzed)

SURROGATE RECOVERY:	**%**	**ACCEPTABLE LIMITS** WATER	SOLID
1,2-Dichloroethane	105	(76-114)	(70-121)
Toluene-d8	109	(88-110)	(81-117)
Bromofluorobenzene	92	(86-115)	(74-121)

WADSWORTH/ALERT
LABORATORIES, INC.

QUALITY CONTROL SECTION

WADSWORTH/ALERT
LABORATORIES, INC.

CASE NARRATIVE

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan. All data have been found to be compliant.

WADSWORTH/ALERT
LABORATORIES, INC.

MATRIX SPIKE DATA

LAB ID	PARAMETER	SPIKE PERCENT RECOVERY	SPK/DUP PERCENT RECOVERY	SPIKE MATRIX	QC CONTROL LIMITS
	GC/MS VOLATILE COMPOUNDS				
26873	1,1-Dichloroethene	105	114	SOLID	(59-172)
	Trichloroethene	91	89		(62-137)
	Chlorobenzene	95	90		(66-142)
	Toluene	113	111		(59-139)
	Benzene	107	105		(60-133)

WADSWORTH/ALERT
LABORATORIES, INC.

CHECK SAMPLE DATA

LAB ID	PARAMETER	SPIKE PERCENT RECOVERY	SPIKE MATRIX	QC CONTROL LIMITS
	GC/MS VOLATILE COMPOUNDS			
26872	1,1-Dichloroethene	136	SOLID	(59-172)
	Trichloroethene	113		(62-137)
	Chlorobenzene	121		(66-142)
	Toluene	122		(59-139)
	Benzene	121		(60-133)

WADSWORTH/ALERT
LABORATORIES, INC.

COMPANY: Wadsworth/Alert Laboratories
LAB#: 9091-90515
MATRIX: WATER

DATE RECEIVED: NA
DATE EXTRACTED: NA
DATE ANALYZED: 5/15/91

SAMPLE ID: INTRA-LAB BLANK, 5/15/91

NPDES VOLATILE ORGANICS USEPA METHOD 8240
BLANK COMPOUND LIST-GC/MS

Acrolein	ND**	1,2-Dichloroethane	ND
Acrylonitrile	ND**	1,1-Dichloroethene	ND
Benzene	ND	1,2-Dichloroethene (Total)	ND
Bromodichloromethane	ND	1,2-Dichloroporpane	ND
Bromoform	ND	cis-1,3-Dichloropropene	ND
Bromomethane	ND*	trans-1,3-Dichloropropene	ND
Carbon tetrachloride	ND	Ethylbenzene	ND
Chlorobenzene	ND	Methylene Chloride	ND*
Chloroethane	ND*	1,1,2,2-Tetrachloroethane	ND
2-Chloroethylvinyl ether	ND*	Tetrachloroethene	ND
Chloroform	ND	Toluene	ND
Chloromethane	ND*	1,1,1-Trichloroethane	ND
Dibromochloromethane	ND	1,1,2-Trichloroethane	ND
1,1-Dichloroethane	ND	Trichloroethene	ND
		Vinyl Chloride	ND*

NOTE:
- ND (None Detected, lower detectable limit = 5.0 ug/l)
- ND* (None Detected, lower detectable limit = 10 ug/l)
- ND** (None Detected, lower detectable limit = 50 ug/l)
- J (Detected, but below quantitation limit; estimated value)
- B (Compound detected in method blank associated with this sample)
- -- (Not Analyzed)

SURROGATE RECOVERY:	**%**	**ACCEPTABLE LIMITS**	
		WATER	**SOLID**
1,2-Dichloroethane	99	(76-114)	(70-121)
Toluene-d8	99	(88-110)	(81-117)
Bromofluorobenzene	98	(86-115)	(74-121)

REMCOR

CHAIN OF CUSTODY RECORD № 2592

PROJECT NO.: 90247

PROJECT NAME: Armco - Union Wire Rope Plant

SAMPLERS: Harry Owens / David P Cercone

SAMPLE	DATE	TIME	SAMPLE MEDIUM	SAMPLE LOCATION	NO. OF CONTAINERS	PP VOCs 250 ml glass						REMARKS
05-08-200-VOA	05/01	1305	Soil		1							
05-08-203-VOA	05/01	1310	Soil		1							
05-08-206-VOA	05/01	1315	Soil		1							
												FED EX AIRBILL #:
												879817 5536

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
David P Cercone	5/2/91 1900				
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED FOR LAB BY:	DATE/TIME	POSSIBLE HAZARD:	
		[illegible]	5/3/91 9:00 AM		

FORM GS-2 REV 191

REMCOR

REQUEST FOR ANALYSIS

REMCOR, INC. – 701 ALPHA DRIVE, P.O. BOX 38310
PITTSBURGH, PA 15238-8310 (412) 963-1106

R/A Control № 113

C/C Control No.: 2592

Project Name: Armco - Union Wire

Project No.: 90247

Project Contact: Bill Beck

Project Manager: Bill Beck

Send Lab Report to: Remcor Inc

Laboratory Name: Wadsworth

Laboratory Contact: Tom Tomayico

Laboratory Address: Wadsworth/Alert
450 William Pitt Way
Pittsburgh PA 15238

Laboratory Phone No.:

Special Notes: Phone Bill Beck if there are any questions.

Turnaround Time: 1 week or ASAP

(X – Denotes Testing Program Requested For Sample)

SAMPLE IDENTIFICATION	SAMPLE MEDIUM	TESTING PROGRAM RP VOCs								REMARKS OR SPECIAL INSTRUCTIONS
05-08-200-VOA	Soil	X								
05-08-203-VOA	Soil	X								
05-08-206-VOA	Soil	X								

DISTRIBUTION: White – Accompanies Samples
Yellow – Returned to REMCOR

POSSIBLE HAZARDS: None expected

DISPOSAL: Lab X Client ___

APPENDIX D

INVENTORIES OF WASTES TRANSPORTED OFF SITE

TABLE D-1
SUMMARY OF HAZARDOUS WASTE SHIPMENTS

DATE	MANIFEST NO.	RETURN	EPA H.W. ID. NO.	STATE MANIFEST NO.	SHIPPER	VOLUME (cu yd)	WEIGHT (lbs)	DESTINATION	HARDHAMMER CONC. (mg/l)
10/16/90	0001	yes	D008	4382791	PDC	17.0	41640	Peoria Disposal	
10/16/90	0002	yes	D008	4382792	PDC	17.0	30080	Peoria Disposal	
10/16/90	0003	yes	D008	4382793	PDC	17.0	38280	Peoria Disposal	
10/16/90	0004	yes	D008	4382794	PDC	17.0	35280	Peoria Disposal	
10/16/90	0005	yes	D008	4382795	PDC	17.0	44160	Peoria Disposal	
10/17/90	0006	yes	D008	4382796	PDC	17.0	30080	Peoria Disposal	
10/17/90	0007	yes	D008	4382797	PDC	17.0	35180	Peoria Disposal	
10/17/90	0008	yes	D008	4382798	PDC	17.0	26280	Peoria Disposal	
10/17/90	0009	yes	D008	4382802	PDC	17.0	35060	Peoria Disposal	
10/17/90	0010	yes	D008	4382800	PDC	17.0	38560	Peoria Disposal	
10/22/90	0011	yes	D008	4382801	PDC	17.0	41360	Peoria Disposal	
10/22/90	0012	yes	D008	4382803	PDC	17.0	34740	Peoria Disposal	
10/22/90	0013	yes	D008	4382804	PDC	17.0	38760	Peoria Disposal	
10/23/90	0014	yes	D008	4382805	PDC	17.0	45860	Peoria Disposal	
10/23/90	0015	yes	D008	4382806	PDC	17.0	34700	Peoria Disposal	
10/23/90	0016	yes	D008	4382807	PDC	17.0	35980	Peoria Disposal	
10/29/90	0017	yes	D008	4393503	Dart	17.0	45440	Peoria Disposal	
10/29/90	0018	yes	D008	4393504	Dart	17.0	44560	Peoria Disposal	
10/29/90	0019	yes	D008	4393505	Dart	17.0	46220	Peoria Disposal	
10/29/90	0020	yes	D008	4393506	Dart	17.0	52840	Peoria Disposal	
10/29/90	0021	yes	D008	4393525	Dart	17.0	45320	Peoria Disposal	
10/30/90	0022	yes	D008	4393508	Dart	17.0	48860	Peoria Disposal	
10/24/90	0023	yes	D008	4382814	Dart	17.0	43880	Peoria Disposal	
10/23/90	0024	yes	D008	4382815	Dart	17.0	44980	Peoria Disposal	
10/23/90	0025	yes	D008	4382816	Dart	17.0	42520	Peoria Disposal	
10/23/90	0026	yes	D008	4382818	Dart	17.0	40380	Peoria Disposal	
10/23/90	0027	yes	D008	4382817	Dart	17.0	41460	Peoria Disposal	
10/24/90	0028	yes	D008	4382819	Dart	17.0	42440	Peoria Disposal	
10/24/90	0029	yes	D008	4382820	Dart	17.0	41720	Peoria Disposal	
10/24/90	0030	yes	D008	4382821	Dart	17.0	44960	Peoria Disposal	
10/24/90	0031	yes	D008	4382822	Dart	17.0	48680	Peoria Disposal	
10/25/90	0032	yes	D008	4382823	Dart	17.0	45380	Peoria Disposal	
10/25/90	0033	yes	D008	4382824	Dart	17.0	46940	Peoria Disposal	
10/25/90	0034	yes	D008	4382825	Dart	17.0	38780	Peoria Disposal	
10/25/90	0035	yes	D008	4382826	Dart	17.0	37160	Peoria Disposal	
10/25/90	0036	yes	D008	4382827	Dart	17.0	39460	Peoria Disposal	
10/25/90	0037	yes	D008	4382828	Dart	17.0	36240	Peoria Disposal	
10/25/90	0038	yes	D008	4382829	Dart	17.0	43280	Peoria Disposal	
10/25/90	0039	yes	D008	4382830	Dart	17.0	43880	Peoria Disposal	
10/25/90	0040	yes	D008	4382831	Dart	17.0	42340	Peoria Disposal	
10/25/90	0041	yes	D008	4382832	Dart	17.0	47580	Peoria Disposal	
10/26/90	0042	yes	D008	4382834	Dart	17.0	48260	Peoria Disposal	
10/26/90	0043	yes	D008	4382835	Dart	17.0	46560	Peoria Disposal	
10/26/90	0044	yes	D008	4382836	Dart	17.0	45200	Peoria Disposal	
10/26/90	0045	yes	D008	4382837	Dart	17.0	43340	Peoria Disposal	
10/26/90	0046	yes	D008	4393501	Dart	17.0	45980	Peoria Disposal	
10/26/90	0047	yes	D008	4382838	Dart	17.0	46160	Peoria Disposal	
10/26/90	0048	yes	D008	4393502	Dart	17.0	47160	Peoria Disposal	
10/30/90	0049	yes	D008	4393526	Dart	17.0	44860	Peoria Disposal	
10/29/90	0050	yes	D008	4393514	Liberty	17.0	47900	Peoria Disposal	
10/29/90	0051	yes	D008	4393515	Liberty	17.0	48180	Peoria Disposal	
10/29/90	0052	yes	D008	4393516	Liberty	17.0	48680	Peoria Disposal	
10/29/90	0053	yes	D008	4393517	Liberty	17.0	48080	Peoria Disposal	
10/29/90	0054	yes	D008	4393518	Liberty	17.0	49220	Peoria Disposal	
10/30/90	0055	yes	D008	4393527	Dart	17.0	55580	Peoria Disposal	
10/30/90	0056	yes	D008	4393545	Fort	17.0	45040	Peoria Disposal	
10/30/90	0057	yes	D008	4393529	Dart	17.0	47880	Peoria Disposal	
10/30/90	0058	yes	D008	4393524	Liberty	17.0	46640	Peoria Disposal	
10/30/90	0059	yes	D008	4393530	Liberty	17.0	46740	Peoria Disposal	
10/30/90	0060	yes	D008	4393509	Liberty	17.0	44980	Peoria Disposal	
10/30/90	0061	yes	D008	4393510	Liberty	17.0	43420	Peoria Disposal	
10/30/90	0062	yes	D008	4393511	Liberty	17.0	48900	Peoria Disposal	
10/31/90	0063	yes	D008	4393512	Fort	17.0	44900	Peoria Disposal	
10/31/90	0064	yes	D008	4393513	Fort	17.0	45880	Peoria Disposal	
10/31/90	0065	yes	D008	4393519	Fort	17.0	42800	Peoria Disposal	
10/31/90	0066	yes	D008	4393520	Fort	17.0	47700	Peoria Disposal	
10/31/90	0067	yes	D008	4393521	Fort	17.0	45180	Peoria Disposal	
10/31/90	0068	yes	D008	4393522	Fort	17.0	45780	Peoria Disposal	
10/31/90	0069	yes	D008	4393531	Liberty	17.0	44740	Peoria Disposal	

TABLE D-1
(CONTINUED)

DATE	MANIFEST NO.	RETURN	EPA H.W. ID. NO.	STATE MANIFEST NO.	SHIPPER	VOLUME (cu yd)	WEIGHT (lbs)	DESTINATION	HARDHAMMER CONC. (mg/l)
10/31/90	0070	yes	D008	4393532	Liberty	17.0	48040	Peoria Disposal	
10/31/90	0071	yes	D008	4393533	Liberty	17.0	45620	Peoria Disposal	
10/31/90	0072	yes	D008	4393534	Liberty	17.0	41920	Peoria Disposal	
11/01/90	0073	yes	D008	4393523	Fort	17.0	42600	Peoria Disposal	
11/01/90	0074	yes	D008	4393536	Fort	17.0	47940	Peoria Disposal	
11/01/90	0075	yes	D008	4393537	Fort	17.0	46760	Peoria Disposal	
11/01/90	0076	yes	D008	4393538	Fort	17.0	45260	Peoria Disposal	
11/02/90	0077	yes	D008	4393539	Fort	17.0	49000	Peoria Disposal	
11/02/90	0078	yes	D008	4393540	Fort	17.0	48070	Peoria Disposal	
11/02/90	0079	yes	D008	4393541	Fort	17.0	48560	Peoria Disposal	
11/02/90	0080	yes	D008	4393542	Fort	17.0	46020	Peoria Disposal	
11/02/90	0081	yes	D008	4393543	Fort	17.0	47180	Peoria Disposal	
11/06/90	0082	yes	D008	4393544	Fort	17.0	46820	Peoria Disposal	
11/01/90	0083	yes	D008	4393535	Liberty	17.0	48540	Peoria Disposal	
11/01/90	0084	yes	D008	4393546	Liberty	17.0	49420	Peoria Disposal	
11/01/90	0085	yes	D008	4393547	Liberty	17.0	49560	Peoria Disposal	
11/01/90	0086	yes	D008	4393548	Liberty	17.0	47540	Peoria Disposal	
11/01/90	0087	yes	D008	4393549	Liberty	17.0	47660	Peoria Disposal	
11/01/90	0088	yes	D008	4393550	Liberty	17.0	46160	Peoria Disposal	
11/02/90	0089	yes	D008	4393551	Liberty	17.0	45520	Peoria Disposal	
11/06/90	0090	yes	D008	4393555	Liberty	17.0	49220	Peoria Disposal	
11/06/90	0091	yes	D008	4393552	Liberty	17.0	48220	Peoria Disposal	
11/06/90	0092	yes	D008	4393553	Liberty	17.0	47900	Peoria Disposal	
11/06/90	0093	yes	D008	4393554	Liberty	17.0	44460	Peoria Disposal	
11/06/90	0094	yes	D008	4393556	Liberty	17.0	47120	Peoria Disposal	
11/06/90	0095	yes	D008	4393557	Liberty	17.0	46580	Peoria Disposal	
11/07/90	0096	yes	D008	4393570	Fort	17.0	47360	Peoria Disposal	
11/07/90	0097	yes	D008	4393571	Fort	17.0	44180	Peoria Disposal	
11/07/90	0098	yes	D008	4393558	Liberty	17.0	45080	Peoria Disposal	
11/07/90	0099	yes	D008	4393559	Liberty	17.0	48780	Peoria Disposal	
11/07/90	0100	yes	D008	4393560	Liberty	17.0	46260	Peoria Disposal	
11/07/90	0101	yes	D008	4393561	Liberty	17.0	48080	Peoria Disposal	
11/07/90	0102	yes	D008	4393562	Liberty	17.0	47640	Peoria Disposal	
11/07/90	0103	yes	D008	4393563	Liberty	17.0	47220	Peoria Disposal	
11/12/90	0104	yes	D008	4393564	Liberty	17.0	48160	Peoria Disposal	31.70
11/12/90	0105	yes	D008	4393565	Liberty	17.0	48120	Peoria Disposal	31.70
11/12/90	0106	yes	D008	4393566	Liberty	17.0	47220	Peoria Disposal	31.70
11/12/90	0107	yes	D008	4393567	Liberty	17.0	46960	Peoria Disposal	43.70
11/12/90	0108	yes	D008	4393568	Liberty	17.0	47980	Peoria Disposal	43.70
11/12/90	0109	yes	D008	4393569	Liberty	17.0	46760	Peoria Disposal	43.70
11/12/90	0110	yes	D008	4393574	Liberty	17.0	46680	Peoria Disposal	43.70
11/12/90	0111	yes	D008	4393575	Liberty	17.0	48060	Peoria Disposal	43.70
11/13/90	0112	yes	D008	4393576	Liberty	17.0	47340	Peoria Disposal	31.70
11/13/90	0113	yes	D008	4393577	Liberty	17.0	47660	Peoria Disposal	31.70
11/13/90	0114	yes	D008	4393578	Liberty	17.0	47520	Peoria Disposal	31.70
11/13/90	0115	yes	D008	4393572	Fort	17.0	48120	Peoria Disposal	31.70
11/13/90	0116	yes	D008	4393573	Fort	17.0	42880	Peoria Disposal	31.70
11/13/90	0117	yes	D008	4393592	Fort	17.0	50320	Peoria Disposal	31.70
11/13/90	0118	yes	D008	4393593	Fort	17.0	28680	Peoria Disposal	50.00
11/13/90	0119	yes	D008	4393594	Fort	17.0	40680	Peoria Disposal	50.00
11/14/90	0120	yes	D008	4393579	Liberty	17.0	47640	Peoria Disposal	50.00
11/14/90	0121	yes	D008	4393580	Liberty	17.0	47600	Peoria Disposal	50.00
11/14/90	0122	yes	D008	4393581	Liberty	17.0	48740	Peoria Disposal	50.00
11/14/90	0123	yes	D008	4393582	Liberty	17.0	47860	Peoria Disposal	50.00
11/14/90	0124	yes	D008	4393583	Liberty	17.0	49640	Peoria Disposal	50.00
11/14/90	0125	yes	D008	4393584	Liberty	17.0	46560	Peoria Disposal	50.00
11/14/90	0126	yes	D008	4393585	Liberty	17.0	48040	Peoria Disposal	50.00
11/15/90	0127	yes	D008	4393586	Liberty	17.0	47600	Peoria Disposal	25.00
11/15/90	0128	yes	D008	4393587	Liberty	17.0	47600	Peoria Disposal	25.00
11/14/90	0129	yes	D008	4393595	Fort	17.0	47200	Peoria Disposal	50.00
11/16/90	0130	yes	D008	4393596	Liberty	17.0	47220	Peoria Disposal	13.40
11/16/90	0131	yes	D008	4393597	Liberty	17.0	46500	Peoria Disposal	13.40
11/16/90	0132	yes	D008	4393598	Liberty	17.0	46560	Peoria Disposal	13.40
11/16/90	0133	yes	D008	4393599	Liberty	17.0	47540	Peoria Disposal	13.40
11/16/90	0134	yes	D008	4393600	Liberty	17.0	46780	Peoria Disposal	13.40
11/16/90	0135	yes	D008	4393601	Liberty	17.0	49180	Peoria Disposal	147.00
11/16/90	0136	yes	D008	4393602	Liberty	17.0	47200	Peoria Disposal	147.00
11/17/90	0137	yes	D008	4393603	Liberty	17.0	44520	Peoria Disposal	147.00
11/19/90	0138	yes	D008	4393604	Liberty	17.0	46500	Peoria Disposal	

TABLE D-1
(CONTINUED)

DATE	MANIFEST NO.	RETURN	EPA H.W. ID. NO.	STATE MANIFEST NO.	SHIPPER	VOLUME (cu yd)	WEIGHT (lbs)	DESTINATION	HARDHAMMER CONC. (mg/l)
11/27/90	0139	yes	D008	4393605	Liberty	17.0	47220	Peoria Disposal	7.20
11/15/90	0140	yes	D008	4393606	Fort	17.0	47600	Peoria Disposal	25.00
11/15/90	0141	yes	D008	4393607	Fort	17.0	47600	Peoria Disposal	25.00
11/15/90	0142	yes	D008	4393608	Fort	17.0	47600	Peoria Disposal	25.00
11/15/90	0143	yes	D008	4393609	Fort	17.0	47600	Peoria Disposal	25.00
11/15/90	0144	yes	D008	4393610	Fort	17.0	47600	Peoria Disposal	25.00
11/15/90	0145	yes	D008	4393611	Fort	17.0	47600	Peoria Disposal	13.40
11/15/90	0146	yes	D008	4393612	Fort	17.0	44940	Peoria Disposal	13.40
11/15/90	0147	yes	D008	4393613	Fort	17.0	46300	Peoria Disposal	13.40
11/16/90	0148	yes	D008	4393614	Fort	17.0	46800	Peoria Disposal	13.40
11/16/90	0149	yes	D008	4393615	Fort	17.0	44900	Peoria Disposal	147.00
11/16/90	0150	yes	D008	4393616	Fort	17.0	46860	Peoria Disposal	147.00
11/19/90	0151	yes	D008	4393617	Fort	17.0	46940	Peoria Disposal	147.00
11/19/90	0152	yes	D008	4393618	Fort	17.0	41580	Peoria Disposal	147.00
11/19/90	0153	yes	D008	4393619	Fort	17.0	45320	Peoria Disposal	147.00
11/20/90	0154	yes	D008	4393620	Liberty	17.0	47500	Peoria Disposal	34.90
11/20/90	0155	yes	D008	4393621	Liberty	17.0	47480	Peoria Disposal	34.90
11/19/90	0156	yes	D008	4393622	Fort	17.0	46980	Peoria Disposal	147.00
11/19/90	0157	yes	D008	4393623	Fort	17.0	47000	Peoria Disposal	147.00
11/19/90	0158	yes	D008	4393624	Fort	17.0	47880	Peoria Disposal	34.90
11/19/90	0159	yes	D008	4393625	Fort	17.0	48120	Peoria Disposal	34.90
11/19/90	0160	yes	D008	4393626	Fort	17.0	48060	Peoria Disposal	34.90
11/19/90	0161	yes	D008	4393627	Fort	17.0	46800	Peoria Disposal	34.90
11/20/90	0162	yes	D008	4393629	Fort	17.0	38240	Peoria Disposal	34.90
11/20/90	0163	yes	D008	4393630	Fort	17.0	46200	Peoria Disposal	34.90
11/20/90	0164	yes	D008	4393631	Fort	17.0	44080	Peoria Disposal	34.90
11/20/90	0165	yes	D008	4393632	Fort	17.0	38740	Peoria Disposal	34.90
11/20/90	0166	yes	D008	4393633	Fort	17.0	46980	Peoria Disposal	7.20
11/20/90	0167	yes	D008	4393634	Fort	17.0	49100	Peoria Disposal	7.20
11/20/90	0168	yes	D008	4393635	Fort	17.0	46100	Peoria Disposal	7.20
11/20/90	0169	yes	D008	4393637	Fort	17.0	46560	Peoria Disposal	7.20
11/21/90	0170	yes	D008	4393638	Fort	17.0	45120	Peoria Disposal	11.49
11/28/90	0171	yes	D008	4393639	Fort	17.0	42200	Peoria Disposal	11.49
11/28/90	0172	yes	D008	4393640	Fort	17.0	48400	Peoria Disposal	11.49
11/28/90	0173	yes	D008	4393641	Fort	17.0	43120	Peoria Disposal	22.60
11/28/90	0174	yes	D008	4393642	Fort	17.0	46680	Peoria Disposal	22.60
11/27/90	0175	yes	D008	4393643	Liberty	17.0	48680	Peoria Disposal	7.20
11/27/90	0176	yes	D008	4393644	Liberty	17.0	47600	Peoria Disposal	7.20
11/27/90	0177	yes	D008	4393645	Liberty	17.0	46020	Peoria Disposal	11.49
11/27/90	0178	yes	D008	4393646	Liberty	17.0	47480	Peoria Disposal	11.49
11/27/90	0179	yes	D008	4393647	Liberty	17.0	48000	Peoria Disposal	11.49
11/27/90	0180	yes	D008	4393648	Liberty	17.0	46200	Peoria Disposal	11.49
11/20/90	0181	yes	D008	4393628	Fort	17.0	40460	Peoria Disposal	34.90
11/20/90	0182	yes	D008	4393636	Fort	17.0	36380	Peoria Disposal	7.20
11/28/90	0183	yes	D008	4393651	Liberty	17.0	47240	Peoria Disposal	11.49
11/28/90	0184	yes	D008	4393652	Liberty	17.0	49280	Peoria Disposal	11.49
11/28/90	0185	yes	D008	4393649	Fort	17.0	45260	Peoria Disposal	22.60
11/28/90	0186	yes	D008	4393650	Fort	17.0	42380	Peoria Disposal	22.60
11/28/90	0187	yes	D008	4393653	Fort	17.0	37300	Peoria Disposal	22.60
11/29/90	0188	yes	D008	4393654	Fort	17.0	47080	Peoria Disposal	22.60
11/29/90	0189	yes	D008	4393655	Fort	17.0	47560	Peoria Disposal	22.60
11/29/90	0190	yes	D008	4393656	Liberty	17.0	48220	Peoria Disposal	22.60
11/29/90	0191	yes	D008	4393657	Liberty	17.0	48240	Peoria Disposal	22.60
11/29/90	0192	yes	D008	4393658	Liberty	17.0	48760	Peoria Disposal	22.60
11/29/90	0193	yes	D008	4393659	Liberty	17.0	46540	Peoria Disposal	22.60
11/29/90	0194	yes	D008	4393660	Liberty	17.0	47260	Peoria Disposal	22.60
11/29/90	0195	yes	D008	4393661	Liberty	17.0	48760	Peoria Disposal	43.70
11/30/90	0196	yes	D008	4393662	Liberty	17.0	45840	Peoria Disposal	259.00
11/30/90	0197	yes	D008	4393663	Liberty	17.0	48220	Peoria Disposal	259.00
11/30/90	0198	yes	D008	4393590	Liberty	17.0	48200	Peoria Disposal	259.00
11/30/90	0199	yes	D008	4393591	Liberty	17.0	49800	Peoria Disposal	259.00
11/30/90	0200	yes	D008	4393664	Fort	17.0	50380	Peoria Disposal	259.00
11/30/90	0201	yes	D008	4393665	Fort	17.0	47420	Peoria Disposal	259.00
11/30/90	0202	yes	D008	4393666	Fort	17.0	46920	Peoria Disposal	259.00
11/30/90	0203	yes	D008	4393667	Fort	17.0	47280	Peoria Disposal	259.00
11/30/90	0204	yes	D008	4393668	Fort	17.0	47120	Peoria Disposal	259.00
11/30/90	0205	yes	D008	4393669	Fort	17.0	42540	Peoria Disposal	43.70
11/30/90	0206	yes	D008	4393589	Liberty	17.0	45300	Peoria Disposal	259.00
11/30/90	0207	yes	D008	4393588	Liberty	17.0	45380	Peoria Disposal	259.00

TABLE D-1
(CONTINUED)

DATE	MANIFEST NO.	RETURN	EPA H.W. ID. NO.	STATE MANIFEST NO.	SHIPPER	VOLUME (cu yd)	WEIGHT (lbs)	DESTINATION	HARDHAMMER CONC. (mg/l)
12/03/90	0209	yes	D008	4393670	Fort	17.0	46840	Peoria Disposal	6.80
12/05/90	0210	yes	D008	4393671	Fort	17.0	48480	Peoria Disposal	36.80
12/03/90	0211	yes	D008	4393672	Liberty	17.0	49880	Peoria Disposal	6.80
12/03/90	0212	yes	D008	4393673	Liberty	17.0	47340	Peoria Disposal	6.80
12/03/90	0213	yes	D008	4393674	Liberty	17.0	45660	Peoria Disposal	6.80
12/03/90	0214	yes	D008	4393675	Liberty	17.0	44840	Peoria Disposal	6.80
12/03/90	0215	yes	D008	4393676	Liberty	17.0	34200	Peoria Disposal	6.80
12/03/90	0216	yes	D008	4393677	Liberty	17.0	47700	Peoria Disposal	6.80
12/03/90	0217	yes	D008	4393678	Liberty	17.0	46900	Peoria Disposal	6.80
12/05/90	0218	yes	D008	4393699	Fort	17.0	45580	Peoria Disposal	6.80
12/05/90	0219	yes	D008	4393698	Liberty	17.0	49440	Peoria Disposal	6.80
12/05/90	0220	yes	D008	4393697	Liberty	17.0	49620	Peoria Disposal	36.80
12/05/90	0221	yes	D008	4393696	Liberty	17.0	46760	Peoria Disposal	36.80
12/05/90	0222	yes	D008	4393695	Liberty	17.0	47400	Peoria Disposal	36.80
12/05/90	0223	yes	D008	4393694	Liberty	17.0	48500	Peoria Disposal	36.80
12/05/90	0224	yes	D008	4393693	Liberty	17.0	46760	Peoria Disposal	36.80
12/05/90	0225	yes	D008	4393692	Fort	17.0	47100	Peoria Disposal	36.80
12/06/90	0226	yes	D008	4393691	Fort	17.0	46400	Peoria Disposal	35.80
12/06/90	0227	yes	D008	4393690	Fort	17.0	44680	Peoria Disposal	36.80
12/07/90	0228	yes	D008	4393689	Fort	17.0	46200	Peoria Disposal	36.80
12/06/90	0229	yes	D008	4393688	Liberty	17.0	47560	Peoria Disposal	36.80
12/06/90	0230	yes	D008	4393687	Liberty	17.0	47480	Peoria Disposal	36.80
12/06/90	0231	yes	D008	4393686	Liberty	17.0	49320	Peoria Disposal	36.80
12/06/90	0232	yes	D008	4393685	Liberty	17.0	46940	Peoria Disposal	35.80
12/06/90	0233	yes	D008	4393684	Liberty	17.0	45600	Peoria Disposal	35.80
12/06/90	0234	yes	D008	4393683	Liberty	17.0	45000	Peoria Disposal	35.80
12/06/90	0235	yes	D008	4393682	Liberty	17.0	48400	Peoria Disposal	35.80
12/07/90	0236	yes	D008	4393681	Fort	17.0	38420	Peoria Disposal	35.80
12/07/90	0237	yes	D008	4393679	Fort	17.0	45840	Peoria Disposal	39.60
12/07/90	0238	yes	D008	4393680	Liberty	17.0	33420	Peoria Disposal	35.80
12/10/90	0239	yes	D008	4413001	Fort	17.0	47020	Peoria Disposal	39.60
12/07/90	0240	yes	D008	4413002	Liberty	17.0	46880	Peoria Disposal	35.80
12/07/90	0241	yes	D008	4413003	Liberty	17.0	47560	Peoria Disposal	39.60
12/07/90	0242	yes	D008	4413004	Liberty	17.0	48840	Peoria Disposal	39.60
12/07/90	0243	yes	D008	4413005	Liberty	17.0	47480	Peoria Disposal	39.60
12/10/90	0244	yes	D008	4413006	Liberty	17.0	47720	Peoria Disposal	39.60
12/10/90	0245	yes	D008	4413007	Liberty	17.0	46920	Peoria Disposal	39.60
12/10/90	0246	yes	D008	4413008	Liberty	17.0	45160	Peoria Disposal	39.60
12/10/90	0247	yes	D008	4413009	Fort	17.0	49080	Peoria Disposal	39.60
12/10/90	0248	yes	D008	4413010	Fort	17.0	47820	Peoria Disposal	39.60
12/10/90	0249	yes	D008	4413011	Fort	17.0	46260	Peoria Disposal	39.60
12/10/90	0250	yes	D008	4413012	Fort	17.0	48360	Peoria Disposal	39.60
12/11/90	0251	yes	D008	4413013	Fort	17.0	45180	Peoria Disposal	33.30
12/11/90	0252	yes	D008	4413014	Fort	17.0	38500	Peoria Disposal	33.30
12/11/90	0253	yes	D008	4413015	Fort	17.0	46780	Peoria Disposal	33.30
12/11/90	0254	yes	D008	4413016	Fort	17.0	42800	Peoria Disposal	33.30
12/11/90	0255	yes	D008	4413017	Fort	17.0	46300	Peoria Disposal	33.30
12/11/90	0256	yes	D008	4413018	Liberty	17.0	46020	Peoria Disposal	33.30
12/11/90	0257	yes	D008	4413019	Liberty	17.0	44160	Peoria Disposal	33.30
12/11/90	0258	yes	D008	4413020	Liberty	17.0	43600	Peoria Disposal	33.30
12/12/90	0259	yes	D008	4413021	Liberty	17.0	46400	Peoria Disposal	33.30
12/12/90	0260	yes	D008	4413022	Liberty	17.0	49500	Peoria Disposal	33.30
12/12/90	0261	yes	D008	4413023	Liberty	17.0	48600	Peoria Disposal	33.30
12/12/90	0262	yes	D008	4413024	Liberty	17.0	43820	Peoria Disposal	13.10
12/12/90	0263	yes	D008	4413025	Liberty	17.0	47540	Peoria Disposal	13.10
12/12/90	0264	yes	D008	4413026	Liberty	17.0	47720	Peoria Disposal	13.10
12/12/90	0265	yes	D008	4413027	Liberty	17.0	50920	Peoria Disposal	13.10
12/12/90	0266	yes	D008	4413028	Fort	17.0	46620	Peoria Disposal	13.10
12/12/90	0267	yes	D008	4413029	Fort	17.0	47600	Peoria Disposal	13.10
12/13/90	0268	yes	D008	4413030	Fort	17.0	45400	Peoria Disposal	13.10
12/13/90	0269	yes	D008	4413031	Fort	17.0	46680	Peoria Disposal	117.00
12/13/90	0270	yes	D008	4413032	Fort	17.0	45140	Peoria Disposal	117.00
12/13/90	0271	yes	D008	4413033	Fort	17.0	45020	Peoria Disposal	117.00
12/13/90	0272	yes	D008	4413034	Fort	17.0	44840	Peoria Disposal	117.00
12/13/90	0273	yes	D008	4413035	Liberty	17.0	45760	Peoria Disposal	13.10
12/13/90	0274	yes	D008	4413036	Liberty	17.0	45700	Peoria Disposal	13.10
12/13/90	0275	yes	D008	4413037	Liberty	17.0	44960	Peoria Disposal	117.00
12/14/90	0276	yes	D008	4413038	Liberty	17.0	48220	Peoria Disposal	117.00
12/14/90	0277	yes	D008	4413039	Liberty	17.0	45220	Peoria Disposal	117.00

TABLE D-1
(CONTINUED)

DATE	MANIFEST NO.	RETURN	EPA H.W. ID. NO.	STATE MANIFEST NO.	SHIPPER	VOLUME (cu yd)	WEIGHT (lbs)	DESTINATION	HARDHAMMER CONC. (mg/l)
12/14/90	0278	yes	D008	4413040	Liberty	17.0	47560	Peoria Disposal	117.00
12/14/90	0279	yes	D008	4413041	Liberty	17.0	47440	Peoria Disposal	117.00
12/14/90	0280	yes	D008	4413042	Liberty	17.0	48560	Peoria Disposal	117.00
12/14/90	0281	yes	D008	4413043	Liberty	17.0	46020	Peoria Disposal	117.00
12/14/90	0282	yes	D008	4413044	Liberty	17.0	45960	Peoria Disposal	10.89
12/17/90	0283	yes	D008	4413045	Liberty	17.0	44480	Peoria Disposal	10.89
12/17/90	0284	yes	D008	4413046	Liberty	17.0	47480	Peoria Disposal	10.89
12/17/90	0285	yes	D008	4413047	Liberty	17.0	44840	Peoria Disposal	54.90
12/17/90	0286	yes	D008	4413048	Fort	17.0	43540	Peoria Disposal	10.89
12/17/90	0287	yes	D008	4413049	Fort	17.0	43640	Peoria Disposal	10.89
12/17/90	0288	yes	D008	4413050	Fort	17.0	45080	Peoria Disposal	10.89
12/17/90	0289	yes	D008	4413051	Fort	17.0	45880	Peoria Disposal	10.89
12/17/90	0290	yes	D008	4413052	Fort	17.0	38620	Peoria Disposal	54.90
12/18/90	0291	yes	D008	4413053	Liberty	17.0	44800	Peoria Disposal	54.90
12/18/90	0292	yes	D008	4413054	Liberty	17.0	45040	Peoria Disposal	54.90
12/18/90	0293	yes	D008	4413055	Liberty	17.0	43640	Peoria Disposal	54.90
12/18/90	0294	yes	D008	4413056	Fort	17.0	33840	Peoria Disposal	54.90
12/18/90	0295	yes	D008	4413057	Fort	17.0	33920	Peoria Disposal	54.90
12/18/90	0296	yes	D008	4413058	Fort	17.0	43940	Peoria Disposal	54.90
12/18/90	0297	yes	D008	4413059	Fort	17.0	43080	Peoria Disposal	54.90
12/18/90	0298	yes	D008	4413060	Fort	17.0	42800	Peoria Disposal	54.90
12/18/90	0299	yes	D008	4413061	Fort	17.0	42060	Peoria Disposal	54.90
12/18/90	0300	yes	D008	4413062	Fort	17.0	41600	Peoria Disposal	54.90
12/19/90	0208	yes	D008	4413063	Liberty	17.0	43600	Peoria Disposal	39.6
12/19/90	0301	yes	D008	4413064	Liberty	17.0	44960	Peoria Disposal	39.6
12/19/90	0302	yes	D008	4413065	Fort	17.0	35040	Peoria Disposal	39.6
12/19/90	0303	yes	D008	4413066	Fort	17.0	37800	Peoria Disposal	39.6
12/19/90	0304	yes	D008	4413067	Fort	17.0	38520	Peoria Disposal	39.6
12/19/90	0305	yes	D008	4413068	Fort	17.0	43220	Peoria Disposal	39.6
12/19/90	0306	yes	D008	4413069	Fort	17.0	42700	Peoria Disposal	39.6
12/19/90	0307	yes	D008	4413070	Fort	17.0	43680	Peoria Disposal	39.6
12/19/90	0308	yes	D008	4413071	Fort	17.0	42180	Peoria Disposal	39.6
12/19/90	0309	yes	D008	4413072	Fort	17.0	43540	Peoria Disposal	39.6
12/20/90	0310	yes	D008	4413073	Liberty	17.0	43000	Peoria Disposal	54.9
12/20/90	0311	yes	D008	4413074	Liberty	17.0	46000	Peoria Disposal	54.9
12/20/90	0312	yes	D008	4413075	Liberty	17.0	42940	Peoria Disposal	54.9
12/20/90	0313	yes	D008	4413076	Fort	17.0	43400	Peoria Disposal	54.9
12/20/90	0314	yes	D008	4413077	Fort	17.0	48760	Peoria Disposal	54.9
12/20/90	0315	yes	D008	4413078	Fort	17.0	39060	Peoria Disposal	54.9
12/20/90	0316	yes	D008	4413079	Fort	17.0	44260	Peoria Disposal	54.9
12/20/90	0317	yes	D008	4413080	Fort	17.0	36180	Peoria Disposal	39.6
12/20/90	0318	yes	D008	4413081	Fort	17.0	37140	Peoria Disposal	39.6
12/20/90	0319	yes	D008	4413082	Fort	17.0	32580	Peoria Disposal	54.9
01/03/91	0320	yes	D008	4413083	Liberty	17.0	49340	Peoria Disposal	39.6
01/03/91	0321	yes	D008	4413084	Fort	17.0	43700	Peoria Disposal	39.6
01/03/91	0322	yes	D008	4413085	Fort	17.0	42640	Peoria Disposal	39.6
01/03/91	0323	yes	D008	4413086	Fort	17.0	46560	Peoria Disposal	39.6
01/03/91	0324	yes	D008	4413087	Fort	17.0	44280	Peoria Disposal	39.6
01/03/91	0325	yes	D008	4413088	Fort	17.0	45080	Peoria Disposal	39.6
01/03/91	0326	yes	D008	4413089	Fort	17.0	44900	Peoria Disposal	39.6
01/03/91	0327	yes	D008	4413090	Fort	17.0	45080	Peoria Disposal	39.6
01/04/91	0328	yes	D008	4413091	Liberty	17.0	48460	Peoria Disposal	5.0
01/04/91	0329	yes	D008	4413092	Liberty	17.0	45580	Peoria Disposal	5.0
01/04/91	0330	yes	D008	4413093	Liberty	17.0	45800	Peoria Disposal	5.0
01/04/91	0331	yes	D008	4413094	Fort	17.0	44020	Peoria Disposal	5.0
01/04/91	0332	yes	D008	4413095	Fort	17.0	48460	Peoria Disposal	5.0
01/04/91	0333	yes	D008	4413096	Fort	17.0	48240	Peoria Disposal	5.0
01/08/91	0334	yes	D008	4413097	Fort	17.0	47080	Peoria Disposal	9.2
01/08/91	0335	yes	D008	4413098	Fort	17.0	47540	Peoria Disposal	9.2
01/04/91	0336	yes	D008	4413099	Liberty	17.0	48180	Peoria Disposal	5.0
01/04/91	0337	yes	D008	4413100	Liberty	17.0	46600	Peoria Disposal	5.0
01/07/91	0338	yes	D008	4413101	Liberty	17.0	43980	Peoria Disposal	9.2
01/07/91	0339	yes	D008	4413102	Liberty	17.0	43820	Peoria Disposal	9.2
01/07/91	0340	yes	D008	4413103	Liberty	17.0	44240	Peoria Disposal	9.2
01/07/91	0341	yes	D008	4413104	Liberty	17.0	47100	Peoria Disposal	9.2
01/07/91	0342	yes	D008	4413105	Liberty	17.0	46940	Peoria Disposal	9.2
01/07/91	0343	yes	D008	4413106	Liberty	17.0	48680	Peoria Disposal	9.2
01/08/91	0344	yes	D008	4413107	Liberty	17.0	48260	Peoria Disposal	9.2
01/08/91	0345	yes	D008	4413108	Fort	17.0	47520	Peoria Disposal	9.2

TABLE D-1
(CONTINUED)

DATE	MANIFEST NO.	RETURN	EPA H.W. ID. NO.	STATE MANIFEST NO.	SHIPPER	VOLUME (cu yd)	WEIGHT (lbs)	DESTINATION	HARDHAMMER CONC. (mg/l)
01/08/91	0346	yes	D008	4413109	Fort	17.0	48480	Peoria Disposal	9.2
01/08/91	0347	yes	D008	4413110	Fort	17.0	44500	Peoria Disposal	9.2
01/09/91	0348	yes	D008	4413113	Liberty	17.0	47420	Peoria Disposal	5.0
01/09/91	0349	yes	D008	4413112	Fort	17.0	48200	Peoria Disposal	5.0
01/09/91	0350	yes	D008	4413114	Fort	17.0	48140	Peoria Disposal	5.0
01/09/91	0351	yes	D008	4413118	Fort	17.0	47860	Peoria Disposal	5.0
01/09/91	0352	yes	D008	4413115	Fort	17.0	47340	Peoria Disposal	5.0
01/11/91	0353	yes	D008	4413116	Fort	17.0	50060	Peoria Disposal	20.0
01/11/91	0354	yes	D008	4413117	Liberty	17.0	47820	Peoria Disposal	20.0
01/14/91	0355	yes	D008	4413120	Liberty	17.0	48660	Peoria Disposal	20.0
01/14/91	0356	yes	D008	4413121	Liberty	17.0	48500	Peoria Disposal	20.0
01/14/91	0357	yes	D008	4413122	Liberty	17.0	45360	Peoria Disposal	20.0
01/11/91	0358	yes	D008	4413123	Fort	17.0	46720	Peoria Disposal	20.0
01/14/91	0359	yes	D008	4413124	Fort	17.0	48300	Peoria Disposal	20.0
01/15/91	0360	yes	D008	4413125	Fort	17.0	47500	Peoria Disposal	20.0
01/15/91	0361	yes	D008	4413126	Fort	17.0	46880	Peoria Disposal	20.0
01/15/91	0362	yes	D008	4413127	Fort	17.0	41440	Peoria Disposal	20.0
01/14/91	0363	yes	D008	4413128	Liberty	17.0	48480	Peoria Disposal	20.0
01/14/91	0364	yes	D008	4413129	Liberty	17.0	47340	Peoria Disposal	20.0
01/14/91	0365	yes	D008	4413119	Liberty	17.0	48600	Peoria Disposal	20.0
01/15/91	0366	yes	D008	4413130	Liberty	17.0	47900	Peoria Disposal	20.0
01/15/91	0367	yes	D008	4413131	Liberty	17.0	49880	Peoria Disposal	20.0
01/15/91	0368	yes	D008	4413132	Liberty	17.0	44640	Peoria Disposal	44.2
01/16/91	0369	yes	D008	4413133	Liberty	17.0	47580	Peoria Disposal	44.2
01/15/91	0370	yes	D008	4413134	Fort	17.0	44980	Peoria Disposal	44.2
01/16/91	0371	yes	D008	4413139	Liberty	17.0	48360	Peoria Disposal	44.2
01/16/91	0372	yes	D008	4413138	Liberty	17.0	44960	Peoria Disposal	44.2
01/16/91	0373	yes	D008	4413137	Liberty	17.0	46300	Peoria Disposal	44.2
01/16/91	0374	yes	D008	4413136	Liberty	17.0	44620	Peoria Disposal	44.2
01/16/91	0375	yes	D008	4413135	Fort	17.0	48020	Peoria Disposal	44.2
01/17/91	0376	yes	D008	4413140	Liberty	17.0	47600	Peoria Disposal	44.2
01/17/91	0377	yes	D008	4413141	Liberty	17.0	48720	Peoria Disposal	44.2
01/17/91	0378	yes	D008	4413142	Fort	17.0	48400	Peoria Disposal	44.2
01/17/91	0379	yes	D008	4413143	Fort	17.0	47520	Peoria Disposal	44.2
01/17/91	0380	yes	D008	4413144	Fort	17.0	45500	Peoria Disposal	44.2
01/17/91	0381	yes	D008	4413145	Fort	17.0	46180	Peoria Disposal	44.2
01/18/91	0382	yes	D008	4413146	Fort	17.0	47120	Peoria Disposal	44.2
01/18/91	0383	yes	D008	4413147	Liberty	17.0	48920	Peoria Disposal	44.2
01/18/91	0384	yes	D008	4413148	Liberty	17.0	46140	Peoria Disposal	44.2
01/18/91	0385	yes	D008	4413149	Liberty	17.0	46300	Peoria Disposal	42.0
01/18/91	0386	yes	D008	4413150	Liberty	17.0	45260	Peoria Disposal	42.0
01/18/91	0387	yes	D008	4413151	Liberty	17.0	47020	Peoria Disposal	42.0
01/21/91	0388	yes	D008	4413152	Liberty	17.0	45280	Peoria Disposal	13.0
01/21/91	0389	yes	D008	4413153	Liberty	17.0	46620	Peoria Disposal	13.0
01/21/91	0390	yes	D008	4413154	Liberty	17.0	45900	Peoria Disposal	13.0
01/21/91	0391	yes	D008	4413156	Liberty	17.0	45640	Peoria Disposal	13.0
01/21/91	0392	yes	D008	4413157	Liberty	17.0	48300	Peoria Disposal	13.0
01/21/91	0393	yes	D008	4413155	Liberty	17.0	47160	Peoria Disposal	13.0
01/22/91	0394	yes	D008	4413158	Liberty	17.0	46120	Peoria Disposal	13.0
01/22/91	0395	yes	D008	4413159	Liberty	17.0	47720	Peoria Disposal	6.8
01/23/91	0396	yes	D008	4413160	Fort	17.0	46460	Peoria Disposal	6.8
01/23/91	0397	yes	D008	4413161	Fort	17.0	48080	Peoria Disposal	13.0
01/22/91	0398	yes	D008	4413162	Fort	17.0	43800	Peoria Disposal	13.0
01/22/91	0399	yes	D008	4413163	Fort	17.0	47500	Peoria Disposal	13.0
01/22/91	0400	yes	D008	4413164	Fort	17.0	48340	Peoria Disposal	13.0
01/22/91	0401	yes	D008	4413165	Fort	17.0	46020	Peoria Disposal	13.0
01/22/91	0402	yes	D008	4413167	Fort	17.0	47260	Peoria Disposal	13.0
01/22/91	0403	yes	D008	4413166	Fort	17.0	44180	Peoria Disposal	13.0
01/23/91	0404	yes	D008	4413168	Fort	17.0	46600	Peoria Disposal	13.0
01/23/91	0405	yes	D008	4413169	Fort	17.0	48880	Peoria Disposal	13.0
01/23/91	0406	yes	D008	4413170	Fort	17.0	47760	Peoria Disposal	13.0
01/23/91	0407	yes	D008	4413171	Fort	17.0	46480	Peoria Disposal	13.0
01/23/91	0408	yes	D008	4413172	Fort	17.0	48900	Peoria Disposal	6.8
01/23/91	0409	yes	D008	4413173	Fort	17.0	48720	Peoria Disposal	6.8
01/23/91	0410	yes	D008	4413174	Liberty	17.0	47780	Peoria Disposal	6.8
01/23/91	0411	yes	D008	4413175	Liberty	17.0	48900	Peoria Disposal	6.8
02/04/91	0412	yes	D008	4413176	Liberty	17.0	48460	Peoria Disposal	6.8
02/04/91	0413	yes	D008	4413177	Liberty	17.0	49182	Peoria Disposal	6.8
02/04/91	0414	yes	D008	4413178	Liberty	17.0	48060	Peoria Disposal	6.8

TABLE D-1
(CONTINUED)

DATE	MANIFEST NO.	RETURN	EPA H.W. ID. NO.	STATE MANIFEST NO.	SHIPPER	VOLUME (cu yd)	WEIGHT (lbs)	DESTINATION	HARDHAMMER CONC. (mg/l)
02/04/91	0415	yes	D008	4413179	Liberty	17.0	47860	Peoria Disposal	6.8
02/04/91	0416	yes	D008	4413180	Liberty	17.0	46940	Peoria Disposal	6.8
02/04/91	0417	yes	D008	4413181	Liberty	17.0	47320	Peoria Disposal	6.8
02/05/91	0418	yes	D008	4413182	Fort	17.0	46560	Peoria Disposal	23.8
02/05/91	0419	yes	D008	4413183	Liberty	17.0	22600	Peoria Disposal	6.8
02/05/91	0420	yes	D008	4413184	Liberty	17.0	45500	Peoria Disposal	6.8
02/05/91	0421	yes	D008	4413185	Liberty	17.0	48480	Peoria Disposal	23.8
02/05/91	0422	yes	D008	4413186	Liberty	17.0	47440	Peoria Disposal	23.8
02/05/91	0423	yes	D008	4413187	Liberty	17.0	47000	Peoria Disposal	23.8
02/06/91	0424	yes	D008	4413188	Fort	17.0	49180	Peoria Disposal	23.8
02/06/91	0425	yes	D008	4413189	Fort	17.0	46520	Peoria Disposal	23.8
02/06/91	0426	yes	D008	4413190	Liberty	17.0	49420	Peoria Disposal	23.8
02/06/91	0427	yes	D008	4413191	Liberty	17.0	49140	Peoria Disposal	23.8
02/06/91	0428	yes	D008	4413192	Liberty	17.0	49100	Peoria Disposal	23.8
02/06/91	0429	yes	D008	4413193	Liberty	17.0	47540	Peoria Disposal	23.8
02/06/91	0430	yes	D008	4413194	Liberty	17.0	47020	Peoria Disposal	23.8
02/06/91	0431	yes	D008	4413195	Liberty	17.0	44440	Peoria Disposal	23.8
02/07/91	0432	yes	D008	4413196	Liberty	17.0	44680	Peoria Disposal	23.8
02/07/91	0433	yes	D008	4413197	Liberty	17.0	46160	Peoria Disposal	23.8
02/07/91	0434	yes	D008	4413198	Liberty	17.0	47580	Peoria Disposal	23.8
02/07/91	0435	yes	D008	4413199	Liberty	17.0	45000	Peoria Disposal	24.1
02/07/91	0436	yes	D008	4413200	Liberty	17.0	47340	Peoria Disposal	24.1
02/07/91	0347	yes	D008	4436005	Fort	17.0	45300	Peoria Disposal	24.1
02/07/91	0438	yes	D008	4436004	Fort	17.0	47260	Peoria Disposal	24.1
02/07/91	0439	yes	D008	4436003	Fort	17.0	48120	Peoria Disposal	24.1
02/07/91	0440	yes	D008	4436002	Fort	17.0	47340	Peoria Disposal	24.1
02/07/91	0441	yes	D008	4436001	Fort	17.0	46960	Peoria Disposal	24.1
02/11/91	0442	yes	D008	4436006	Liberty	17.0	48600	Peoria Disposal	24.1
02/11/91	0443	yes	D008	4436007	Liberty	17.0	49760	Peoria Disposal	24.1
02/11/91	0444	yes	D008	4436013	Liberty	17.0	46840	Peoria Disposal	24.1
02/11/91	0445	yes	D008	4436008	Liberty	17.0	50020	Peoria Disposal	12.9
02/11/91	0446	yes	D008	4436009	Liberty	17.0	46800	Peoria Disposal	12.9
02/11/91	0447	yes	D008	4436010	Liberty	17.0	46960	Peoria Disposal	12.9
02/11/91	0448	yes	D008	4436011	Liberty	17.0	45940	Peoria Disposal	12.9
02/11/91	0449	yes	D008	4436012	Liberty	17.0	45540	Peoria Disposal	12.9
02/12/91	0450	yes	D008	4436014	Liberty	17.0	45380	Peoria Disposal	12.9
02/12/91	0451	yes	D008	4436015	Liberty	17.0	48880	Peoria Disposal	12.9
02/12/91	0452	yes	D008	4436016	Liberty	17.0	46440	Peoria Disposal	12.9
02/12/91	0453	yes	D008	4436017	Liberty	17.0	46440	Peoria Disposal	12.9
02/12/91	0454	yes	D008	4436018	Fort	17.0	46900	Peoria Disposal	12.9
02/12/91	0455	yes	D008	4436019	Fort	17.0	49220	Peoria Disposal	12.9
02/12/91	0456	yes	D008	4436020	Fort	17.0	46160	Peoria Disposal	12.9
02/12/91	0457	yes	D008	4436021	Fort	17.0	45420	Peoria Disposal	12.9
02/13/91	0458	yes	D008	4436022	Liberty	17.0	48840	Peoria Disposal	5.3
02/13/91	0459	yes	D008	4436023	Liberty	17.0	47160	Peoria Disposal	5.3
02/13/91	0460	yes	D008	4436024	Liberty	17.0	48500	Peoria Disposal	5.3
02/13/91	0461	yes	D008	4436025	Liberty	17.0	48880	Peoria Disposal	5.3
02/13/91	0462	yes	D008	4436026	Liberty	17.0	46520	Peoria Disposal	5.3
02/13/91	0463	yes	D008	4436027	Liberty	17.0	45340	Peoria Disposal	5.3
02/13/91	0464	yes	D008	4436028	Liberty	17.0	46940	Peoria Disposal	5.3
02/13/91	0465	yes	D008	4436029	Liberty	17.0	45860	Peoria Disposal	5.3
02/14/91	0466	yes	D008	4436030	Fort	17.0	46020	Peoria Disposal	5.3
02/14/91	0467	yes	D008	4436031	Fort	17.0	46320	Peoria Disposal	5.3
02/14/91	0468	yes	D008	4436032	Fort	17.0	47880	Peoria Disposal	5.3
02/14/91	0469	yes	D008	4436033	Fort	17.0	45880	Peoria Disposal	5.3
02/14/91	0470	yes	D008	4436034	Fort	17.0	45600	Peoria Disposal	5.3
02/14/91	0471	yes	D008	4436035	Fort	17.0	49380	Peoria Disposal	5.3
02/14/91	0472	yes	D008	4436036	Liberty	17.0	46480	Peoria Disposal	5.3
02/14/91	0473	yes	D008	4436037	Liberty	17.0	48540	Peoria Disposal	5.3
02/14/91	0474	yes	D008	4436038	Liberty	17.0	48360	Peoria Disposal	5.3
02/14/91	0475	yes	D008	4436039	Liberty	17.0	47360	Peoria Disposal	5.3
02/14/91	0476	yes	D008	4436040	Liberty	17.0	47180	Peoria Disposal	8.9
02/15/91	0477	yes	D008	4436041	Liberty	17.0	48700	Peoria Disposal	8.9
02/15/91	0478	yes	D008	4436042	Liberty	17.0	47060	Peoria Disposal	8.9
02/15/91	0479	yes	D008	4436043	Liberty	17.0	48620	Peoria Disposal	8.9
02/15/91	0480	yes	D008	4436044	Liberty	17.0	46360	Peoria Disposal	8.9

TABLE D-1
(CONTINUED)

DATE	MANIFEST NO.	RETURN	EPA H.W. ID. NO.	STATE MANIFEST NO.	SHIPPER	VOLUME (cu yd)	WEIGHT (lbs)	DESTINATION	HARDHAMMER CONC. (mg/l)
02/15/91	0481	yes	D008	4436045	Liberty	17.0	49200	Peoria Disposal	8.9
02/15/91	0482	yes	D008	4436046	Liberty	17.0	47760	Peoria Disposal	8.9
02/15/91	0483	yes	D008	4436047	Liberty	17.0	47660	Peoria Disposal	8.9
02/19/91	0484	yes	D008	4436049	Liberty	17.0	48940	Peoria Disposal	197.0
02/19/91	0485	yes	D008	4436050	Liberty	17.0	47300	Peoria Disposal	197.0
02/19/91	0486	yes	D008	4436051	Liberty	17.0	49660	Peoria Disposal	197.0
02/19/91	0487	yes	D008	4436052	Liberty	17.0	46560	Peoria Disposal	197.0
02/19/91	0488	yes	D008	4436053	Liberty	17.0	47900	Peoria Disposal	197.0
02/19/91	0489	yes	D008	4436054	Liberty	17.0	45780	Peoria Disposal	197.0
02/19/91	0490	yes	D008	4436055	Liberty	17.0	45380	Peoria Disposal	197.0
02/19/91	0491	yes	D008	4436056	Liberty	17.0	46620	Peoria Disposal	197.0
02/20/91	0492	yes	D008	4436048	Liberty	17.0	47040	Peoria Disposal	197.0
02/20/91	0493	yes	D008	4436057	Liberty	17.0	45320	Peoria Disposal	197.0
02/20/91	0494	yes	D008	4436058	Liberty	17.0	47800	Peoria Disposal	197.0
02/20/91	0495	yes	D008	4436059	Liberty	17.0	46920	Peoria Disposal	197.0
02/20/91	0496	yes	D008	4436060	Fort	17.0	48220	Peoria Disposal	197.0
02/20/91	0497	yes	D008	4436061	Fort	17.0	42480	Peoria Disposal	8.9
02/20/91	0498	yes	D008	4436062	Fort	17.0	46340	Peoria Disposal	8.9
02/20/91	0499	yes	D008	4436063	Fort	17.0	47140	Peoria Disposal	179.0
02/20/91	0500	yes	D008	4436064	Fort	17.0	46880	Peoria Disposal	179.0
02/20/91	0501	yes	D008	4436065	Fort	17.0	48900	Peoria Disposal	179.0
02/20/91	0502	yes	D008	4436066	Fort	17.0	46020	Peoria Disposal	179.0
02/20/91	0503	yes	D008	4436067	Fort	17.0	44700	Peoria Disposal	179.0
02/21/91	0504	yes	D008	4436068	Liberty	17.0	48060	Peoria Disposal	179.0
02/21/91	0505	yes	D008	4436069	Liberty	17.0	48080	Peoria Disposal	179.0
02/21/91	0506	yes	D008	4436070	Liberty	17.0	48860	Peoria Disposal	179.0
02/21/91	0507	yes	D008	4436071	Liberty	17.0	47860	Peoria Disposal	179.0
02/21/91	0508	yes	D008	4436072	Liberty	17.0	46800	Peoria Disposal	179.0
02/21/91	0509	yes	D008	4436073	Liberty	17.0	47360	Peoria Disposal	15.0
02/21/91	0510	yes	D008	4436074	Liberty	17.0	47040	Peoria Disposal	15.0
02/21/91	0511	yes	D008	4436075	Liberty	17.0	45700	Peoria Disposal	15.0
02/21/91	0512	yes	D008	4436076	Fort	17.0	45820	Peoria Disposal	15.0
02/21/91	0513	yes	D008	4436077	Fort	17.0	47780	Peoria Disposal	15.0
02/21/91	0514	yes	D008	4436078	Fort	17.0	44280	Peoria Disposal	15.0
02/21/91	0515	yes	D008	4436079	Fort	17.0	45180	Peoria Disposal	15.0
02/22/91	0516	yes	D008	4436081	Liberty	17.0	49440	Peoria Disposal	15.0
02/22/91	0517	yes	D008	4436082	Liberty	17.0	45260	Peoria Disposal	249.0
02/22/91	0518	yes	D008	4436083	Liberty	17.0	48220	Peoria Disposal	249.0
02/22/91	0519	yes	D008	4436084	Liberty	17.0	49600	Peoria Disposal	249.0
02/22/91	0520	yes	D008	4436085	Fort	17.0	47340	Peoria Disposal	249.0
02/22/91	0521	yes	D008	4436086	Fort	17.0	46580	Peoria Disposal	249.0
02/22/91	0522	yes	D008	4436080	Fort	17.0	48000	Peoria Disposal	249.0
02/22/91	0523	yes	D008	4436087	Fort	17.0	49620	Peoria Disposal	249.0
02/22/91	0524	yes	D008	4436088	Fort	17.0	47840	Peoria Disposal	249.0
02/22/91	0525	yes	D008	4436089	Fort	17.0	47840	Peoria Disposal	249.0
02/25/91	0526	yes	D008	4436090	Liberty	17.0	47420	Peoria Disposal	249.0
02/25/91	0527	yes	D008	4436091	Liberty	17.0	49160	Peoria Disposal	249.0
02/25/91	0528	yes	D008	4436092	Liberty	17.0	47160	Peoria Disposal	249.0
02/25/91	0529	yes	D008	4436093	Liberty	17.0	47100	Peoria Disposal	249.0
02/25/91	0530	yes	D008	4436094	Liberty	17.0	46380	Peoria Disposal	249.0
02/25/91	0531	yes	D008	4436095	Liberty	17.0	50780	Peoria Disposal	46.1
02/25/91	0532	yes	D008	4436096	Liberty	17.0	44360	Peoria Disposal	46.1
02/25/91	0533	yes	D008	4436097	Liberty	17.0	48180	Peoria Disposal	46.1
02/26/91	0534	yes	D008	4436098	Liberty	17.0	48120	Peoria Disposal	46.1
02/26/91	0535	yes	D008	4436099	Liberty	17.0	45300	Peoria Disposal	46.1
02/26/91	0536	yes	D008	4436100	Liberty	17.0	48120	Peoria Disposal	46.1
02/26/91	0537	yes	D008	4436101	Liberty	17.0	47080	Peoria Disposal	46.1
02/26/91	0538	yes	D008	4436102	Liberty	17.0	46900	Peoria Disposal	46.1
02/26/91	0539	yes	D008	4436103	Liberty	17.0	44640	Peoria Disposal	46.1
02/26/91	0540	yes	D008	4436104	Liberty	17.0	48640	Peoria Disposal	46.1
02/26/91	0541	yes	D008	4436105	Liberty	17.0	47680	Peoria Disposal	46.1
02/27/91	0542	yes	D008	4436106	Liberty	17.0	47240	Peoria Disposal	19.4
02/27/91	0543	yes	D008	4436107	Liberty	17.0	47740	Peoria Disposal	19.4
02/27/91	0544	yes	D008	4436108	Liberty	17.0	47580	Peoria Disposal	19.4
02/27/91	0545	yes	D008	4436109	Liberty	17.0	47760	Peoria Disposal	19.4
02/27/91	0546	yes	D008	4436110	Liberty	17.0	49040	Peoria Disposal	19.4

TABLE D-1
(CONTINUED)

DATE	MANIFEST NO.	RETURN	EPA H.W. ID. NO.	STATE MANIFEST NO.	SHIPPER	VOLUME (cu yd)	WEIGHT (lbs)	DESTINATION	HARDHAMMER CONC. (mg/l)
02/27/91	0547	yes	D008	4436111	Liberty	17.0	49120	Peoria Disposal	19.4
02/27/91	0548	yes	D008	4436112	Liberty	17.0	47122	Peoria Disposal	19.4
02/27/91	0549	yes	D008	4436113	Fort	17.0	47540	Peoria Disposal	19.4
02/28/91	0550	yes	D008	4436114	Liberty	17.0	47960	Peoria Disposal	19.4
02/28/91	0551	yes	D008	4436115	Liberty	17.0	47040	Peoria Disposal	19.4
02/28/91	0552	yes	D008	4436116	Liberty	17.0	48180	Peoria Disposal	19.4
02/28/91	0553	yes	D008	4436117	Liberty	17.0	47640	Peoria Disposal	11.0
02/28/91	0554	yes	D008	4436118	Liberty	17.0	48040	Peoria Disposal	11.0
02/28/91	0555	yes	D008	4436119	Liberty	17.0	46720	Peoria Disposal	11.0
02/28/91	0556	yes	D008	4436120	Liberty	17.0	53060	Peoria Disposal	11.0
02/28/91	0557	yes	D008	4436121	Liberty	17.0	48880	Peoria Disposal	67.0
03/01/91	0558	yes	D008	4436122	Liberty	17.0	46240	Peoria Disposal	67.0
03/01/91	0559	yes	D008	4436123	Liberty	17.0	47020	Peoria Disposal	67.0
03/01/91	0560	yes	D008	4436124	Liberty	17.0	49240	Peoria Disposal	67.0
03/01/91	0561	yes	D008	4436125	Liberty	17.0	48120	Peoria Disposal	67.0
03/01/91	0562	yes	D008	4436126	Liberty	17.0	47180	Peoria Disposal	67.0
03/01/91	0563	yes	D008	4436127	Liberty	17.0	48760	Peoria Disposal	67.0
03/01/91	0564	yes	D008	4436128	Liberty	17.0	47780	Peoria Disposal	67.0
03/01/91	0565	yes	D008	4436129	Liberty	17.0	47100	Peoria Disposal	67.0
03/04/91	0566	yes	D008	4436130	Liberty	17.0	46280	Peoria Disposal	151.0
03/04/91	0567	yes	D008	4436131	Liberty	17.0	47880	Peoria Disposal	151.0
03/04/91	0568	yes	D008	4436132	Liberty	17.0	49460	Peoria Disposal	151.0
03/04/91	0569	yes	D008	4436133	Liberty	17.0	47800	Peoria Disposal	151.0
03/04/91	0570	yes	D008	4436134	Liberty	17.0	47800	Peoria Disposal	151.0
03/04/91	0571	yes	D008	4436135	Liberty	17.0	44080	Peoria Disposal	151.0
03/04/91	0572	yes	D008	4436136	Fort	17.0	46440	Peoria Disposal	151.0
03/04/91	0573	yes	D008	4436137	Fort	17.0	49160	Peoria Disposal	151.0
03/04/91	0574	yes	D008	4436138	Fort	17.0	37820	Peoria Disposal	151.0
03/05/91	0575	yes	D008	4436139	Liberty	17.0	41520	Peoria Disposal	151.0
03/05/91	0576	yes	D008	4436140	Liberty	17.0	47310	Peoria Disposal	151.0
03/05/91	0577	yes	D008	4436141	Liberty	17.0	44080	Peoria Disposal	17.3
03/05/91	0578	yes	D008	4436142	Liberty	17.0	48260	Peoria Disposal	17.3
03/05/91	0579	yes	D008	4436143	Liberty	17.0	45520	Peoria Disposal	17.3
03/05/91	0580	yes	D008	4436144	Fort	17.0	47460	Peoria Disposal	17.3
03/05/91	0581	yes	D008	4436145	Fort	17.0	46120	Peoria Disposal	17.3
03/05/91	0582	yes	D008	4436148	Fort	17.0	47700	Peoria Disposal	17.3
03/06/91	0583	yes	D008	4436146	Liberty	17.0	48320	Peoria Disposal	17.3
03/06/91	0584	yes	D008	4436147	Liberty	17.0	47780	Peoria Disposal	17.3
03/06/91	0585	yes	D008	4436149	Liberty	17.0	47980	Peoria Disposal	17.3
03/06/91	0586	yes	D008	4436150	Liberty	17.0	47780	Peoria Disposal	17.3
03/06/91	0587	yes	D008	4436151	Liberty	17.0	47760	Peoria Disposal	17.3
03/06/91	0588	yes	D008	4436152	Liberty	17.0	47780	Peoria Disposal	17.3
03/06/91	0589	yes	D008	4436153	Liberty	17.0	48420	Peoria Disposal	17.3
03/07/91	0590	yes	D008	4436154	Liberty	17.0	49100	Peoria Disposal	17.3
03/07/91	0592	yes	D008	4436156	Liberty	17.0	48820	Peoria Disposal	52.5
03/07/91	0593	yes	D008	4436157	Liberty	17.0	47940	Peoria Disposal	52.5
03/07/91	0594	yes	D008	4436158	Liberty	17.0	48080	Peoria Disposal	52.5
03/07/91	0595	yes	D008	4436159	Liberty	17.0	46500	Peoria Disposal	52.5
03/07/91	0596	yes	D008	4436160	Liberty	17.0	48920	Peoria Disposal	52.5
03/07/91	0597	yes	D008	4436161	Liberty	17.0	48000	Peoria Disposal	52.5
03/07/91	0598	yes	D008	4436162	Liberty	17.0	47340	Peoria Disposal	52.5
03/07/91	0591	yes	D008	4436155	Fort	17.0	34360	Peoria Disposal	9.2
03/11/91	0599	yes	D008	4436163	Liberty	17.0	49800	Peoria Disposal	9.2
03/11/91	0600	yes	D008	4436164	Liberty	17.0	47640	Peoria Disposal	9.2
03/11/91	0601	yes	D008	4436165	Liberty	17.0	48260	Peoria Disposal	9.2
03/11/91	0602	yes	D008	4436166	Fort	17.0	31240	Peoria Disposal	9.2
03/11/91	0603	yes	D008	4436167	Fort	17.0	32020	Peoria Disposal	9.2
03/11/91	0609	yes	D008	4436173	Liberty	17.0	48560	Peoria Disposal	9.2
03/11/91	0610	yes	D008	4436174	Liberty	17.0	47420	Peoria Disposal	9.2
03/11/91	0611	yes	D008	4436175	Liberty	17.0	46580	Peoria Disposal	9.2
03/11/91	0612	yes	D008	4436177	Liberty	17.0	42780	Peoria Disposal	9.2
03/11/91	0613	yes	D008	4436178	Liberty	17.0	50260	Peoria Disposal	9.2
03/12/91	0614	yes	D008	4436179	Liberty	17.0	47580	Peoria Disposal	9.2
03/12/91	0604	yes	D008	4436168	Fort	17.0	49840	Peoria Disposal	9.2
03/12/91	0605	yes	D008	4436169	Fort	17.0	30560	Peoria Disposal	9.2

TABLE D-1
(CONTINUED)

DATE	MANIFEST NO.	RETURN	EPA H.W. ID. NO.	STATE MANIFEST NO.	SHIPPER	VOLUME (cu yd)	WEIGHT (lbs)	DESTINATION	HARDHAMMER CONC. (mg/l)
03/12/91	0606	yes	D008	4436170	Fort	17.0	46400	Peoria Disposal	52.5
03/12/91	0607	yes	D008	4436171	Fort	17.0	46960	Peoria Disposal	52.5
03/13/91	0615	yes	D008	4436180	Liberty	17.0	47520	Peoria Disposal	52.5
03/13/91	0616	yes	D008	4436181	Liberty	17.0	49940	Peoria Disposal	52.5
03/13/91	0617	yes	D008	4436182	Liberty	17.0	48860	Peoria Disposal	52.5
03/13/91	0618	yes	D008	4436183	Liberty	17.0	49400	Peoria Disposal	52.5
03/13/91	0619	yes	D008	4436184	Liberty	17.0	49300	Peoria Disposal	38.1
03/13/91	0620	yes	D008	4436185	Liberty	17.0	46680	Peoria Disposal	38.1
03/13/91	0621	yes	D008	4436186	Liberty	17.0	46860	Peoria Disposal	38.1
03/13/91	0622	yes	D008	4436187	Liberty	17.0	50180	Peoria Disposal	38.1
03/13/91	0608	yes	D008	4436172	Fort	17.0	49520	Peoria Disposal	52.5
03/14/91	0623	yes	D008	4436188	Liberty	17.0	47500	Peoria Disposal	38.1
03/14/91	0624	yes	D008	4436189	Fort	17.0	47460	Peoria Disposal	38.1
03/14/91	0625	yes	D008	4436190	Fort	17.0	47520	Peoria Disposal	38.1
03/14/91	0626	yes	D008	4436191	Fort	17.0	48060	Peoria Disposal	38.1
03/14/91	0627	yes	D008	4436192	Fort	17.0	47400	Peoria Disposal	38.1
03/14/91	0628	yes	D008	4436193	Fort	17.0	47880	Peoria Disposal	38.1
03/14/91	0629	yes	D008	4436194	Fort	17.0	46400	Peoria Disposal	38.1
03/15/91	0629	yes	D008	4436195	Liberty	17.0	28520	Peoria Disposal	19.6
03/15/91	0630	yes	D008	4436196	Liberty	17.0	50040	Peoria Disposal	38.1
03/15/91	0631	yes	D008	4436197	Liberty	17.0	48040	Peoria Disposal	38.1
03/15/91	0632	yes	D008	4436198	Liberty	17.0	47920	Peoria Disposal	38.1
03/15/91	0633	yes	D008	4436199	Liberty	17.0	48720	Peoria Disposal	38.1
03/15/91	0634	yes	D008	4436200	Liberty	17.0	45520	Peoria Disposal	6.2
03/15/91	0635	yes	D008	4464259	Liberty	17.0	47040	Peoria Disposal	6.2
03/15/91	0636	yes	D008	4464260	Liberty	17.0	47560	Peoria Disposal	6.2
03/18/91	0637	yes	D008	4464261	Liberty	17.0	49040	Peoria Disposal	6.2
03/18/91	0638	yes	D008	4464262	Liberty	17.0	48020	Peoria Disposal	6.2
03/18/91	0639	yes	D008	4464263	Liberty	17.0	48840	Peoria Disposal	6.2
03/18/91	0640	yes	D008	4464264	Liberty	17.0	48120	Peoria Disposal	6.2
03/18/91	0641	yes	D008	4464265	Liberty	17.0	47260	Peoria Disposal	6.2
03/18/91	0642	yes	D008	4464266	Liberty	17.0	46920	Peoria Disposal	6.2
03/18/91	0643	yes	D008	4464267	Liberty	17.0	47040	Peoria Disposal	197.6
03/18/91	0644	yes	D008	4464268	Liberty	17.0	49280	Peoria Disposal	6.2
03/19/91	0645	yes	D008	4464269	Liberty	17.0	45980	Peoria Disposal	197.6
03/19/91	0646	yes	D008	4464270	Liberty	17.0	50260	Peoria Disposal	197.6
03/19/91	0647	yes	D008	4464271	Liberty	17.0	48500	Peoria Disposal	197.6
03/19/91	0648	yes	D008	4464272	Liberty	17.0	48400	Peoria Disposal	197.6
03/19/91	0649	yes	D008	4464273	Fort	17.0	46660	Peoria Disposal	197.6
03/19/91	0650	yes	D008	4464274	Fort	17.0	47700	Peoria Disposal	197.6
03/19/91	0651	yes	D008	4464275	Fort	17.0	47140	Peoria Disposal	197.6
03/19/91	0652	yes	D008	4464276	Fort	17.0	46760	Peoria Disposal	197.6
03/20/91	0653	yes	D008	4464277	Liberty	17.0	49000	Peoria Disposal	197.6
03/20/91	0654	yes	D008	4464278	Liberty	17.0	48820	Peoria Disposal	197.6
03/20/91	0655	yes	D008	4464279	Liberty	17.0	48240	Peoria Disposal	197.6
03/20/91	0656	yes	D008	4464280	Liberty	17.0	47900	Peoria Disposal	15.0
03/20/91	0657	yes	D008	4464281	Liberty	17.0	48060	Peoria Disposal	15.0
03/20/91	0658	yes	D008	4464282	Liberty	17.0	46780	Peoria Disposal	15.0
03/20/91	0659	yes	D008	4464283	Liberty	17.0	48340	Peoria Disposal	15.0
03/20/91	0660	yes	D008	4464284	Liberty	17.0	48200	Peoria Disposal	15.0
03/21/91	0661	yes	D008	4464285	Liberty	17.0	49220	Peoria Disposal	15.0
03/21/91	0662	yes	D008	4464286	Liberty	17.0	45440	Peoria Disposal	15.0
03/21/91	0663	yes	D008	4464287	Liberty	17.0	48520	Peoria Disposal	15.0
03/21/91	0664	yes	D008	4464288	Liberty	17.0	48120	Peoria Disposal	15.0
03/21/91	0665	yes	D008	4464289	Fort	17.0	46260	Peoria Disposal	15.0
03/21/91	0666	yes	D008	4464290	Fort	17.0	37520	Peoria Disposal	15.0
03/21/91	0667	yes	D008	4464291	Fort	17.0	48940	Peoria Disposal	15.0
03/21/91	0668	yes	D008	4464292	Fort	17.0	45800	Peoria Disposal	15.0
03/22/91	0669	yes	D008	4464293	Fort	17.0	39220	Peoria Disposal	14.6
03/22/91	0670	yes	D008	4464294	Fort	17.0	40840	Peoria Disposal	14.6
03/22/91	0671	yes	D008	4464295	Fort	17.0	40080	Peoria Disposal	14.6
03/22/91	0672	yes	D008	4464296	Fort	17.0	40200	Peoria Disposal	14.6
03/22/91	0673	yes	D008	4464297	Fort	17.0	39620	Peoria Disposal	14.6
03/22/91	0674	yes	D008	4464298	Fort	17.0	38720	Peoria Disposal	14.6
03/22/91	0675	yes	D008	4464299	Fort	17.0	39200	Peoria Disposal	14.6
03/22/91	0676	yes	D008	4464300	Fort	17.0	38400	Peoria Disposal	14.6

TABLE D-1
(CONTINUED)

DATE	MANIFEST NO.	RETURN	EPA H.W. ID. NO.	STATE MANIFEST NO.	SHIPPER	VOLUME (cu yd)	WEIGHT (lbs)	DESTINATION	HARDHAMMER CONC. (mg/l)
03/25/91	0677	yes	D008	4464201	Liberty	17.0	49240	Peoria Disposal	14.6
03/25/91	0678	yes	D008	4464202	Fort	15.0	39480	Peoria Disposal	14.6
03/25/91	0679	yes	D008	4464203	Fort	15.0	45060	Peoria Disposal	14.6
03/25/91	0680	yes	D008	4464204	Fort	15.0	49040	Peoria Disposal	14.6
03/25/91	0681	yes	D008	4464205	Fort	15.0	47460	Peoria Disposal	136.0
03/25/91	0682	yes	D008	4464206	Fort	15.0	48340	Peoria Disposal	136.0
03/25/91	0683	yes	D008	4464207	Fort	15.0	38580	Peoria Disposal	136.0
03/25/91	0684	yes	D008	4464208	Fort	15.0	39300	Peoria Disposal	136.0
03/25/91	0685	yes	D008	4464209	Fort	15.0	41400	Peoria Disposal	136.0
03/26/91	0686	yes	D008	4464210	Fort	15.0	38200	Peoria Disposal	136.0
03/26/91	0687	yes	D008	4464211	Fort	15.0	42060	Peoria Disposal	136.0
03/26/91	0688	yes	D008	4464212	Fort	15.0	39300	Peoria Disposal	136.0
03/26/91	0689	yes	D008	4464213	Fort	15.0	40040	Peoria Disposal	136.0
03/26/91	0690	yes	D008	4464214	Fort	15.0	41920	Peoria Disposal	136.0
03/26/91	0691	yes	D008	4464215	Fort	15.0	37980	Peoria Disposal	136.0
03/26/91	0692	yes	D008	4464216	Fort	15.0	38220	Peoria Disposal	136.0
03/26/91	0693	yes	D008	4464217	Fort	15.0	45260	Peoria Disposal	136.0
03/26/91	0694	yes	D008	4464218	Fort	15.0	39100	Peoria Disposal	136.0
03/27/91	0695	yes	D008	4464219	Liberty	17.0	47140	Peoria Disposal	136.0
03/27/91	0696	yes	D008	4464220	Liberty	17.0	45480	Peoria Disposal	136.0
03/27/91	0697	yes	D008	4464221	Liberty	17.0	38720	Peoria Disposal	29.8
03/27/91	0698	yes	D008	4464222	Fort	15.0	38080	Peoria Disposal	29.8
03/27/91	0699	yes	D008	4464223	Fort	15.0	38460	Peoria Disposal	29.8
03/27/91	0700	yes	D008	4464224	Fort	15.0	47980	Peoria Disposal	29.8
03/27/91	0701	yes	D008	4464225	Fort	15.0	38960	Peoria Disposal	29.8
03/27/91	0702	yes	D008	4464226	Fort	15.0	39220	Peoria Disposal	29.8
03/27/91	0703	yes	D008	4464227	Fort	15.0	38440	Peoria Disposal	29.8
04/03/91	0704	yes	D008	4464228	Fort	17.0	49280	Peoria Disposal	29.8
04/03/91	0705	yes	D008	4464229	Fort	17.0	47100	Peoria Disposal	136.0
04/03/91	0706	yes	D008	4464230	Fort	17.0	45860	Peoria Disposal	136.0
04/03/91	0707	yes	D008	4464231	Fort	17.0	46420	Peoria Disposal	136.0
04/03/91	0708	yes	D008	4464232	Fort	17.0	48640	Peoria Disposal	136.0
04/03/91	0709	yes	D008	4464233	Liberty	17.0	49820	Peoria Disposal	29.8
04/03/91	0710	yes	D008	4464234	Liberty	17.0	49960	Peoria Disposal	136.0
04/03/91	0711	yes	D008	4464235	Liberty	17.0	48520	Peoria Disposal	136.0
04/03/91	0712	yes	D008	4464236	Liberty	17.0	46400	Peoria Disposal	136.0
04/04/91	0713	yes	D008	4464237	Liberty	17.0	49960	Peoria Disposal	136.0
04/04/91	0713A	yes	D008	4464238	Liberty	17.0	48360	Peoria Disposal	24.4
04/04/91	0714	yes	D008	4464239	Fort	17.0	47260	Peoria Disposal	24.4
04/04/91	0715	yes	D008	4464240	Fort	17.0	40500	Peoria Disposal	24.4
04/04/91	0716	yes	D008	4464241	Fort	17.0	47880	Peoria Disposal	24.4
04/04/91	0717	yes	D008	4464242	Fort	17.0	49020	Peoria Disposal	24.4
04/04/91	0718	yes	D008	4464243	Fort	17.0	47420	Peoria Disposal	24.4
04/04/91	0719	yes	D008	4464244	Fort	17.0	37756	Peoria Disposal	24.4
04/04/91	0720	yes	D008	4464245	Fort	17.0	46920	Peoria Disposal	24.4
04/04/91	0721	yes	D008	4464246	Fort	17.0	38940	Peoria Disposal	24.4
04/04/91	0722	yes	D008	4464247	Fort	17.0	46180	Peoria Disposal	24.4
04/04/91	0723	yes	D008	4464248	Fort	17.0	36760	Peoria Disposal	24.4
04/05/91	0724	yes	D008	4464249	Liberty	17.0	46040	Peoria Disposal	28.4
04/05/91	0725	yes	D008	4464250	Liberty	17.0	47860	Peoria Disposal	28.4
04/05/91	0726	yes	D008	4464251	Fort	17.0	49460	Peoria Disposal	24.4
04/05/91	0727	yes	D008	4464252	Fort	17.0	48822	Peoria Disposal	24.4
04/05/91	0728	yes	D008	4464253	Fort	17.0	44740	Peoria Disposal	24.4
04/05/91	0729	yes	D008	4464254	Fort	17.0	38820	Peoria Disposal	24.4
04/05/91	0730	yes	D008	4464255	Fort	17.0	48520	Peoria Disposal	24.4
04/05/91	0731	yes	D008	4464256	Fort	17.0	46180	Peoria Disposal	24.4
04/08/91	0732	yes	D008	4464301	Liberty	17.0	47600	Peoria Disposal	28.4
04/08/91	0733	yes	D008	4464302	Liberty	17.0	49380	Peoria Disposal	28.4
04/08/91	0734	yes	D008	4464303	Liberty	17.0	50320	Peoria Disposal	28.4
04/08/91	0735	yes	D008	4464304	Liberty	17.0	49440	Peoria Disposal	28.4
04/08/91	0736	yes	D008	4464305	Liberty	17.0	47760	Peoria Disposal	28.4
04/08/91	0737	yes	D008	4464306	Liberty	17.0	48680	Peoria Disposal	28.4
04/08/91	0738	yes	D008	4464307	Liberty	17.0	47860	Peoria Disposal	28.4
04/08/91	0739	yes	D008	4464308	Fort	17.0	44580	Peoria Disposal	28.4
04/09/91	0740	yes	D008	4464309	Fort	17.0	47840	Peoria Disposal	28.4
04/09/91	0741	yes	D008	4464310	Fort	17.0	46840	Peoria Disposal	28.4

TABLE D-1
(CONTINUED)

DATE	MANIFEST NO.	RETURN	EPA H.W. ID. NO.	STATE MANIFEST NO.	SHIPPER	VOLUME (cu yd)	WEIGHT (lbs)	DESTINATION	HARDHAMMER CONC. (mg/l)
04/09/91	0742	yes	D008	4464311	Fort	17.0	46980	Peoria Disposal	28.4
04/09/91	0743	yes	D008	4464312	Fort	17.0	46760	Peoria Disposal	28.4
04/09/91	0744	yes	D008	4464313	Fort	17.0	45360	Peoria Disposal	28.4
04/09/91	0745	yes	D008	4464314	Fort	17.0	46900	Peoria Disposal	28.4
04/09/91	0746	yes	D008	4464315	Fort	17.0	47800	Peoria Disposal	28.4
04/09/91	0747	yes	D008	4464316	Fort	17.0	46120	Peoria Disposal	28.4
					TOTALS =	12687	34410122		

TABLE D-2
SUMMARY OF INDUSTRIAL WASTE SHIPMENTS

LOAD NO.	DATE	SHIPPER'S NO.	CARRIER'S NO.	SHIPPING COMPANY	DISPOSAL SITE	VOLUME SHIPPED (cu yds)
1	01/21/91	21953	635/659	A.E.Wolfe	Southeast	15.0
2	01/21/91	21955	574	DECO	Southeast	15.0
3	01/21/91	21954	567	DECO	Southeast	15.0
4	01/21/91	21950	635/659	A.E.Wolfe	Southeast	15.0
5	01/21/91	21952	567	DECO	Southeast	15.0
6	01/21/91	21951	574	DECO	Southeast	15.0
7	01/21/91	21949	635/659	A.E.Wolfe	Southeast	15.0
8	01/21/91	21947	567	DECO	Southeast	15.0
9	01/21/91	21944	574	DECO	Southeast	15.0
10	01/21/91	21946	635/659	A.E.Wolfe	Southeast	15.0
11	01/21/91	21945	567	DECO	Southeast	15.0
12	01/21/91	21948	574	DECO	Southeast	15.0
13	01/22/91	21941	635/659	A.E.Wolfe	Southeast	15.0
14	01/22/91	21943	567	DECO	Southeast	15.0
15	01/22/91	21940	635/659	A.E.Wolfe	Southeast	15.0
16	01/22/91	21936	635/659	A.E.Wolfe	Southeast	15.0
17	01/22/91	21939	635/659	A.E.Wolfe	Southeast	15.0
18	01/22/91	21938	653	A.E.Wolfe	Southeast	15.0
19	01/22/91	21937	653	A.E.Wolfe	Southeast	15.0
20	01/22/91	21942	574	DECO	Southeast	15.0
21	01/22/91	21935	635/659	A.E.Wolfe	Southeast	15.0
22	01/22/91	21934	653	A.E.Wolfe	Southeast	15.0
23	01/22/91	21933	574	DECO	Southeast	15.0
24	01/22/91	21932	653	A.E.Wolfe	Southeast	15.0
25	01/22/91	21931	635/659	A.E.Wolfe	Southeast	15.0
26	01/22/91	21930	574	DECO	Southeast	15.0
27	01/22/91	21929	635/659	A.E.Wolfe	Southeast	15.0
28	01/22/91	21928	653	A.E.Wolfe	Southeast	15.0
29	01/22/91	21927	574	DECO	Southeast	15.0
30	01/22/91	21925	635/659	A.E.Wolfe	Southeast	15.0
31	01/22/91	21926	653	A.E.Wolfe	Southeast	15.0
32	01/23/91	21879	635/659	A.E.Wolfe	Southeast	15.0
33	01/23/91	21878	653	A.E.Wolfe	Southeast	15.0
34	01/23/91	21877	653	A.E.Wolfe	Southeast	15.0
35	01/23/91	21876	635/659	A.E.Wolfe	Southeast	15.0
36	01/23/91	21874	3	A.E.Wolfe	Southeast	15.0
37	01/23/91	21875	635/659	A.E.Wolfe	Southeast	15.0
38	01/23/91	21873	653	A.E.Wolfe	Southeast	15.0
39	01/23/91	21872	3	A.E.Wolfe	Southeast	15.0
40	01/23/91	21870	635/659	A.E.Wolfe	Southeast	15.0
41	01/23/91	21871	653	A.E.Wolfe	Southeast	15.0
42	01/23/91	21869	653	A.E.Wolfe	Southeast	15.0
43	01/23/91	21868	635/659	A.E.Wolfe	Southeast	15.0
44	01/23/91	21867	635/659	A.E.Wolfe	Southeast	15.0
45	03/08/91	22192	653	A.E.Wolfe	Southeast	15.0

TABLE D-2 (CONTINUED)

LOAD NO.	DATE	SHIPPER'S NO.	CARRIER'S NO.	SHIPPING COMPANY	DISPOSAL SITE	VOLUME SHIPPED (cu yds)
46	03/08/91	22224	659	A.E.Wolfe	Southeast	15.0
47	03/08/91	22221	751	A.E.Wolfe	Southeast	15.0
48	03/08/91	22191	653	A.E.Wolfe	Southeast	15.0
49	03/08/91	22211	659	A.E.Wolfe	Southeast	15.0
50	03/08/91	22220	NA	A.E.Wolfe	Southeast	15.0
51	03/08/91	22190	653	A.E.Wolfe	Southeast	15.0
52	03/08/91	22210	659	A.E.Wolfe	Southeast	15.0
53	03/08/91	22223	751	A.E.Wolfe	Southeast	15.0
54	03/08/91	22189	653	A.E.Wolfe	Southeast	15.0
55	03/08/91	22209	659	A.E.Wolfe	Southeast	15.0
56	03/08/91	22218	751	A.E.Wolfe	Southeast	15.0
57	03/08/91	22188	653	A.E.Wolfe	Southeast	15.0
58	03/08/91	22208	659	A.E.Wolfe	Southeast	15.0
59	03/08/91	22219	751	A.E.Wolfe	Southeast	15.0
60	03/08/91	22187	653	A.E.Wolfe	Southeast	15.0
61	03/08/91	22207	659	A.E.Wolfe	Southeast	15.0
62	03/08/91	22216	751	A.E.Wolfe	Southeast	15.0
63	03/08/91	22186	657	A.E.Wolfe	Southeast	15.0
64	03/08/91	22206	NA	A.E.Wolfe	Southeast	15.0
65	03/08/91	22215	751	A.E.Wolfe	Southeast	15.0
66	03/08/91	22185	653	A.E.Wolfe	Southeast	15.0
67	03/08/91	22205	659	A.E.Wolfe	Southeast	15.0
68	03/08/91	22217	751	A.E.Wolfe	Southeast	15.0
69	03/08/91	22184	653	A.E.Wolfe	Southeast	15.0
70	03/08/91	22204	659	A.E.Wolfe	Southeast	15.0
71	03/09/91	22203	659	A.E.Wolfe	Southeast	15.0
72	03/09/91	22202	659	A.E.Wolfe	Southeast	15.0
73	03/09/91	22347	652	A.E.Wolfe	Southeast	15.0
74	03/09/91	22348	652	A.E.Wolfe	Southeast	15.0
75	03/09/91	22201	659	A.E.Wolfe	Southeast	15.0
76	03/09/91	22213	751	A.E.Wolfe	Southeast	15.0
77	03/09/91	22200	758	A.E.Wolfe	Southeast	15.0
78	03/09/91	22383	652	A.E.Wolfe	Southeast	15.0
79	03/09/91	22199	659	A.E.Wolfe	Southeast	15.0
80	03/09/91	22212	751	A.E.Wolfe	Southeast	15.0
81	03/09/91	22349	652	A.E.Wolfe	Southeast	15.0
82	03/09/91	22229	751	A.E.Wolfe	Southeast	15.0
83	03/09/91	22198	659	A.E.Wolfe	Southeast	15.0
84	03/09/91	22197	659	A.E.Wolfe	Southeast	15.0
85	03/09/91	22214	751	A.E.Wolfe	Southeast	15.0
86	03/09/91	22351	652	A.E.Wolfe	Southeast	15.0
87	03/09/91	22196	659	A.E.Wolfe	Southeast	15.0
88	03/09/91	22222	751	A.E.Wolfe	Southeast	15.0
89	03/09/91	22350	652	A.E.Wolfe	Southeast	15.0

TABLE D-2 (CONTINUED)

LOAD NO.	DATE	SHIPPER'S NO.	CARRIER'S NO.	SHIPPING COMPANY	DISPOSAL SITE	VOLUME SHIPPED (cu yds)
90	03/09/91	22195	659	A.E.Wolfe	Southeast	15.0
91	03/09/91	22352	652	A.E.Wolfe	Southeast	15.0
92	03/11/91	22345	751	A.E.Wolfe	Southeast	15.0
93	03/11/91	22381	652	A.E.Wolfe	Southeast	15.0
94	03/11/91	21973	653	A.E.Wolfe	Southeast	15.0
95	03/11/91	22346	751	A.E.Wolfe	Southeast	15.0
96	03/11/91	22382	652	A.E.Wolfe	Southeast	15.0
97	03/11/91	21972	653	A.E.Wolfe	Southeast	15.0
98	03/11/91	22344	752	A.E.Wolfe	Southeast	15.0
99	03/11/91	22353	652	A.E.Wolfe	Southeast	15.0
100	03/11/91	21971	653	A.E.Wolfe	Southeast	15.0
101	03/11/91	22225	751	A.E.Wolfe	Southeast	15.0
102	03/11/91	22354	652	A.E.Wolfe	Southeast	15.0
103	03/11/91	21970	653	A.E.Wolfe	Southeast	15.0
104	03/11/91	22355	652	A.E.Wolfe	Southeast	15.0
105	03/11/91	21969	653	A.E.Wolfe	Southeast	15.0
105A	04/04/91	22914	635/196	A.E.Wolfe	Southeast	15.0
106	04/04/91	23739	655/655	A.E.Wolfe	Southeast	15.0
107	04/04/91	22980	652	A.E.Wolfe	Southeast	15.0
108	04/04/91	23738	655	A.E.Wolfe	Southeast	15.0
109	04/04/91	22913	635/196	A.E.Wolfe	Southeast	15.0
110	04/04/91	22314	653	A.E.Wolfe	Southeast	15.0
111	04/04/91	22979	NA	A.E.Wolfe	Southeast	15.0
112	04/04/91	23646	758/636	A.E.Wolfe	Southeast	15.0
113	04/04/91	22337	653	A.E.Wolfe	Southeast	15.0
114	04/04/91	22912	635/196	A.E.Wolfe	Southeast	15.0
115	04/04/91	22887	655	A.E.Wolfe	Southeast	15.0
116	04/04/91	23645	758/659	A.E.Wolfe	Southeast	15.0
117	04/04/91	22336	653	A.E.Wolfe	Southeast	15.0
118	04/04/91	23737	655	A.E.Wolfe	Southeast	15.0
119	04/04/91	22888	635/196	A.E.Wolfe	Southeast	15.0
120	04/04/91	23644	758/659	A.E.Wolfe	Southeast	15.0
121	04/04/91	22335	653	A.E.Wolfe	Southeast	15.0
122	04/04/91	23736	655	A.E.Wolfe	Southeast	15.0
123	04/04/91	23642	758/659	A.E.Wolfe	Southeast	15.0
124	04/04/91	22976	652	A.E.Wolfe	Southeast	15.0
125	04/04/91	22334	653	A.E.Wolfe	Southeast	15.0
126	04/04/91	23735	655	A.E.Wolfe	Southeast	15.0
127	04/04/91	23641	NA	A.E.Wolfe	Southeast	15.0
128	04/04/91	22911	635/196	A.E.Wolfe	Southeast	15.0
129	04/04/91	23734	655	A.E.Wolfe	Southeast	15.0
130	04/05/91	22905	635/196	A.E.Wolfe	Southeast	15.0
131	04/05/91	22975	652	A.E.Wolfe	Southeast	15.0
132	04/05/91	23592	653	A.E.Wolfe	Southeast	15.0
133	04/05/91	23733	655	A.E.Wolfe	Southeast	15.0

TABLE D-2 (CONTINUED)

LOAD NO.	DATE	SHIPPER'S NO.	CARRIER'S NO.	SHIPPING COMPANY	DISPOSAL SITE	VOLUME SHIPPED (cu yds)
134	04/05/91	23732	107	A.E.Wolfe	Southeast	15.0
135	04/05/91	22904	635/196	A.E.Wolfe	Southeast	15.0
136	04/05/91	22977	652	A.E.Wolfe	Southeast	15.0
137	04/05/91	23593	653	A.E.Wolfe	Southeast	15.0
138	04/05/91	23605	758/659	A.E.Wolfe	Southeast	15.0
139	04/05/91	23731	655	A.E.Wolfe	Southeast	15.0
140	04/05/91	22978	652	A.E.Wolfe	Southeast	15.0
141	04/05/91	23591	653	A.E.Wolfe	Southeast	15.0
142	04/05/91	22903	653/196	A.E.Wolfe	Southeast	15.0
143	04/05/91	23606	758/659	A.E.Wolfe	Southeast	15.0
144	04/05/91	23730	655	A.E.Wolfe	Southeast	15.0
145	04/05/91	23590	653	A.E.Wolfe	Southeast	15.0
146	04/05/91	22974	652	A.E.Wolfe	Southeast	15.0
147	04/05/91	22902	653/196	A.E.Wolfe	Southeast	15.0
148	04/05/91	23607	758/659	A.E.Wolfe	Southeast	15.0
149	04/05/91	23729	107	A.E.Wolfe	Southeast	15.0
150	04/05/91	23589	653	A.E.Wolfe	Southeast	15.0
151	04/05/91	23608	758/659	A.E.Wolfe	Southeast	15.0
152	04/05/91	22901	653/196	A.E.Wolfe	Southeast	15.0
153	04/05/91	23726	655	A.E.Wolfe	Southeast	15.0
154	04/05/91	23581	652	A.E.Wolfe	Southeast	15.0
155	04/05/91	23588	653	A.E.Wolfe	Southeast	15.0
156	04/05/91	22900	635/196	A.E.Wolfe	Southeast	15.0
157	04/05/91	23728	655	A.E.Wolfe	Southeast	15.0
158	04/05/91	23609	107	A.E.Wolfe	Southeast	15.0
159	04/05/91	23582	107	A.E.Wolfe	Southeast	15.0
160	04/05/91	23610	107	A.E.Wolfe	Southeast	15.0
161	04/05/91	22899	635/196	A.E.Wolfe	Southeast	15.0
162	04/05/91	23727	107	A.E.Wolfe	Southeast	15.0
163	04/06/91	23476	758/659	A.E.Wolfe	Southeast	15.0
164	04/06/91	23475	107	A.E.Wolfe	Southeast	15.0
165	04/06/91	23474	104	A.E.Wolfe	Southeast	15.0
166	04/06/91	23473	101	A.E.Wolfe	Southeast	15.0
167	04/06/91	23472	104	A.E.Wolfe	Southeast	15.0
168	04/06/91	23471	104	A.E.Wolfe	Southeast	15.0
169	04/06/91	23470	107	A.E.Wolfe	Southeast	15.0
170	04/06/91	23469	101	A.E.Wolfe	Southeast	15.0
171	04/06/91	23468	107	A.E.Wolfe	Southeast	15.0
172	04/06/91	23467	104	A.E.Wolfe	Southeast	15.0
172A	04/06/91	23466	758/659	A.E.Wolfe	Southeast	15.0
173	04/06/91	23456	101	A.E.Wolfe	Southeast	15.0
174	04/06/91	23464	107	A.E.Wolfe	Southeast	15.0
175	04/06/91	23463	104	A.E.Wolfe	Southeast	15.0
176	04/06/91	23462	758/659	A.E.Wolfe	Southeast	15.0
177	04/06/91	23461	101	A.E.Wolfe	Southeast	15.0

TABLE D-2 (CONTINUED)

LOAD NO.	DATE	SHIPPER'S NO.	CARRIER'S NO.	SHIPPING COMPANY	DISPOSAL SITE	VOLUME SHIPPED (cu yds)
178	04/06/91	23460	107	A.E.Wolfe	Southeast	15.0
179	04/10/91	24499	107	A.E.Wolfe	Southeast	15.0
180	04/10/91	24498	103	A.E.Wolfe	Southeast	15.0
181	04/10/91	23546	635/196	A.E.Wolfe	Southeast	15.0
182	04/10/91	24500	652	A.E.Wolfe	Southeast	15.0
183	04/10/91	23634	659	A.E.Wolfe	Southeast	15.0
184	04/10/91	24456	101	A.E.Wolfe	Southeast	15.0
185	04/10/91	24457	107	A.E.Wolfe	Southeast	15.0
186	04/10/91	24458	103	A.E.Wolfe	Southeast	15.0
187	04/10/91	24459	635/196	A.E.Wolfe	Southeast	15.0
188	04/10/91	24460	758/659	A.E.Wolfe	Southeast	15.0
189	04/10/91	24461	652	A.E.Wolfe	Southeast	15.0
190	04/10/91	24462	107	A.E.Wolfe	Southeast	15.0
191	04/10/91	24463	103	A.E.Wolfe	Southeast	15.0
192	04/10/91	24464	635/196	A.E.Wolfe	Southeast	15.0
193	04/10/91	24465	758/659	A.E.Wolfe	Southeast	15.0
194	04/10/91	24466	652	A.E.Wolfe	Southeast	15.0
195	04/10/91	24467	107	A.E.Wolfe	Southeast	15.0
196	04/10/91	24468	103	A.E.Wolfe	Southeast	15.0
197	04/10/91	24469	NA	A.E.Wolfe	Southeast	15.0
198	04/10/91	24470	758/659	A.E.Wolfe	Southeast	15.0
199	04/10/91	24471	652	A.E.Wolfe	Southeast	15.0
200	04/10/91	24472	107	A.E.Wolfe	Southeast	15.0
201	04/10/91	24473	103	A.E.Wolfe	Southeast	15.0
202	04/10/91	24474	653/196	A.E.Wolfe	Southeast	15.0
203	04/10/91	24475	758/659	A.E.Wolfe	Southeast	15.0
204	04/10/91	24476	652	A.E.Wolfe	Southeast	15.0
205	04/10/91	24477	107	A.E.Wolfe	Southeast	15.0
206	04/10/91	24478	103	A.E.Wolfe	Southeast	15.0
207	04/10/91	24479	653	A.E.Wolfe	Southeast	15.0
208	04/10/91	24480	653/196	A.E.Wolfe	Southeast	15.0
209	04/10/91	24481	758/659	A.E.Wolfe	Southeast	15.0
210	04/10/91	24482	652	A.E.Wolfe	Southeast	15.0
211	04/10/91	24483	103	A.E.Wolfe	Southeast	15.0
212	04/10/91	24484	653	A.E.Wolfe	Southeast	15.0
213	04/10/91	24485	758/659	A.E.Wolfe	Southeast	15.0
214	04/10/91	24486	652	A.E.Wolfe	Southeast	15.0
215	04/10/91	24487	653/196	A.E.Wolfe	Southeast	15.0
216	04/10/91	24488	103	A.E.Wolfe	Southeast	15.0
217	04/10/91	24489	107	A.E.Wolfe	Southeast	15.0
218	04/11/91	24490	103	A.E.Wolfe	Southeast	15.0
219	04/11/91	24491	107	A.E.Wolfe	Southeast	15.0
220	04/11/91	24492	635/196	A.E.Wolfe	Southeast	15.0
221	04/11/91	24493	652	A.E.Wolfe	Southeast	15.0
222	04/11/91	24494	117	A.E.Wolfe	Southeast	15.0

TABLE D-2 (CONTINUED)

LOAD NO.	DATE	SHIPPER'S NO.	CARRIER'S NO.	SHIPPING COMPANY	DISPOSAL SITE	VOLUME SHIPPED (cu yds)
223	04/11/91	24495	758/659	A.E.Wolfe	Southeast	15.0
224	04/11/91	24496	103	A.E.Wolfe	Southeast	15.0
225	04/11/91	24497	107	A.E.Wolfe	Southeast	15.0
226	04/11/91	24403	117	A.E.Wolfe	Southeast	15.0
227	04/11/91	24404	652	A.E.Wolfe	Southeast	15.0
228	04/11/91	24405	758/659	A.E.Wolfe	Southeast	15.0
229	04/11/91	24406	635/770	A.E.Wolfe	Southeast	15.0
230	04/11/91	24407	103	A.E.Wolfe	Southeast	15.0
231	04/11/91	24408	107	A.E.Wolfe	Southeast	15.0
232	04/11/91	24409	117	A.E.Wolfe	Southeast	15.0
233	04/11/91	24410	758/659	A.E.Wolfe	Southeast	15.0
234	04/11/91	24411	652	A.E.Wolfe	Southeast	15.0
235	04/11/91	24412	103	A.E.Wolfe	Southeast	15.0
236	04/11/91	24413	635/770	A.E.Wolfe	Southeast	15.0
237	04/11/91	24414	107	A.E.Wolfe	Southeast	15.0
238	04/11/91	24415	117	A.E.Wolfe	Southeast	15.0
239	04/11/91	24416	652	A.E.Wolfe	Southeast	15.0
240	04/11/91	24417	103	A.E.Wolfe	Southeast	15.0
241	04/11/91	24418	758/659	A.E.Wolfe	Southeast	15.0
242	04/11/91	24419	107	A.E.Wolfe	Southeast	15.0
243	04/11/91	24420	117	A.E.Wolfe	Southeast	15.0
244	04/11/91	24421	103	A.E.Wolfe	Southeast	15.0
245	04/11/91	24422	652	A.E.Wolfe	Southeast	15.0
246	04/11/91	24423	635/770	A.E.Wolfe	Southeast	15.0
247	04/11/91	24424	107	A.E.Wolfe	Southeast	15.0
248	04/11/91	24425	117	A.E.Wolfe	Southeast	15.0
249	04/11/91	24426	103	A.E.Wolfe	Southeast	15.0
250	04/11/91	24427	652	A.E.Wolfe	Southeast	15.0
251	04/11/91	24428	758/659	A.E.Wolfe	Southeast	15.0
252	04/11/91	24429	635/770	A.E.Wolfe	Southeast	15.0
253	04/11/91	24430	107	A.E.Wolfe	Southeast	15.0
254	04/11/91	24431	117	A.E.Wolfe	Southeast	15.0
255	04/11/91	24432	103	A.E.Wolfe	Southeast	15.0
256	04/11/91	24433	652	A.E.Wolfe	Southeast	15.0
257	04/11/91	24434	635/770	A.E.Wolfe	Southeast	15.0
258	04/11/91	24435	758/659	A.E.Wolfe	Southeast	15.0
259	04/11/91	24436	107	A.E.Wolfe	Southeast	15.0
260	04/11/91	24437	117	A.E.Wolfe	Southeast	15.0
261	04/11/91	24438	103	A.E.Wolfe	Southeast	15.0
262	04/11/91	24439	652	A.E.Wolfe	Southeast	15.0
263	04/11/91	24440	759/659	A.E.Wolfe	Southeast	15.0
264	04/11/91	24441	635/770	A.E.Wolfe	Southeast	15.0
265	04/14/91	23334	103	A.E.Wolfe	Southeast	15.0
266	04/14/91	23335	635/770	A.E.Wolfe	Southeast	15.0
267	04/15/91	23303	100	A.E.Wolfe	Southeast	15.0

TABLE D-2 (CONTINUED)

LOAD NO.	DATE	SHIPPER'S NO.	CARRIER'S NO.	SHIPPING COMPANY	DISPOSAL SITE	VOLUME SHIPPED (cu yds)
268	04/15/91	23613	653	A.E.Wolfe	Southeast	15.0
269	04/15/91	24402	635/770	A.E.Wolfe	Southeast	15.0
270	04/15/91	23615	652	A.E.Wolfe	Southeast	15.0
271	04/15/91	24401	107	A.E.Wolfe	Southeast	15.0
272	04/15/91	23614	107	A.E.Wolfe	Southeast	15.0
273	04/15/91	24400	100	A.E.Wolfe	Southeast	15.0
274	04/15/91	24398	103	A.E.Wolfe	Southeast	15.0
275	04/15/91	24399	103	A.E.Wolfe	Southeast	15.0
276	04/15/91	24397	653	A.E.Wolfe	Southeast	15.0
277	04/15/91	24396	635/770	A.E.Wolfe	Southeast	15.0
278	04/15/91	24395	652	A.E.Wolfe	Southeast	15.0
279	04/15/91	24394	107	A.E.Wolfe	Southeast	15.0
280	04/15/91	24393	103	A.E.Wolfe	Southeast	15.0
281	04/15/91	24392	100	A.E.Wolfe	Southeast	15.0
282	04/15/91	24391	653	A.E.Wolfe	Southeast	15.0
283	04/15/91	24390	635/770	A.E.Wolfe	Southeast	15.0
284	04/15/91	24389	107	A.E.Wolfe	Southeast	15.0
285	04/15/91	24388	103	A.E.Wolfe	Southeast	15.0
286	04/15/91	24387	652	A.E.Wolfe	Southeast	15.0
287	04/15/91	24386	100	A.E.Wolfe	Southeast	15.0
288	04/15/91	24385	653	A.E.Wolfe	Southeast	15.0
289	04/15/91	24384	635/770	A.E.Wolfe	Southeast	15.0
290	04/15/91	24383	107	A.E.Wolfe	Southeast	15.0
291	04/15/91	24382	103	A.E.Wolfe	Southeast	15.0
292	04/15/91	24381	652	A.E.Wolfe	Southeast	15.0
293	04/15/91	24380	653	A.E.Wolfe	Southeast	15.0
294	04/15/91	24379	635/770	A.E.Wolfe	Southeast	15.0
295	04/15/91	24378	107	A.E.Wolfe	Southeast	15.0
296	04/15/91	24377	103	A.E.Wolfe	Southeast	15.0
297	04/15/91	24376	652	A.E.Wolfe	Southeast	15.0
298	04/15/91	24375	653	A.E.Wolfe	Southeast	15.0
299	04/15/91	24374	107	A.E.Wolfe	Southeast	15.0
300	04/15/91	24373	103	A.E.Wolfe	Southeast	15.0
301	04/15/91	24372	652	A.E.Wolfe	Southeast	15.0
302	04/15/91	24371	653	A.E.Wolfe	Southeast	15.0
303	04/15/91	24370	107	A.E.Wolfe	Southeast	15.0
304	04/15/91	24369	103	A.E.Wolfe	Southeast	15.0
305	04/15/91	24368	635/770	A.E.Wolfe	Southeast	15.0
306	04/15/91	24367	652	A.E.Wolfe	Southeast	15.0
307	04/15/91	24366	107	A.E.Wolfe	Southeast	15.0
308	04/15/91	24365	653	A.E.Wolfe	Southeast	15.0
309	04/15/91	24364	103	A.E.Wolfe	Southeast	15.0
310	04/15/91	24363	652	A.E.Wolfe	Southeast	15.0
311	04/15/91	24362	635/770	A.E.Wolfe	Southeast	15.0
312	04/15/91	24361	107	A.E.Wolfe	Southeast	15.0

TABLE D-2 (CONTINUED)

LOAD NO.	DATE	SHIPPER'S NO.	CARRIER'S NO.	SHIPPING COMPANY	DISPOSAL SITE	VOLUME SHIPPED (cu yds)
313	04/15/91	24360	653	A.E.Wolfe	Southeast	15.0
314	04/15/91	24359	103	A.E.Wolfe	Southeast	15.0
315	04/15/91	24358	652	A.E.Wolfe	Southeast	15.0
316	04/15/91	24357	107	A.E.Wolfe	Southeast	15.0
317	04/15/91	24356	635/770	A.E.Wolfe	Southeast	15.0
310A	04/15/91	23329	101	A.E.Wolfe	Southeast	15.0
311A	04/15/91	23330	103	A.E.Wolfe	Southeast	15.0
312A	04/15/91	23331	100	A.E.Wolfe	Southeast	15.0
313A	04/15/91	23332	107	A.E.Wolfe	Southeast	15.0
316A	04/15/91	23336	652	A.E.Wolfe	Southeast	15.0
317A	04/16/91	23337	652	A.E.Wolfe	Southeast	15.0
318	04/16/91	23338	653	A.E.Wolfe	Southeast	15.0
319	04/16/91	23339	107	A.E.Wolfe	Southeast	15.0
321	04/16/91	23340	103	A.E.Wolfe	Southeast	15.0
322	04/16/91	23341	758/659	A.E.Wolfe	Southeast	15.0
323	04/16/91	23342	653	A.E.Wolfe	Southeast	15.0
324	04/16/91	23344	652	A.E.Wolfe	Southeast	15.0
325	04/16/91	23345	107	A.E.Wolfe	Southeast	15.0
326	04/16/91	23346	758/658	A.E.Wolfe	Southeast	15.0
327	04/16/91	23347	635/770	A.E.Wolfe	Southeast	15.0
328	04/16/91	23348	NA	A.E.Wolfe	Southeast	15.0
329	04/16/91	23350	103	A.E.Wolfe	Southeast	15.0
330	04/16/91	23351	758/659	A.E.Wolfe	Southeast	15.0
331	04/16/91	23352	635/770	A.E.Wolfe	Southeast	15.0
332	04/16/91	23354	103	A.E.Wolfe	Southeast	15.0
333	04/16/91	23356	758/659	A.E.Wolfe	Southeast	15.0
334	04/16/91	23358	103	A.E.Wolfe	Southeast	15.0
335	04/16/91	23359	NA	A.E.Wolfe	Southeast	15.0
336	04/16/91	23361	758/659	A.E.Wolfe	Southeast	15.0
337	04/16/91	23362	635/770	A.E.Wolfe	Southeast	15.0
338	04/17/90	23363	635/770	A.E.Wolfe	Southeast	15.0
339	04/17/90	23364	653	A.E.Wolfe	Southeast	15.0
340	04/17/90	23365	107	A.E.Wolfe	Southeast	15.0
341	04/17/90	23366	653	A.E.Wolfe	Southeast	15.0
342	04/17/90	23367	107	A.E.Wolfe	Southeast	15.0
343	04/17/90	23368	635/770	A.E.Wolfe	Southeast	15.0
344	04/17/90	23369	653	A.E.Wolfe	Southeast	15.0
345	04/17/90	23370	107	A.E.Wolfe	Southeast	15.0
346	04/17/90	23371	11	A.E.Wolfe	Southeast	15.0
347	04/17/90	23372	653/770	A.E.Wolfe	Southeast	15.0
348	04/17/90	23373	107	A.E.Wolfe	Southeast	15.0
349	04/17/90	23374	653	A.E.Wolfe	Southeast	15.0
350	04/22/91	24201	655	A.E.Wolfe	Southeast	15.0
351	04/22/91	24202	758/659	A.E.Wolfe	Southeast	15.0
352	04/22/91	24203	652	A.E.Wolfe	Southeast	15.0

TABLE D-2 (CONTINUED)

LOAD NO.	DATE	SHIPPER'S NO.	CARRIER'S NO.	SHIPPING COMPANY	DISPOSAL SITE	VOLUME SHIPPED (cu yds)
353	04/22/91	24204	635/770	A.E.Wolfe	Southeast	15.0
354	04/22/91	24205	NA	A.E.Wolfe	Southeast	15.0
355	04/22/91	24206	758/659	A.E.Wolfe	Southeast	15.0
356	04/22/91	24207	652	A.E.Wolfe	Southeast	15.0
357	04/22/91	24208	635	A.E.Wolfe	Southeast	15.0
358	04/22/91	24209	NA	A.E.Wolfe	Southeast	15.0
359	04/22/91	24210	758/659	A.E.Wolfe	Southeast	15.0
360	04/22/91	24211	635/770	A.E.Wolfe	Southeast	15.0
361	04/22/91	24212	NA	A.E.Wolfe	Southeast	15.0
362	04/22/91	24213	652	A.E.Wolfe	Southeast	15.0
363	04/22/91	24214	758/659	A.E.Wolfe	Southeast	15.0
364	04/22/91	24215	635/770	A.E.Wolfe	Southeast	15.0
365	04/22/91	24216	NA	A.E.Wolfe	Southeast	15.0
366	04/22/91	24217	652	A.E.Wolfe	Southeast	15.0
367	04/22/91	24218	758/659	A.E.Wolfe	Southeast	15.0
368	04/22/91	24219	NA	A.E.Wolfe	Southeast	15.0
369	04/22/91	24220	635/770	A.E.Wolfe	Southeast	15.0
370	04/22/91	24221	652	A.E.Wolfe	Southeast	15.0
371	04/22/91	24222	758/659	A.E.Wolfe	Southeast	15.0
372	04/22/91	24223	NA	A.E.Wolfe	Southeast	15.0
373	04/22/91	24224	635/770	A.E.Wolfe	Southeast	15.0
374	04/22/91	24225	652	A.E.Wolfe	Southeast	15.0
375	04/22/91	24226	758/659	A.E.Wolfe	Southeast	15.0
376	04/22/91	24227	NA	A.E.Wolfe	Southeast	15.0
377	04/23/91	24228	652	A.E.Wolfe	Southeast	15.0
378	04/23/91	24229	758/659	A.E.Wolfe	Southeast	15.0
379	04/23/91	24230	653	A.E.Wolfe	Southeast	15.0
380	04/23/91	24231	635/770	A.E.Wolfe	Southeast	15.0
381	04/23/91	24232	655	A.E.Wolfe	Southeast	15.0
382	04/23/91	24233	652	A.E.Wolfe	Southeast	15.0
383	04/23/91	24234	758/659	A.E.Wolfe	Southeast	15.0
384	04/23/91	24235	NA	A.E.Wolfe	Southeast	15.0
385	04/23/91	24236	653	A.E.Wolfe	Southeast	15.0
386	04/23/91	24237	652	A.E.Wolfe	Southeast	15.0
387	04/23/91	24238	635/770	A.E.Wolfe	Southeast	15.0
388	04/23/91	24239	758/659	A.E.Wolfe	Southeast	15.0
389	04/23/91	24240	NA	A.E.Wolfe	Southeast	15.0
390	04/23/91	24241	100	A.E.Wolfe	Southeast	15.0
391	04/23/91	24242	653	A.E.Wolfe	Southeast	15.0
392	04/23/91	24243	652	A.E.Wolfe	Southeast	15.0
393	04/23/91	24244	635/770	A.E.Wolfe	Southeast	15.0
394	04/23/91	24245	NA	A.E.Wolfe	Southeast	15.0
395	04/23/91	24246	100	A.E.Wolfe	Southeast	15.0
396	04/23/91	24247	653	A.E.Wolfe	Southeast	15.0
397	04/23/91	24248	652	A.E.Wolfe	Southeast	15.0

TABLE D-2 (CONTINUED)

LOAD NO.	DATE	SHIPPER'S NO.	CARRIER'S NO.	SHIPPING COMPANY	DISPOSAL SITE	VOLUME SHIPPED (cu yds)
398	04/23/91	24249	635/770	A.E.Wolfe	Southeast	15.0
399	04/23/91	24250	NA	A.E.Wolfe	Southeast	15.0
400	04/23/91	24251	653	A.E.Wolfe	Southeast	15.0
401	04/23/91	24252	100	A.E.Wolfe	Southeast	15.0
402	04/23/91	24253	652	A.E.Wolfe	Southeast	15.0
403	04/23/91	24254	653/770	A.E.Wolfe	Southeast	15.0
404	04/23/91	24255	NA	A.E.Wolfe	Southeast	15.0
405	04/23/91	24256	653	A.E.Wolfe	Southeast	15.0
406	04/23/91	24257	652	A.E.Wolfe	Southeast	15.0
407	04/23/91	24258	100	A.E.Wolfe	Southeast	15.0
408	04/23/91	24259	NA	A.E.Wolfe	Southeast	15.0
409	04/23/91	24260	653	A.E.Wolfe	Southeast	15.0
410	04/23/91	24261	100	A.E.Wolfe	Southeast	15.0
411	04/23/91	24262	652	A.E.Wolfe	Southeast	15.0
412	04/23/91	24263	NA	A.E.Wolfe	Southeast	15.0
413	04/24/91	24264	100	A.E.Wolfe	Southeast	15.0
414	04/24/91	24265	635/770	A.E.Wolfe	Southeast	15.0
415	04/24/91	24266	653	A.E.Wolfe	Southeast	15.0
416	04/24/91	24267	652	A.E.Wolfe	Southeast	15.0
417	04/24/91	24268	100	A.E.Wolfe	Southeast	15.0
418	04/24/91	24269	635/770	A.E.Wolfe	Southeast	15.0
419	04/24/91	24270	653	A.E.Wolfe	Southeast	15.0
420	04/24/91	24271	652	A.E.Wolfe	Southeast	15.0
421	04/24/91	24272	NA	A.E.Wolfe	Southeast	15.0
422	04/24/91	24273	653/770	A.E.Wolfe	Southeast	15.0
423	04/24/91	24274	653	A.E.Wolfe	Southeast	15.0
424	04/24/91	24275	652	A.E.Wolfe	Southeast	15.0
425	04/24/91	24276	100	A.E.Wolfe	Southeast	15.0
426	04/24/91	24277	635/770	A.E.Wolfe	Southeast	15.0
427	04/24/91	24278	653	A.E.Wolfe	Southeast	15.0
428	04/24/91	24279	652	A.E.Wolfe	Southeast	15.0
429	04/24/91	24280	100	A.E.Wolfe	Southeast	15.0
430	04/24/91	24281	653	A.E.Wolfe	Southeast	15.0
431	04/24/91	24282	758	A.E.Wolfe	Southeast	15.0
432	04/24/91	24283	652	A.E.Wolfe	Southeast	15.0
433	04/24/91	24284	635/770	A.E.Wolfe	Southeast	15.0
434	04/24/91	24285	653	A.E.Wolfe	Southeast	15.0
435	04/24/91	24286	652	A.E.Wolfe	Southeast	15.0
436	04/24/91	24287	758	A.E.Wolfe	Southeast	15.0
437	04/24/91	24288	100	A.E.Wolfe	Southeast	15.0
438	04/24/91	24289	635/770	A.E.Wolfe	Southeast	15.0
439	04/24/91	24290	653	A.E.Wolfe	Southeast	15.0
440	04/29/91	24291	655	A.E.Wolfe	Southeast	15.0
441	04/29/91	24292	652	A.E.Wolfe	Southeast	15.0
442	04/29/91	24293	655	A.E.Wolfe	Southeast	15.0

TABLE D-2 (CONTINUED)

LOAD NO.	DATE	SHIPPER'S NO.	CARRIER'S NO.	SHIPPING COMPANY	DISPOSAL SITE	VOLUME SHIPPED (cu yds)
443	04/29/91	24294	652	A.E.Wolfe	Southeast	15.0
444	04/29/91	24295	635/659	A.E.Wolfe	Southeast	15.0
445	04/29/91	24296	652	A.E.Wolfe	Southeast	15.0
446	04/29/91	24297	635/659	A.E.Wolfe	Southeast	15.0
447	04/29/91	24298	NA	A.E.Wolfe	Southeast	15.0
448	04/29/91	24299	652	A.E.Wolfe	Southeast	15.0
449	04/29/91	24300	635/659	A.E.Wolfe	Southeast	15.0
450	04/29/91	24301	100	A.E.Wolfe	Southeast	15.0
451	04/29/91	24302	652	A.E.Wolfe	Southeast	15.0
452	04/29/91	24303	635/659	A.E.Wolfe	Southeast	15.0
453	04/29/91	24304	101	A.E.Wolfe	Southeast	15.0
454	04/29/91	24305	100	A.E.Wolfe	Southeast	15.0
455	04/29/91	24306	652	A.E.Wolfe	Southeast	15.0
456	04/29/91	24307	635/659	A.E.Wolfe	Southeast	15.0
457	04/29/91	24308	100	A.E.Wolfe	Southeast	15.0
458	04/29/91	24309	652	A.E.Wolfe	Southeast	15.0
459	04/29/91	24310	635/659	A.E.Wolfe	Southeast	15.0
460	04/29/91	24311	100	A.E.Wolfe	Southeast	15.0
461	04/30/91	24312	101	A.E.Wolfe	Southeast	15.0
462	04/30/91	24313	100	A.E.Wolfe	Southeast	15.0
463	04/30/91	24314	652	A.E.Wolfe	Southeast	15.0
464	04/30/91	24315	653	A.E.Wolfe	Southeast	15.0
465	04/30/91	23096	655	A.E.Wolfe	Southeast	15.0
466	04/30/91	23097	101	A.E.Wolfe	Southeast	15.0
467	04/30/91	23098	100	A.E.Wolfe	Southeast	15.0
468	04/30/91	23099	652	A.E.Wolfe	Southeast	15.0
469	04/30/91	23093	653	A.E.Wolfe	Southeast	15.0
470	04/30/91	23092	655	A.E.Wolfe	Southeast	15.0
471	04/30/91	23091	635/659	A.E.Wolfe	Southeast	15.0
472	04/30/91	23090	NA	A.E.Wolfe	Southeast	15.0
473	04/30/91	23089	100	A.E.Wolfe	Southeast	15.0
474	04/30/91	23088	652	A.E.Wolfe	Southeast	15.0
475	04/30/91	23101	653	A.E.Wolfe	Southeast	15.0
476	04/30/91	23100	655	A.E.Wolfe	Southeast	15.0
477	04/30/91	23094	101	A.E.Wolfe	Southeast	15.0
478	04/30/91	23095	100	A.E.Wolfe	Southeast	15.0
479	04/30/91	23102	652	A.E.Wolfe	Southeast	15.0
480	04/30/91	23103	655	A.E.Wolfe	Southeast	15.0
481	04/30/91	23105	635	A.E.Wolfe	Southeast	15.0
482	04/30/91	23104	653	A.E.Wolfe	Southeast	15.0
483	04/30/91	23106	101	A.E.Wolfe	Southeast	15.0
484	04/30/91	23107	652	A.E.Wolfe	Southeast	15.0
485	04/30/91	23108	655	A.E.Wolfe	Southeast	15.0
486	04/30/91	23109	635	A.E.Wolfe	Southeast	15.0
487	04/30/91	23110	653	A.E.Wolfe	Southeast	15.0

TABLE D-2 (CONTINUED)

LOAD NO.	DATE	SHIPPER'S NO.	CARRIER'S NO.	SHIPPING COMPANY	DISPOSAL SITE	VOLUME SHIPPED (cu yds)
488	04/30/91	24199	101	A.E.Wolfe	Southeast	15.0
489	04/30/91	24198	655	A.E.Wolfe	Southeast	15.0
490	04/30/91	24197	100	A.E.Wolfe	Southeast	15.0
491A	04/30/91	24196	635	A.E.Wolfe	Southeast	15.0
491	04/30/91	24195	653	A.E.Wolfe	Southeast	15.0
492	04/30/91	24194	101	A.E.Wolfe	Southeast	15.0
493	04/30/91	24193	655	A.E.Wolfe	Southeast	15.0
494	04/30/91	24192	652	A.E.Wolfe	Southeast	15.0
495	04/30/91	24191	635	A.E.Wolfe	Southeast	15.0
496	04/30/91	24190	100	A.E.Wolfe	Southeast	15.0
497	04/30/91	24189	653	A.E.Wolfe	Southeast	15.0
498	04/30/91	24188	101	A.E.Wolfe	Southeast	15.0
499	04/30/91	24187	655	A.E.Wolfe	Southeast	15.0
500	04/30/91	24186	652	A.E.Wolfe	Southeast	15.0
501	04/30/91	24185	100	A.E.Wolfe	Southeast	15.0
502	04/30/91	24184	655	A.E.Wolfe	Southeast	15.0
503	04/30/91	24183	101	A.E.Wolfe	Southeast	15.0
504	04/30/91	24182	100	A.E.Wolfe	Southeast	15.0
505	05/01/91	24181	100	A.E.Wolfe	Southeast	15.0
506	05/01/91	24180	655	A.E.Wolfe	Southeast	15.0
507	05/01/91	24179	652	A.E.Wolfe	Southeast	15.0
508	05/01/91	24178	635	A.E.Wolfe	Southeast	15.0
509	05/01/91	24177	655	A.E.Wolfe	Southeast	15.0
510	05/01/91	24200	107	A.E.Wolfe	Southeast	15.0
511	05/01/91	24176	511	A.E.Wolfe	Southeast	15.0
512	05/01/91	24175	652	A.E.Wolfe	Southeast	15.0
513	05/01/91	24174	635/659	A.E.Wolfe	Southeast	15.0
514	05/01/91	24173	653	A.E.Wolfe	Southeast	15.0
515	05/01/91	24172	655	A.E.Wolfe	Southeast	15.0
516	05/01/91	24171	107	A.E.Wolfe	Southeast	15.0
517	05/01/91	24170	652	A.E.Wolfe	Southeast	15.0
518	05/01/91	24169	653	A.E.Wolfe	Southeast	15.0
519	05/01/91	24168	635/659	A.E.Wolfe	Southeast	15.0
520	05/01/91	24167	107	A.E.Wolfe	Southeast	15.0
521	05/01/91	24166	655	A.E.Wolfe	Southeast	15.0
522	05/01/91	24165	100	A.E.Wolfe	Southeast	15.0
523	05/01/91	24164	652	A.E.Wolfe	Southeast	15.0
524	05/01/91	24163	653	A.E.Wolfe	Southeast	15.0
525	05/01/91	24162	107	A.E.Wolfe	Southeast	15.0
526	05/01/91	24161	635/659	A.E.Wolfe	Southeast	15.0
527	05/01/91	24160	655	A.E.Wolfe	Southeast	15.0
528	05/01/91	24159	100	A.E.Wolfe	Southeast	15.0
529	05/01/91	24158	653	A.E.Wolfe	Southeast	15.0
530	05/01/91	24157	652	A.E.Wolfe	Southeast	15.0
531	05/01/91	24156	107	A.E.Wolfe	Southeast	15.0

TABLE D-2 (CONTINUED)

LOAD NO.	DATE	SHIPPER'S NO.	CARRIER'S NO.	SHIPPING COMPANY	DISPOSAL SITE	VOLUME SHIPPED (cu yds)
532	05/01/91	24155	635/659	A.E.Wolfe	Southeast	15.0
533	05/01/91	24154	100	A.E.Wolfe	Southeast	15.0
534	05/01/91	24153	652	A.E.Wolfe	Southeast	15.0
535	05/01/91	24152	653	A.E.Wolfe	Southeast	15.0
536	05/01/91	24151	107	A.E.Wolfe	Southeast	15.0
537	05/01/91	24150	635/659	A.E.Wolfe	Southeast	15.0
538	05/01/91	24149	100	A.E.Wolfe	Southeast	15.0
539	05/01/91	24148	652	A.E.Wolfe	Southeast	15.0
540	05/01/91	24147	653	A.E.Wolfe	Southeast	15.0
541	05/01/91	24146	635/659	A.E.Wolfe	Southeast	15.0
542	05/01/91	24145	100	A.E.Wolfe	Southeast	15.0
543	05/01/91	24144	652	A.E.Wolfe	Southeast	15.0
544	05/01/91	24143	100	A.E.Wolfe	Southeast	15.0
545	05/01/91	24142	635/659	A.E.Wolfe	Southeast	15.0
546	05/02/91	24141	653	A.E.Wolfe	Southeast	15.0
547	05/02/91	24140	652	A.E.Wolfe	Southeast	15.0
548	05/02/91	24139	100	A.E.Wolfe	Southeast	15.0
549	05/02/91	24138	107/207	A.E.Wolfe	Southeast	15.0
550	05/02/91	24137	635/659	A.E.Wolfe	Southeast	15.0
551	05/02/91	24136	NA	A.E.Wolfe	Southeast	15.0
552	05/02/91	24135	653	A.E.Wolfe	Southeast	15.0
553	05/02/91	24134	100	A.E.Wolfe	Southeast	15.0
554	05/02/91	24133	107	A.E.Wolfe	Southeast	15.0
555	05/02/91	24132	100	A.E.Wolfe	Southeast	15.0
556	05/02/91	24131	635/659	A.E.Wolfe	Southeast	15.0
557	05/02/91	24130	653	A.E.Wolfe	Southeast	15.0
558	05/02/91	24129	107/207	A.E.Wolfe	Southeast	15.0
559	05/02/91	24128	652	A.E.Wolfe	Southeast	15.0
560	05/02/91	24127	NA	A.E.Wolfe	Southeast	15.0
561	05/02/91	24126	100	A.E.Wolfe	Southeast	15.0
562	05/02/91	24125	653	A.E.Wolfe	Southeast	15.0
563	05/02/91	24124	107/207	A.E.Wolfe	Southeast	15.0
564	05/02/91	24123	652	A.E.Wolfe	Southeast	15.0
565	05/02/91	24122	NA	A.E.Wolfe	Southeast	15.0
566	05/02/91	24121	100	A.E.Wolfe	Southeast	15.0
567	05/02/91	24120	653	A.E.Wolfe	Southeast	15.0
568	05/02/91	24119	107/207	A.E.Wolfe	Southeast	15.0
569	05/02/91	24118	652	A.E.Wolfe	Southeast	15.0
570	05/02/91	24117	635/659	A.E.Wolfe	Southeast	15.0
571	05/02/91	24116	NA	A.E.Wolfe	Southeast	15.0
572	05/02/91	24115	653	A.E.Wolfe	Southeast	15.0
573	05/02/91	24114	107/207	A.E.Wolfe	Southeast	15.0
574	05/02/91	24113	652	A.E.Wolfe	Southeast	15.0
575	05/02/91	24112	653	A.E.Wolfe	Southeast	15.0
576	05/02/91	24111	107/207	A.E.Wolfe	Southeast	15.0

TABLE D-2 (CONTINUED)

LOAD NO.	DATE	SHIPPER'S NO.	CARRIER'S NO.	SHIPPING COMPANY	DISPOSAL SITE	VOLUME SHIPPED (cu yds)
577	05/02/91	24110	NA	A.E.Wolfe	Southeast	15.0
578	05/02/91	24109	635/659	A.E.Wolfe	Southeast	15.0
579	05/02/91	24108	655	A.E.Wolfe	Southeast	15.0
580	05/02/91	24107	653	A.E.Wolfe	Southeast	15.0
581	05/02/91	24106	NA	A.E.Wolfe	Southeast	15.0
582	05/02/91	24105	107/207	A.E.Wolfe	Southeast	15.0
583	05/02/91	24104	635/659	A.E.Wolfe	Southeast	15.0
584	05/03/91	24103	101	A.E.Wolfe	Southeast	15.0
585	05/03/91	24102	107/207	A.E.Wolfe	Southeast	15.0
586	05/03/91	24101	655	A.E.Wolfe	Southeast	15.0
587	05/03/91	24100	652	A.E.Wolfe	Southeast	15.0
588	05/03/91	24099	NA	A.E.Wolfe	Southeast	15.0
589	05/03/91	24098	101	A.E.Wolfe	Southeast	15.0
590	05/03/91	24097	NA	A.E.Wolfe	Southeast	15.0
591	05/03/91	24096	652	A.E.Wolfe	Southeast	15.0
592	05/03/91	24095	NA	A.E.Wolfe	Southeast	15.0
593	05/03/91	24094	NA	A.E.Wolfe	Southeast	15.0
594	05/03/91	24093	101	A.E.Wolfe	Southeast	15.0
595	05/03/91	24092	107/207	A.E.Wolfe	Southeast	15.0
596	05/03/91	24091	652	A.E.Wolfe	Southeast	15.0
597	05/03/91	24090	655	A.E.Wolfe	Southeast	15.0
598	05/03/91	24089	NA	A.E.Wolfe	Southeast	15.0
599	05/03/91	24088	101	A.E.Wolfe	Southeast	15.0
600	05/03/91	24087	107/207	A.E.Wolfe	Southeast	15.0
601	05/03/91	24086	652	A.E.Wolfe	Southeast	15.0
602	05/03/91	24085	655	A.E.Wolfe	Southeast	15.0
603	05/03/91	24084	653	A.E.Wolfe	Southeast	15.0
604	05/03/91	24083	107/207	A.E.Wolfe	Southeast	15.0
605	05/03/91	24082	652	A.E.Wolfe	Southeast	15.0
606	05/03/91	24081	655	A.E.Wolfe	Southeast	15.0
607	05/03/91	24080	101	A.E.Wolfe	Southeast	15.0
608	05/03/91	24079	101	A.E.Wolfe	Southeast	15.0
609	05/03/91	24078	107/207	A.E.Wolfe	Southeast	15.0
610	05/03/91	24077	653	A.E.Wolfe	Southeast	15.0
611	05/03/91	24076	655	A.E.Wolfe	Southeast	15.0
612	05/03/91	24075	652	A.E.Wolfe	Southeast	15.0
613	05/03/91	24074	101	A.E.Wolfe	Southeast	15.0
614	05/03/91	24073	107/207	A.E.Wolfe	Southeast	15.0
615	05/03/91	24072	655	A.E.Wolfe	Southeast	15.0
616	05/03/91	24071	652	A.E.Wolfe	Southeast	15.0
617	05/03/91	24070	NA	A.E.Wolfe	Southeast	15.0
618	05/03/91	24069	101	A.E.Wolfe	Southeast	15.0
619	05/03/91	24068	107/207	A.E.Wolfe	Southeast	15.0
620	05/03/91	24067	655	A.E.Wolfe	Southeast	15.0
621	05/03/91	24066	652	A.E.Wolfe	Southeast	15.0

TABLE D-2 (CONTINUED)

LOAD NO.	DATE	SHIPPER'S NO.	CARRIER'S NO.	SHIPPING COMPANY	DISPOSAL SITE	VOLUME SHIPPED (cu yds)
622	05/03/91	24065	101	A.E.Wolfe	Southeast	15.0
623	05/03/91	24063	107/207	A.E.Wolfe	Southeast	15.0
624	05/03/91	24062	655	A.E.Wolfe	Southeast	15.0
625	05/03/91	24061	652	A.E.Wolfe	Southeast	15.0
626	05/03/91	24060	101	A.E.Wolfe	Southeast	15.0
627	05/03/91	24059	107/207	A.E.Wolfe	Southeast	15.0
628	05/04/91	24058	653	A.E.Wolfe	Southeast	15.0
629	05/04/91	24057	652	A.E.Wolfe	Southeast	15.0
630	05/04/91	24056	635/770	A.E.Wolfe	Southeast	15.0
631	05/04/91	24055	101	A.E.Wolfe	Southeast	15.0
632	05/04/91	24054	107/207	A.E.Wolfe	Southeast	15.0
633	05/06/91	24053	107/207	A.E.Wolfe	Southeast	15.0
634	05/06/91	24052	NA	A.E.Wolfe	Southeast	15.0
635	05/06/91	24051	112	A.E.Wolfe	Southeast	15.0
636	05/06/91	24050	107/207	A.E.Wolfe	Southeast	15.0
637	05/06/91	24049	653	A.E.Wolfe	Southeast	15.0
638	05/06/91	24048	655	A.E.Wolfe	Southeast	15.0
639	05/06/91	24047	652	A.E.Wolfe	Southeast	15.0
640	05/06/91	24046	NA	A.E.Wolfe	Southeast	15.0
641	05/06/91	24045	100	A.E.Wolfe	Southeast	15.0
642	05/06/91	24044	112	A.E.Wolfe	Southeast	15.0
643	05/06/91	24043	107/207	A.E.Wolfe	Southeast	15.0
644	05/06/91	24042	655	A.E.Wolfe	Southeast	15.0
645	05/06/91	24041	652	A.E.Wolfe	Southeast	15.0
646	05/06/91	24040	NA	A.E.Wolfe	Southeast	15.0
647	05/06/91	24039	100	A.E.Wolfe	Southeast	15.0
648	05/06/91	24038	112	A.E.Wolfe	Southeast	15.0
649	05/06/91	24037	107/207	A.E.Wolfe	Southeast	15.0
650	05/06/91	24036	653	A.E.Wolfe	Southeast	15.0
651	05/06/91	24035	655	A.E.Wolfe	Southeast	15.0
652	05/06/91	24034	652	A.E.Wolfe	Southeast	15.0
653	05/06/91	24033	NA	A.E.Wolfe	Southeast	15.0
654	05/06/91	24032	107/207	A.E.Wolfe	Southeast	15.0
655	05/06/91	24031	653	A.E.Wolfe	Southeast	15.0
656	05/06/91	24030	652	A.E.Wolfe	Southeast	15.0
657	05/06/91	24029	NA	A.E.Wolfe	Southeast	15.0
658	05/06/91	24028	107/207	A.E.Wolfe	Southeast	15.0
659	05/06/91	24027	652	A.E.Wolfe	Southeast	15.0
660	05/06/91	24026	NA	A.E.Wolfe	Southeast	15.0
661	05/06/91	24025	653	A.E.Wolfe	Southeast	15.0
662	05/06/91	24024	635/770	A.E.Wolfe	Southeast	15.0
663	05/06/91	24023	112	A.E.Wolfe	Southeast	15.0
664	05/06/91	24022	107/207	A.E.Wolfe	Southeast	15.0
665	05/06/91	24021	652	A.E.Wolfe	Southeast	15.0
666	05/06/91	24020	NA	A.E.Wolfe	Southeast	15.0

TABLE D-2 (CONTINUED)

LOAD NO.	DATE	SHIPPER'S NO.	CARRIER'S NO.	SHIPPING COMPANY	DISPOSAL SITE	VOLUME SHIPPED (cu yds)
667	05/06/91	24019	107/207	A.E.Wolfe	Southeast	15.0
668	05/06/91	24018	635/770	A.E.Wolfe	Southeast	15.0
669	05/06/91	24017	652	A.E.Wolfe	Southeast	15.0
670	05/06/91	24016	NA	A.E.Wolfe	Southeast	15.0
671	05/06/91	24015	653	A.E.Wolfe	Southeast	15.0
672	05/06/91	24014	107/207	A.E.Wolfe	Southeast	15.0
673	05/06/91	24013	635/770	A.E.Wolfe	Southeast	15.0
674	05/06/91	24012	652	A.E.Wolfe	Southeast	15.0
675	05/06/91	24011	653	A.E.Wolfe	Southeast	15.0
676	05/06/91	24010	NA	A.E.Wolfe	Southeast	15.0
677	05/06/91	24009	107/207	A.E.Wolfe	Southeast	15.0
678	05/06/91	24008	655	A.E.Wolfe	Southeast	15.0
679	05/07/91	24007	117	A.E.Wolfe	Southeast	15.0
680	05/07/91	24006	635/770	A.E.Wolfe	Southeast	15.0
681	05/07/91	24005	100	A.E.Wolfe	Southeast	15.0
682	05/07/91	24004	107/207	A.E.Wolfe	Southeast	15.0
683	05/07/91	24003	117	A.E.Wolfe	Southeast	15.0
684	05/07/91	24002	635/770	A.E.Wolfe	Southeast	15.0
685	05/07/91	23900	12	A.E.Wolfe	Southeast	15.0
686	05/07/91	23899	100	A.E.Wolfe	Southeast	15.0
687	05/07/91	23898	107/207	A.E.Wolfe	Southeast	15.0
688	05/07/91	23897	652	A.E.Wolfe	Southeast	15.0
689	05/07/91	23896	117	A.E.Wolfe	Southeast	15.0
690	05/07/91	23895	635/770	A.E.Wolfe	Southeast	15.0
691	05/07/91	23894	100	A.E.Wolfe	Southeast	15.0
692	05/07/91	23893	107/207	A.E.Wolfe	Southeast	15.0
693	05/07/91	23892	NA	A.E.Wolfe	Southeast	15.0
694	05/07/91	23891	652	A.E.Wolfe	Southeast	15.0
695	05/07/91	23890	117	A.E.Wolfe	Southeast	15.0
696	05/07/91	23889	635/770	A.E.Wolfe	Southeast	15.0
697	05/07/91	23888	107/207	A.E.Wolfe	Southeast	15.0
698	05/07/91	23887	NA	A.E.Wolfe	Southeast	15.0
699	05/07/91	23886	652	A.E.Wolfe	Southeast	15.0
700	05/07/91	23885	117	A.E.Wolfe	Southeast	15.0
701	05/07/91	23884	635/770	A.E.Wolfe	Southeast	15.0
702	05/07/91	23883	100	A.E.Wolfe	Southeast	15.0
703	05/07/91	23882	107/207	A.E.Wolfe	Southeast	15.0
704	05/07/91	23881	NA	A.E.Wolfe	Southeast	15.0
705	06/07/91	NA	655	A.E.Wolfe	Southeast	4.0
706	06/07/91	NA	653	A.E.Wolfe	Southeast	3.0
					TOTAL	10,687

NOTES:
(1) NA indicates shipper's number not available.

TABLE D-3

METAL SCRAP HAULED OFF-SITE

DATE	NET WEIGHT		DATE	NET WEIGHT		DATE	NET WEIGHT
10/22/90	92,000		01/21/91	44,680		03/04/91	52,600
10/29/90	71,780		01/21/91	47,150		03/12/91	46,200
11/09/90	53,840		01/22/91	47,700		03/12/91	45,160
11/12/90	57,040		01/22/91	37,940		03/12/91	36,820
11/14/90	88,380		02/04/91	45,540		03/12/91	47,380
11/14/90	63,480		02/05/91	59,920		03/12/91	48,900
11/14/90	54,780		02/05/91	54,020		03/12/91	43,660
11/19/90	59,540		02/05/91	45,960		03/12/91	49,360
11/19/90	60,460		02/06/91	49,360		03/12/91	45,100
11/19/90	58,600		02/08/91	51,640		03/15/91	56,520
11/19/90	71,980		02/08/91	54,040		03/18/91	53,800
11/29/90	55,700		02/08/91	59,360		03/18/91	54,960
11/30/90	59,900		02/08/91	56,060		03/18/91	49,860
12/03/90	45,720		02/08/91	61,500		03/22/91	56,960
12/03/90	52,500		02/08/91	63,640		04/05/91	53,420
12/03/90	60,840		02/08/91	57,380		04/05/91	59,720
12/03/90	57,180		02/08/91	54,020		04/05/91	48,700
12/04/90	60,520		02/08/91	60,540		04/05/91	45,240
12/04/90	59,320		02/08/91	60,200		04/05/91	50,900
12/04/90	54,820		02/22/91	46,540		04/08/91	47,490
12/04/90	63,200		02/22/91	57,380		04/08/91	59,240
12/04/90	63,620		02/22/91	48,080		04/08/91	64,100
12/05/90	58,160		02/22/91	50,980		04/08/91	54,480
12/06/90	69,980		02/22/91	38,220		04/08/91	61,500
12/06/90	57,740		02/22/91	51,880		04/08/91	59,540
12/07/90	62,660		02/22/91	55,620		04/08/91	60,580
12/10/90	55,860		02/22/91	51,500		04/08/91	59,980
12/10/90	58,340		02/22/91	46,520		04/08/91	56,760
12/10/90	58,920		02/22/91	46,760		04/08/91	55,240
12/10/90	61,120		02/25/91	55,520		04/08/91	60,180
12/10/90	50,520		02/25/91	55,100		04/08/91	57,740
12/11/90	49,180		02/25/91	50,720		04/09/91	74,920
12/14/90	65,420		02/25/91	49,780		04/09/91	67,680
12/14/90	59,660		02/25/91	58,560		04/09/91	65,460
12/19/90	45,980		02/25/91	53,020		04/09/91	53,060
12/19/90	59,140		02/26/91	44,300		04/09/91	61,660
01/17/91	37,950		02/26/91	46,060		04/09/91	56,740
01/17/91	33,580		02/28/91	55,820		04/09/91	50,040
01/17/91	36,140		02/28/91	51,680		04/09/91	61,460
01/18/91	48,280		02/28/91	55,080		04/09/91	66,200
01/18/91	53,500		03/01/91	40,540		04/09/91	71,100
01/18/91	38,720		03/04/91	55,820		04/09/91	63,920
01/18/91	47,500		03/04/91	50,100		04/10/91	59,820

TABLE D-3
(CONTINUED)

DATE	NET WEIGHT		DATE	NET WEIGHT		DATE	NET WEIGHT
04/10/91	65,720						
04/10/91	64,520						
04/10/91	60,020						
04/10/91	43,080						
04/10/91	36,800						
04/12/91	41,860						
04/12/91	46,240						
04/12/91	45,920						
04/12/91	41,040						
04/12/91	63,160						
04/12/91	52,400						
04/12/91	56,340						
04/12/91	49,160						
04/15/91	56,920						
04/15/91	63,360						
04/15/91	61,020						
04/15/91	67,340						
04/15/91	68,440						
04/15/91	67,090						
04/15/91	72,700						
04/15/91	52,280						
04/15/91	62,260						
04/15/91	65,220						
04/15/91	43,680						
04/15/91	41,840						
04/15/91	65,220						
04/17/91	43,680						
04/17/91	41,840						
04/17/91	65,560						
04/17/91	60,680						
04/23/91	47,360						
04/23/91	48,460						
04/23/91	49,520						
04/23/91	51,840						
					TOTAL	8956500	LBS.
						4,478	TONS

APPENDIX F

POST-CONSTRUCTION TOPOGRAPHIC MAP

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